

# IR Series

Helical geared motors

Helisel Dişli Redüktörler










REDÜKTÖR VARYATÖR / GEARBOX & VARIATOR

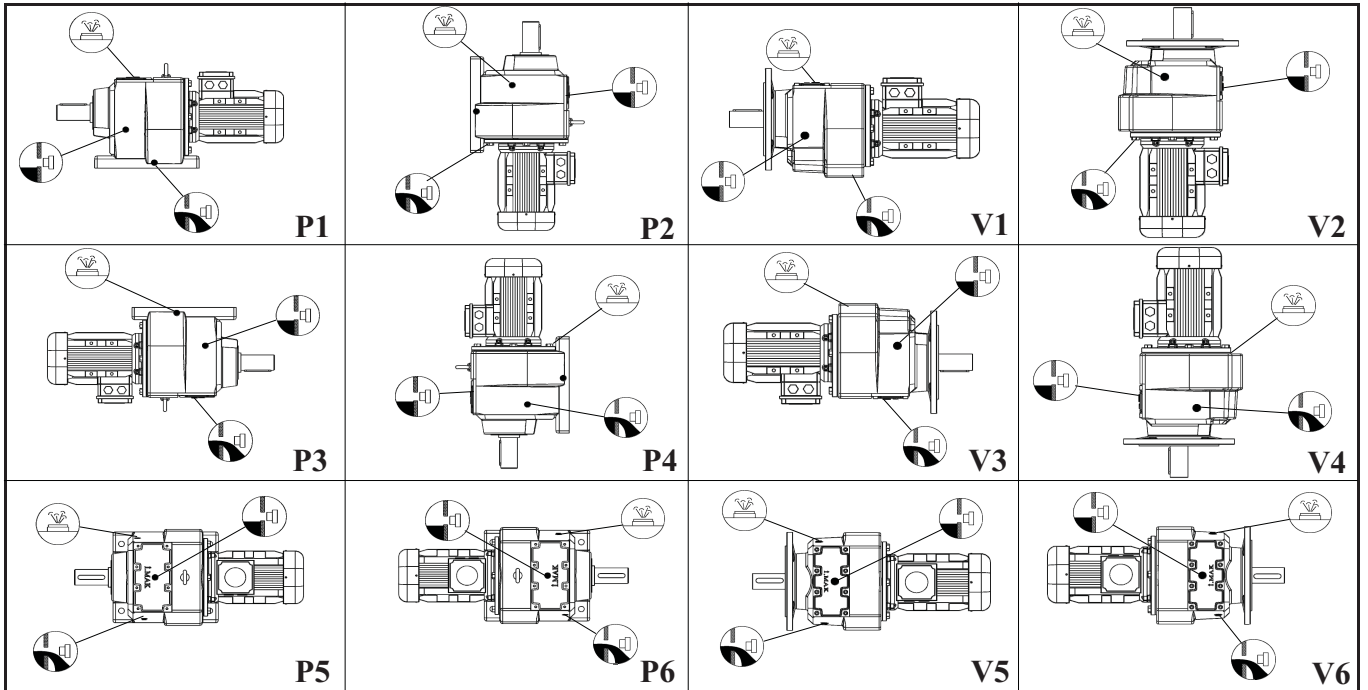



**Yağ Tablosu**

**Lubricant Table**


*Schmiere Tabelle*

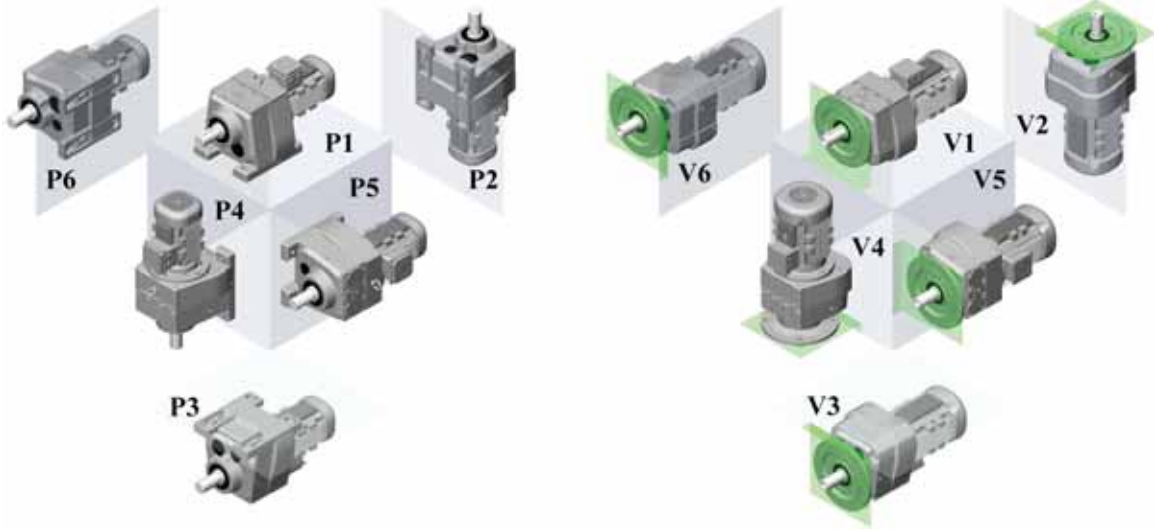
Yağ Cinsi Lubricant Art des Schmierstoffes	ISO Viskozite Sınıfı Viscosity Class Viskozitäts Klasse	DIN 51517-3	Kullanım Sıcaklığı Usage Temperature Gebrauchs Temperatur	Firma Firm Firma						
										
<b>Mineral Yağ</b> Mineral Oil Minerallöl	ISO VG 320	CLP	0.....+100	Mobilgear XMP 320	Degol BG 320	Energol GR-XP320	Omala F320	Alpha SP 320	GEM 1 320 N	Spartan EP 320
	ISO VG 220	CLP	-5.....+100	Mobilgear XMP 220	Degol BG 220	Energol GR-XP220	Omala F220	Alpha SP 220	GEM 1 220 N	Spartan EP 220
	ISO VG 150	CLP	-5.....+100	Mobilgear XMP 150	Degol BG 150	Energol GR-XP150	Omala 150	Alpha SP 150	GEM 1 150 N	Spartan EP 150
	ISO VG 100	CLP	-5.....+100	-	Degol BG 100	Energol GR-XP100	Omala 100	Alpha SP 100	GEM 1 100 N	Spartan EP 100
<b>Sentetik Yağ</b> Synthetic Oil Synthetisch Öl	ISO VG 320	CLP PG	-25.....+140	Gylgoyle 320	Degol GS 320	Enersyn SG-XP320	Tivela S 320	Alphasyn PG 320	Klübersynth GH 6-320	Glycolube 320
	ISO VG 220	CLP PG	-25.....+140	-	Degol GS 220	Enersyn SG-XP220	Tivela S 220	Alphasyn PG 220	Klübersynth GH 6-220	-
	ISO VG 150	CLP PG	-30.....+140	-	Degol GS 150	Enersyn SG-XP150	Tivela S 150	Alphasyn PG 150	Klübersynth GH 6-150	-
	ISO VG 100	CLP PG	-30.....+140	-	-	-	-	-	Klübersynth GH 6-100	-



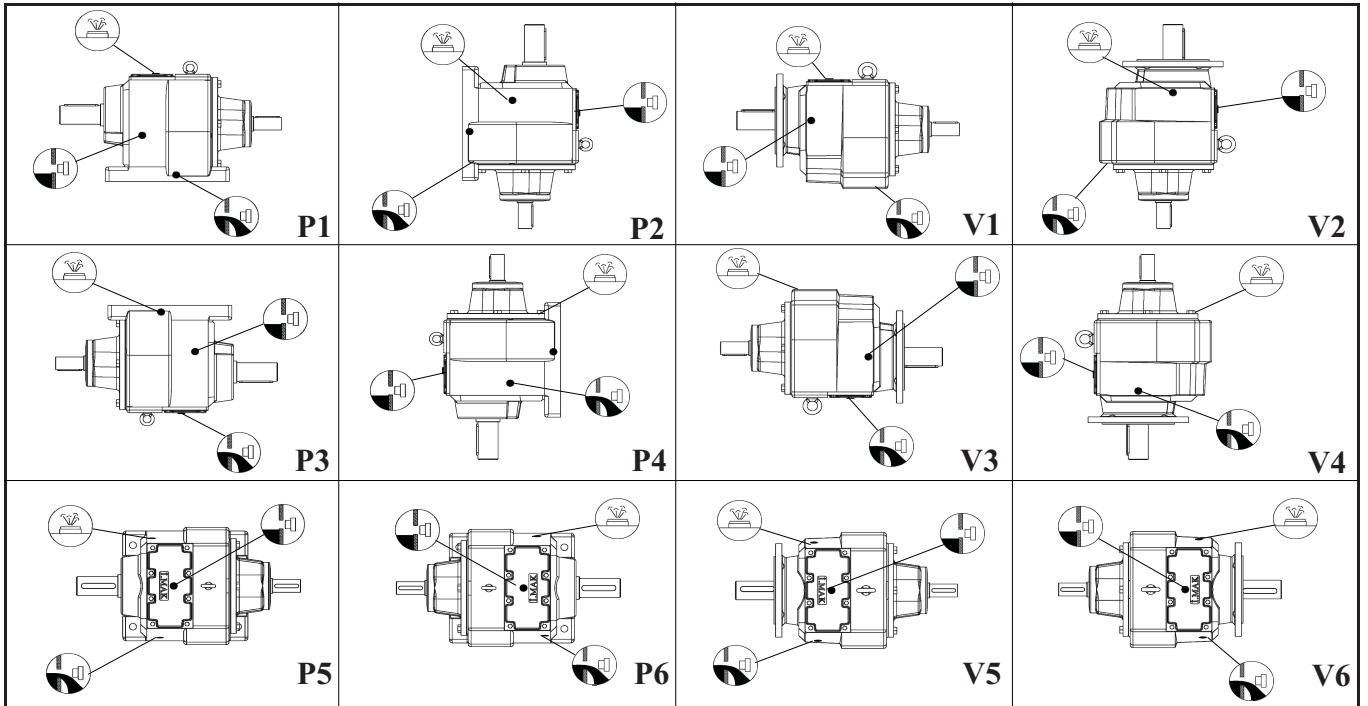
 **Yağ Doldurma**  
Vent Plug  
Entlüftung

 **Yağ Seviye Tespit**  
Oil Level  
Ölstand

 **Yağ Boşaltma**  
Drain Plug  
Ölablab



TİP Type Typ	Bağlantı Pozisyonları için Yağ Miktarları ( litre ) Oil Quantities for Mounting Positions ( liter ) Ölmengen Tabellen für Bauformen ( liter )											
	P1	V1	P5	P6	V5	V6	P3	V3	P2	P4	V2	V4
İR_M 42 / 43	0,4 / 0,35		0,5 / 0,45			0,5 / 0,45		0,7 / 0,65				
İR_M 52 / 53	0,8 / 0,75		0,8 / 0,75			0,8 / 0,75		1,2 / 1,15				
İR_M 621 / 631	1,25 / 1,1		1,25 / 1,1			1,25 / 1,1		1,8 / 1,65				
İR_M 62 / 63	1,25 / 1,1		1,25 / 1,1			1,25 / 1,1		1,8 / 1,65				
İR_M 721 / 731	2,2 / 2		2,2 / 2			2,2 / 2		2,7 / 2,5				
İR_M 72 / 73	2,5 / 2,3		2,5 / 2,3			2,5 / 2,3		3 / 2,8				
İR_M 82 / 83	5,5 / 5		5,5 / 5			5,5 / 5		7,5 / 7				
İR_M 92 / 93	9 / 8		9 / 8			9 / 8		11 / 10				
İR_M 102/103	14 / 13		14 / 13			14 / 13		17 / 16				
İR_M 122/123	28 / 30		28 / 30			28 / 30		33 / 35				



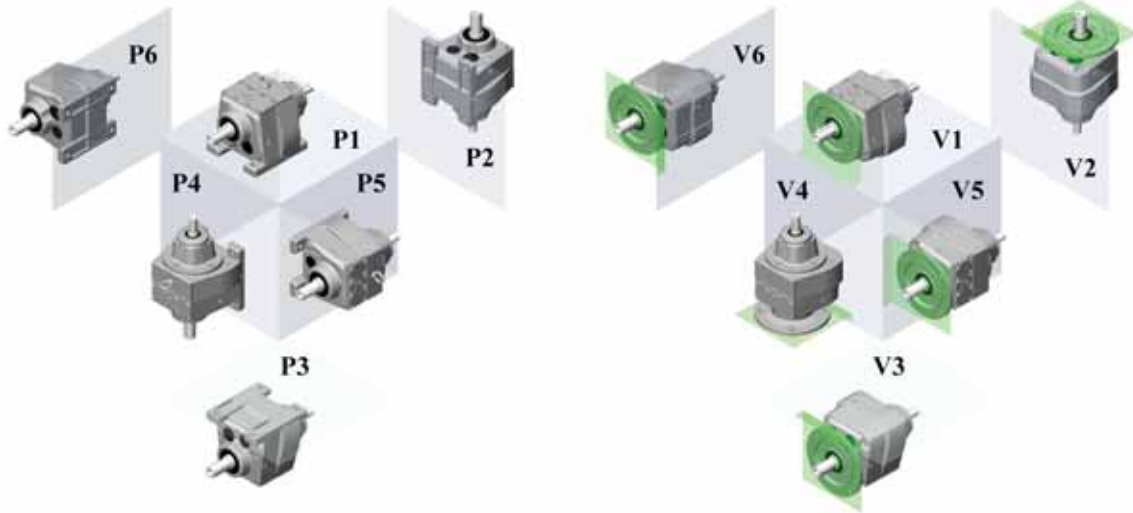
**Yağ Doldurma**  
Vent Plug  
Entlüftung



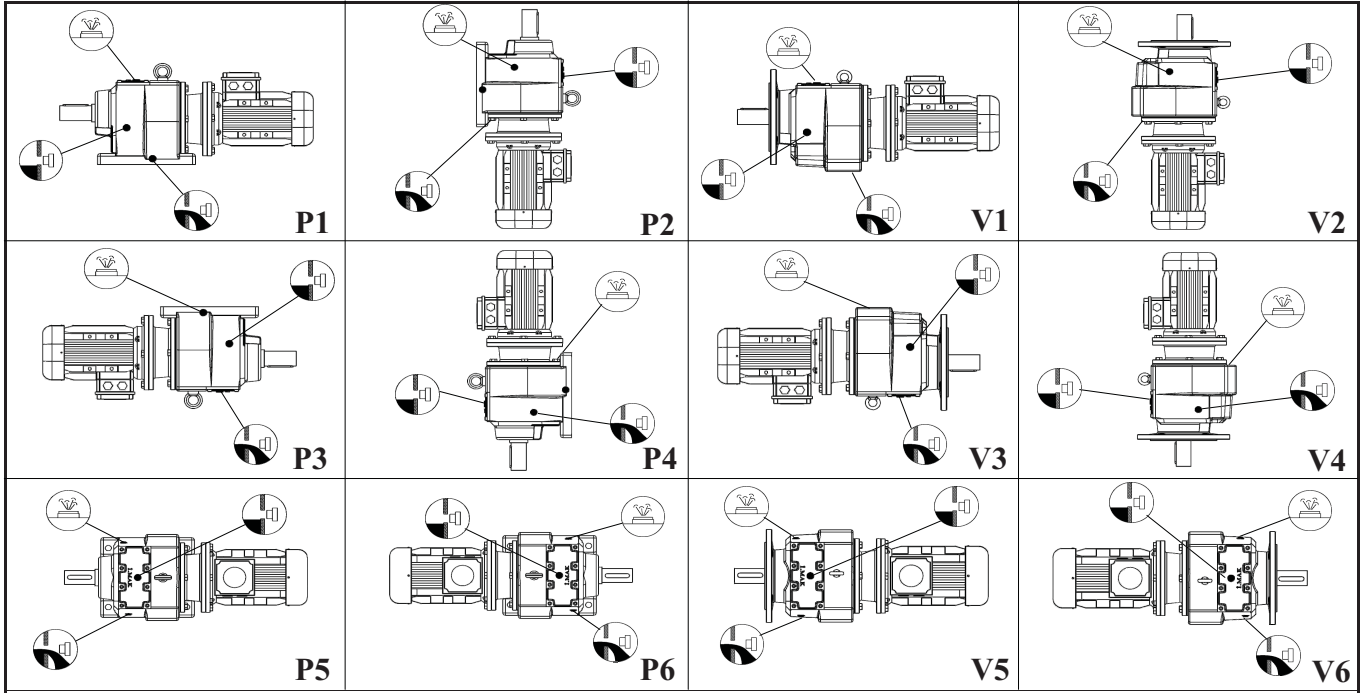
**Yağ Seviye Tespit**  
Oil Level  
Ölstand




**Yağ Boşaltma**  
Drain Plug  
Ölablab




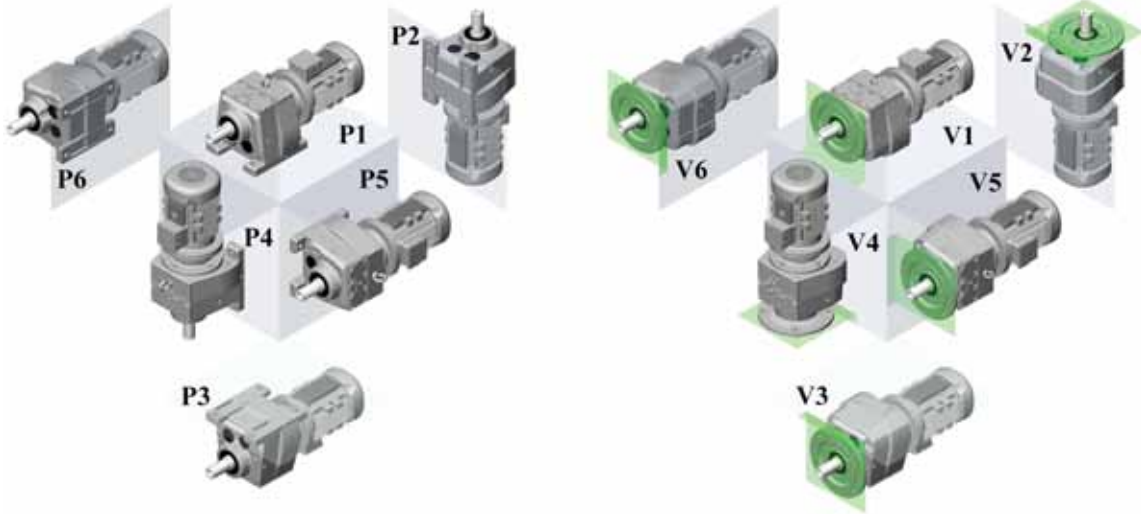
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İR_ 52 / 53	0,8 / 0,75			0,8 / 0,75			0,8 / 0,75				1,2 / 1,15	
İR_ 621 / 631	1,25 / 1,1			1,25 / 1,1			1,25 / 1,1				1,8 / 1,65	
İR_ 62 / 63	1,25 / 1,1			1,25 / 1,1			1,25 / 1,1				1,8 / 1,65	
İR_ 721 / 731	2,2 / 2			2,2 / 2			2,2 / 2				2,7 / 2,5	
İR_ 72 / 73	2,5 / 2,3			2,5 / 2,3			2,5 / 2,3				3 / 2,8	
İR_ 82 / 83	5,5 / 5			5,5 / 5			5,5 / 5				7,5 / 7	
İR_ 92 / 93	9 / 8			9 / 8			9 / 8				11 / 10	
İR_ 102 / 103	14 / 13			14 / 13			14 / 13				17 / 16	
İR_ 122 / 123	28 / 30			28 / 30			28 / 50				33 / 35	



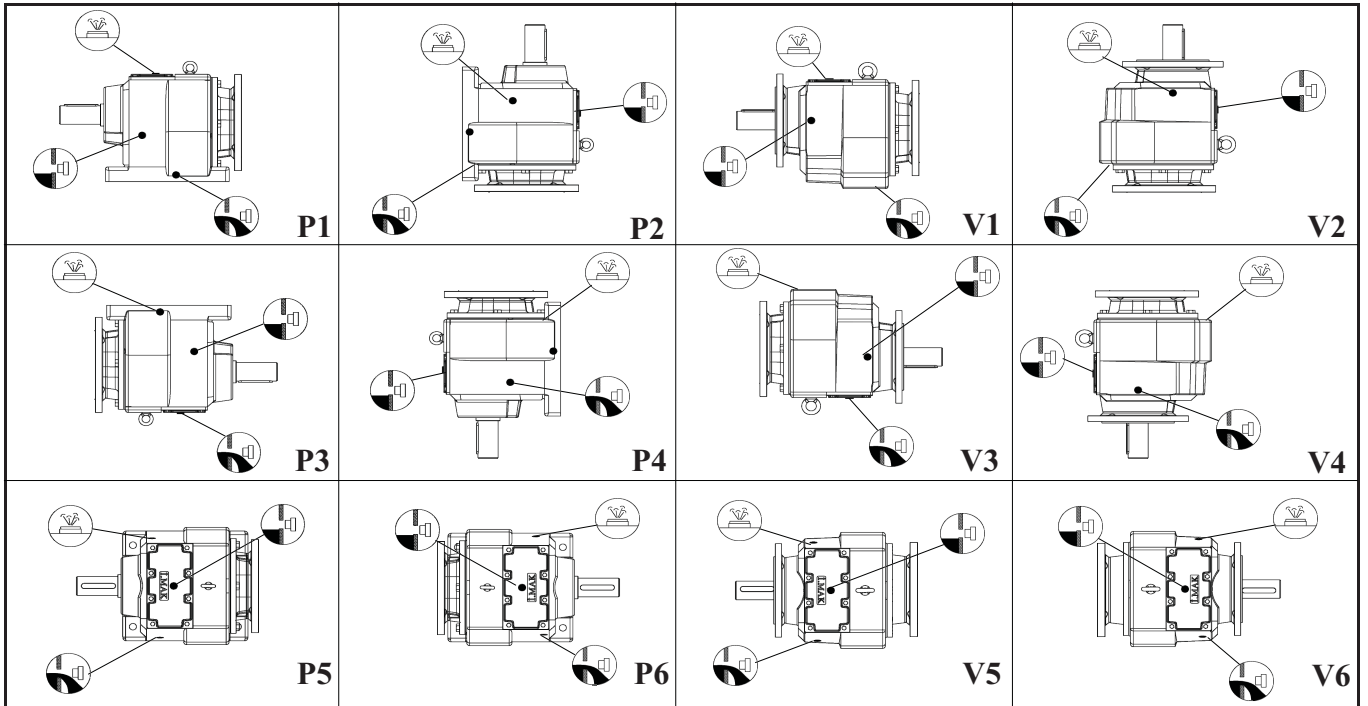
 **Yağ Doldurma**  
Vent Plug  
Entlüftung

 **Yağ Seviye Tespit**  
Oil Level  
Ölstand

 **Yağ Boşaltma**  
Drain Plug  
Ölablab



TİP Type Typ	Bağlantı Pozisyonları için Yağ Miktarları ( litre ) Oil Quantities for Mounting Positions ( liter ) Ölmengen Tabellen für Bauformen ( liter )											
	P1	V1	P5	P6	V5	V6	P3	V3	P2	P4	V2	V4
İR_PM 42 / 43	0,4 / 0,35			0,5 / 0,45			0,5 / 0,45				0,7 / 0,65	
İR_PM 52 / 53	0,8 / 0,75			0,8 / 0,75			0,8 / 0,75				1,2 / 1,15	
İR_PM 621 / 631	1,25 / 1,1			1,25 / 1,1			1,25 / 1,1				1,8 / 1,65	
İR_PM 62 / 63	1,25 / 1,1			1,25 / 1,1			1,25 / 1,1				1,8 / 1,65	
İR_PM 721 / 731	2,2 / 2			2,2 / 2			2,2 / 2				2,7 / 2,5	
İR_PM 72 / 73	2,5 / 2,3			2,5 / 2,3			2,5 / 2,3				3 / 2,8	
İR_PM 82 / 83	5,5 / 5			5,5 / 5			5,5 / 5				7,5 / 7	
İR_PM 92 / 93	9 / 8			9 / 8			9 / 8				11 / 10	
İR_PM 102 / 103	14 / 13			14 / 13			14 / 13				17 / 16	
İR_PM 122 / 123	28 / 30			28 / 30			28 / 30				33 / 35	



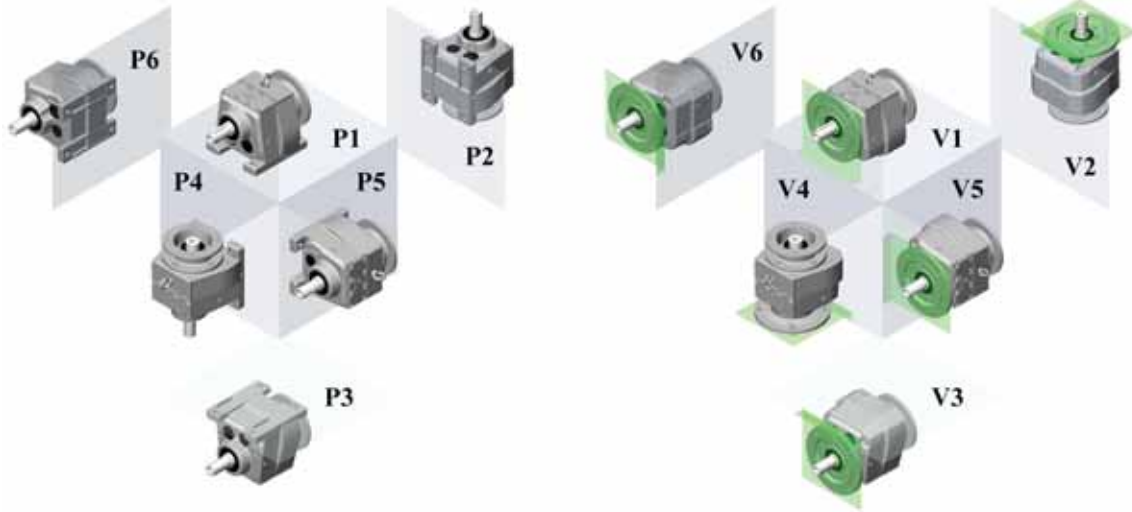
**Yağ Doldurma**  
Vent Plug  
Entlüftung



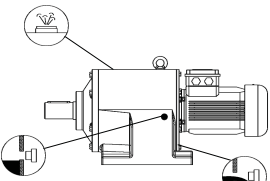
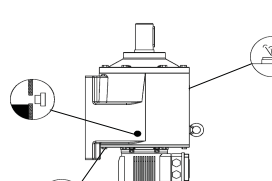
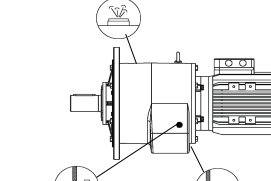
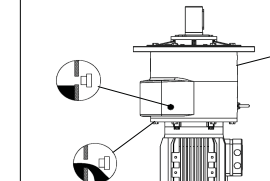
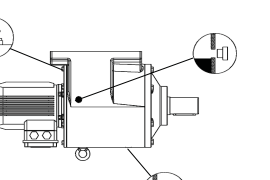
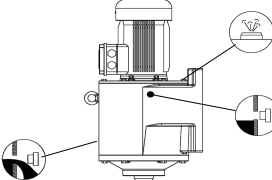
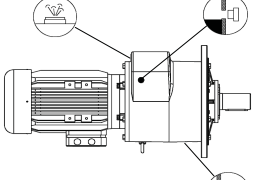
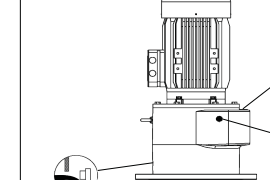
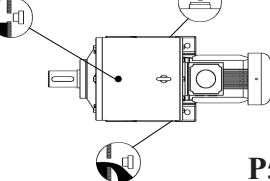
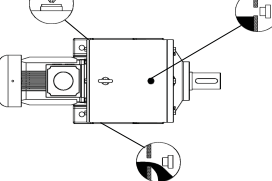
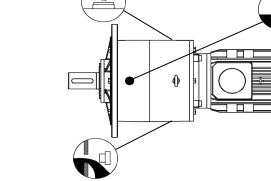
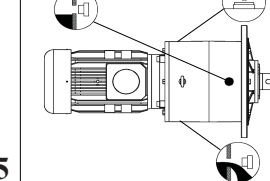



**Yağ Seviye Tespit**  
Oil Level  
Ölstand

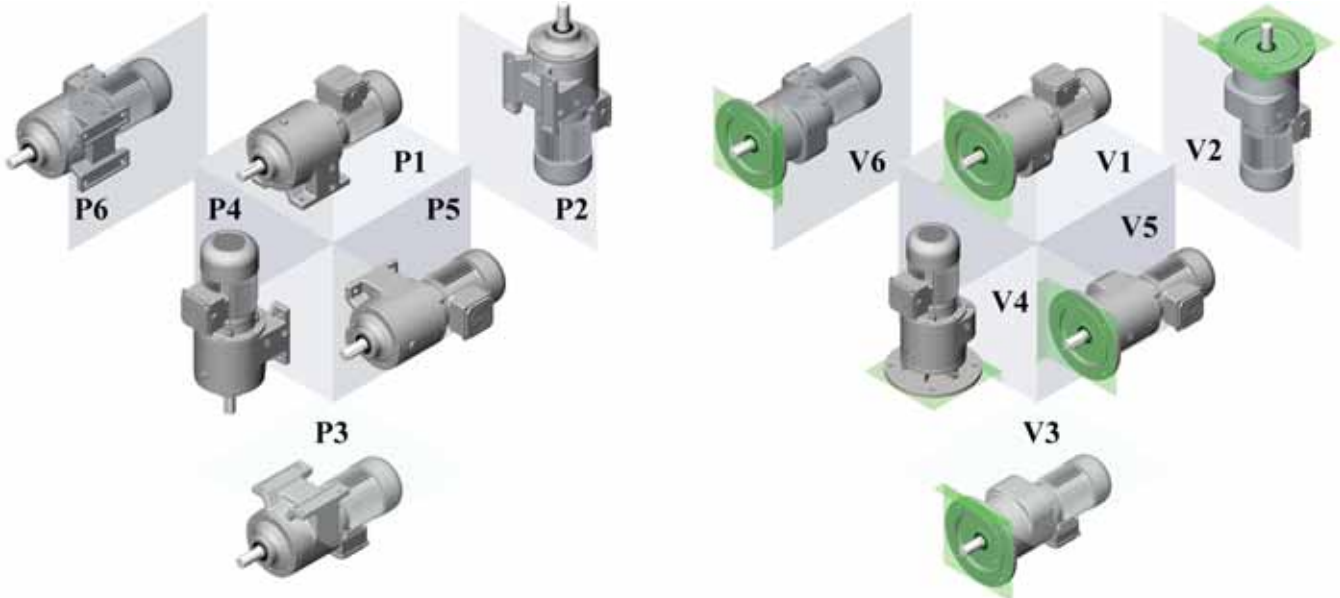


**Yağ Boşaltma**  
Drain Plug  
Ölablab

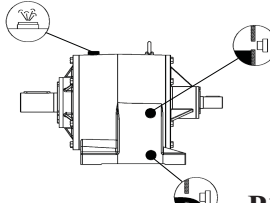
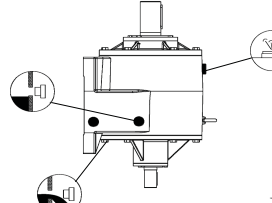
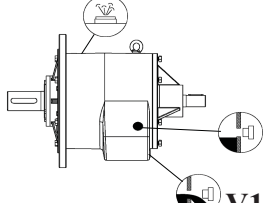
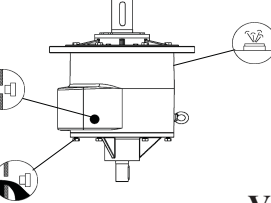
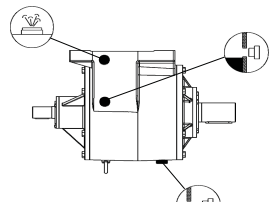
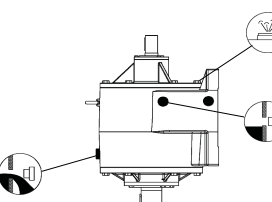
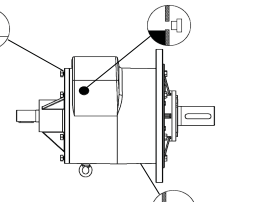
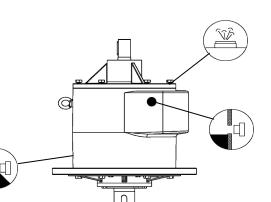
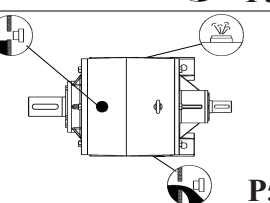
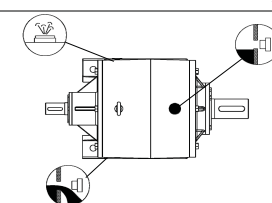
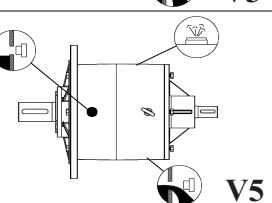
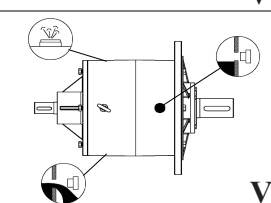





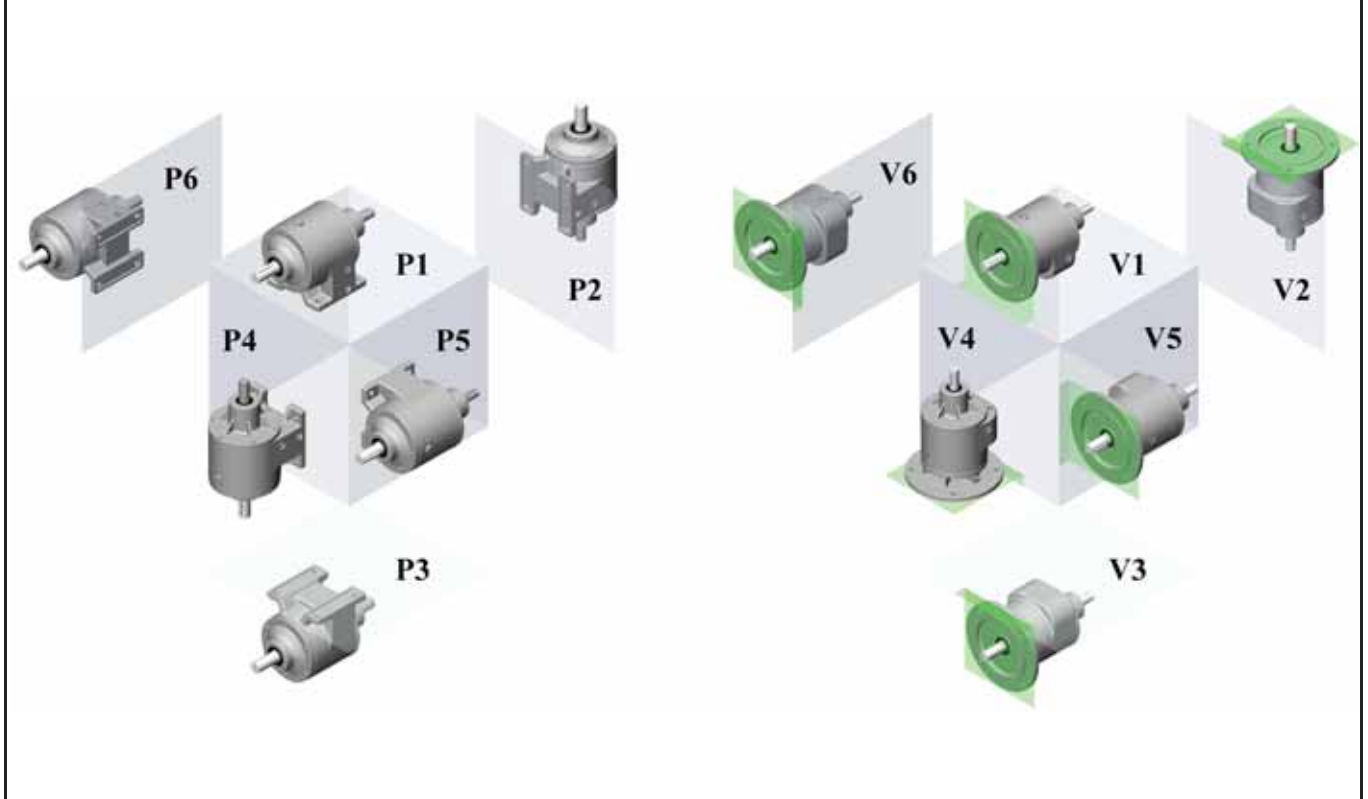
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İR_P 52 / 53	0,8 / 0,75		0,8 / 0,75			0,8 / 0,75		1,2 / 1,15				
İR_P 621 / 631	1,25 / 1,1		1,25 / 1,1			1,25 / 1,1		1,8 / 1,65				
İR_P 62 / 63	1,25 / 1,1		1,25 / 1,1			1,25 / 1,1		1,8 / 1,65				
İR_P 721 / 731	2,2 / 2		2,2 / 2			2,2 / 2		2,7 / 2,5				
İR_P 72 / 73	2,5 / 2,3		2,5 / 2,3			2,5 / 2,3		3 / 2,8				
İR_P 82 / 83	5,5 / 5		5,5 / 5			5,5 / 5		7,5 / 7				
İR_P 92 / 93	9 / 8		9 / 8			9 / 8		11 / 10				
İR_P 102 / 103	14 / 13		14 / 13			14 / 13		17 / 16				
İR_P 122 / 123	28 / 30		28 / 30			28 / 30		33 / 35				

 <b>P1</b>	 <b>P2</b>	 <b>V1</b>	 <b>V2</b>
 <b>P3</b>	 <b>P4</b>	 <b>V3</b>	 <b>V4</b>
 <b>P5</b>	 <b>P6</b>	 <b>V5</b>	 <b>V6</b>
 <b>Yağ Doldurma</b> Vent Plug Entlüftung	 <b>Yağ Seviye Tespit</b> Oil Level Ölstand	 <b>Yağ Boşaltma</b> Drain Plug Ötblab	



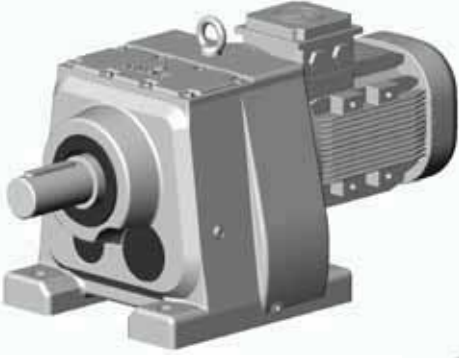
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İR_M 151	28			24			20				51	
İR_M 181	90			100			100				120	

			
			
			
 <b>Yağ Doldurma</b> Vent Plug Entlüftung	 <b>Yağ Seviye Tespit</b> Oil Level Ölstand	 <b>Yağ Boşaltma</b> Drain Plug Ötblab	

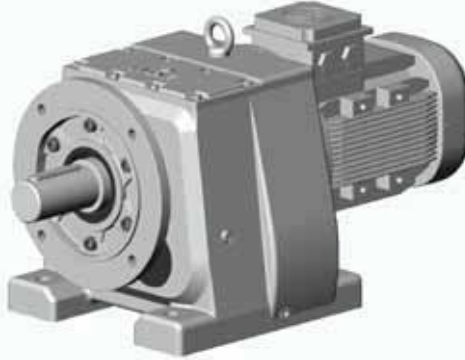


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İR_151	28			24			20				51	
İR_181	90			100			100				120	





**İRAM ...**



**İRAFMM ...**



**İRAM ... - ...**



**İRFM ...**



**İRFM ... - ...**



**İRAM ... - ...**



P <sub>1</sub>	n <sub>2</sub>	i	S <sub>f</sub>	M <sub>2</sub>	F <sub>Qv2</sub>	Tip				
GÜÇ	Çıkış Devri	Tahvil	Servis Faktörü	Çıkış Momenti	Rad. Yük	Type	Typ			
Power	Output Speeds	Ratio	Service Factor	Output Torque	Over Loads					
Leistung	Abtriebswelle Drehzahlen	Übersetzung	Betriebsfaktor	Abtriebswelle Drehmomente	Querkräfte					
[kW] Hp	[r.p.m]			[Nm]	[N]			kg		
<b>0,12</b> 0,16	0,28	5008	0,84	3744	26000	<b>İRAM</b> <b>İRFM</b>	<b>93 İR 63 / 63 M 4a</b>	161	151	
	0,30	4673	0,90	3494	26000			162	161	
	0,31	4545	0,92	3398	26000					
	0,33	4241	0,99	3171	26000					
	0,34	4138	1,01	3094	26000					
	0,36	3861	1,09	2887	26000					
	0,37	3778	1,11	2824	26000					
	0,40	3525	1,19	2635	26000					
	0,41	3456	1,21	2584	26000					
	0,44	3168	1,32	2368	26000					
	0,47	2992	1,12	2271	26000					
	0,50	2792	1,20	2119	26000					
	0,53	2636	1,27	2001	26000					
	0,57	2460	1,36	1867	26000					
0,60	2343	1,43	1778	26000	<b>İRAM</b> <b>İRFM</b>	<b>92 İR 63 / 63 M 4a</b>	161	131		
0,64	2186	1,53	1659	26000			162	141		
0,67	2096	1,59	1591	26000						
0,72	1956	1,71	1485	26000						
0,74	1886	1,77	1431	26000						
0,80	1760	1,90	1336	26000						
0,88	1592	2,10	1208	26000						
0,99	1409	2,40	1069	26000						
1,06	1315	2,50	998	26000						
1,17	1201	2,80	912	26000						
1,28	1098	3,80	833	26000						
0,48	2930	0,90	2190	18000			<b>İRAM</b> <b>İRFM</b>	<b>83 İR 63 / 63 M 4a</b>	159	101
0,53	2659	0,99	1988	18000					160	106
0,63	2205	1,12	1648	18000						
0,70	2013	1,22	1505	18000						
0,76	1840	1,34	1376	18000						
0,79	1779	1,43	1350	18000	<b>İRAM</b> <b>İRFM</b>	<b>82 İR 63 / 63 M 4a</b>	159	111		
0,89	1580	1,61	1199	18000			160	116		
1,0	1418	1,69	1076	18000						
1,1	1278	1,88	970	18000						
1,2	1157	2,00	878	18000						
1,3	1050	2,20	797	18000						
1,4	984	2,00	747	18000						
1,6	887	2,40	673	18000						
1,7	803	2,60	609	18000						
2,1	663	3,00	503	18000						
2,3	604	3,20	458	18000						
1,0	1375	0,94	1044	12100	<b>İRAM</b> <b>İRFM</b>	<b>73 İR 52 / 63 M 4a</b>	157	50		
1,1	1223	1,05	928	12100			158	53		
1,3	1095	1,18	831	12100						
1,3	1079	1,19	819	12100						
1,4	966	1,33	733	12100						
1,6	894	1,44	679	12100						
1,7	801	1,44	608	12100						
1,8	789	1,44	599	12100						
2,0	702	1,84	533	12100						
2,0	697	1,85	529	12100						
2,2	627	2,00	476	12100						



P <sub>1</sub>	n <sub>2</sub>	i	S <sub>f</sub>	M <sub>2</sub>	F <sub>Qv2</sub>			Tip	
GÜÇ	Çıkış Devri	Tahvil	Servis Faktörü	Çıkış Momenti	Rad. Yük			Type	
Power	Output Speeds	Ratio	Service Factor	Output Torque	Over Loads			Typ	
Leistung	Abtriebswelle Drehzahlen	Übersetzung	Betriebsfaktor	Abtriebswelle Drehmomente	Querkräfte				
[kW] Hp	[r.p.m]			[Nm]	[N]				kg
<b>0,12</b> 0,16	2,5	563	2,30	427	12100				
	2,5	553	2,30	420	12100				
	2,6	535	2,30	406	12100				
	3,0	469	2,60	356	12100	<b>İRAM</b>	<b>73 İR 52 / 63 M 4a</b>	157	50
	3,3	419	2,90	318	12100			<b>İRFM</b>	158
	3,4	414	2,90	314	12100				
	3,7	376	3,20	285	12100				
	3,8	370	3,30	281	12100				
	1,5	921	0,78	699	10100				
	1,7	824	0,87	625	10100				
	1,9	742	0,97	563	10100				
	2,1	675	1,07	512	10100				
	2,3	604	1,56	458	10100				
	2,6	533	1,77	405	10100	<b>İRAM</b>	<b>721 İR 53 / 63 M 4a</b>	155	50
2,9	491	1,88	373	10100	<b>İRFM</b>			156	53
2,9	480	1,95	364	10100					
3,3	423	2,20	321	10100					
3,6	390	2,30	296	10100					
4,1	344	2,60	261	10100					
4,6	306	3,00	232	10100					
1,7	836	0,86	635	10100					
1,9	749	0,96	568	10100					
2,1	674	1,06	512	10100					
2,3	600	1,56	455	10100					
2,6	530	1,77	402	10100	<b>İRAM</b>	<b>731 İR 52 / 63 M 4a</b>	155	51	
3,0	468	2,00	355	10100			<b>İRFM</b>	156	54
3,4	416	2,20	316	10100					
3,8	372	2,50	282	10100					
4,2	333	2,80	253	10100					
4,7	300	2,90	228	10100					
1,8	777	0,84	590	7300					
2,0	704	0,93	534	7300					
2,3	622	1,04	472	7300					
2,5	566	1,15	430	7300					
2,9	475	1,37	361	7300					
3,1	449	1,45	341	7300					
3,5	397	1,64	301	7300	<b>İRAM</b>	<b>63 İR 52 / 63 M 4a</b>	153	42	
3,7	379	1,72	288	7300			<b>İRFM</b>	154	47
4,3	323	2,00	245	7300					
4,9	286	2,20	217	7300					
5,1	273	2,40	207	7300					
5,8	242	2,60	184	7300					
6,5	215	3,00	163	7300					
6,1	231	2,30	178	7300					
6,9	203	2,60	156	7300					
7,6	184	2,70	142	7300	<b>İRAM</b>	<b>62 İR 52 / 63 M 4a</b>	153	37	
8,6	162	3,00	125	7300			<b>İRFM</b>	154	42
9,5	148	3,30	114	7300					
10,4	134	3,60	103	7300					
3,7	377	0,75	286	4250	<b>İRAM</b>	<b>53 İR 42 / 63 M 4a</b>	151	23	
4,2	333	0,84	253	4250			<b>İRFM</b>	152	25
4,6	303	0,93	230	4250					



P <sub>1</sub>	n <sub>2</sub>	i	S <sub>f</sub>	M <sub>2</sub>	F <sub>Qv2</sub>						
GÜÇ	Çıkış Devri	Tahvil	Servis Faktörü	Çıkış Momenti	Rad. Yük	Tip					
Power	Output Speeds	Ratio	Service Factor	Output Torque	Over Loads	Type					
Leistung	Abtriebswelle Drehzahlen	Übersetzung	Betriebsfaktor	Abtriebswelle Drehmomente	Querkräfte	Typ					
[kW] Hp	[r.p.m]			[Nm]	[N]			kg			
<b>0,12</b> 0,16	5,2	268	1,05	203	4250	<b>İRAM</b> <b>İRFM</b>	<b>53 İR 42 / 63 M 4a</b>	151	23		
	5,9	237	1,19	180	4250						
	6,5	216	1,30	164	4250						
	7,3	192	1,47	146	4250						
	7,4	188	1,49	143	4250						
	8,3	168	1,67	128	4250						
	9,2	152	1,85	115	4250						
	10	136	1,99	103	4250						
	11	123	2,30	93	4250						
	13	111	2,50	84	4250						
	14	100	2,80	76	4250						
	13	105,66	2,30	83	5350			<b>İRAM</b> <b>İRFM</b> <b>İRAFM</b>	<b>53 / 63 M 4a</b>	121	17
	16	88,98	2,80	70	5150					122	19
	18	77,16	3,10	60	5150					123	20
21	67,60	3,30	53	5150							
17	81,366	1,27	64	2270	<b>İRAM</b> <b>İRFM</b> <b>İRAFM</b>	<b>43 / 63 M 4a</b>	118	11			
20	70,053	1,48	55	2270							
23	60,896	1,70	48	2270							
26	53,331	1,94	42	2270							
30	46,977	2,20	37	2270							
33	41,849	2,50	33	2270							
38	36,378	2,90	28	2120							
44	31,859	3,20	25	2120							
50	28,063	3,70	22	2000							
53	26,193	4,00	20	2000							
56	24,829	4,20	19	2000							
62	22,615	4,40	18	1940							
66	21,108	4,80	17	1940							
70	20,009	5,20	16	1940							
75	18,593	5,50	15	1940							
79	17,763	5,80	14	1900							
85	16,450	6,20	13	1900							
89	15,806	6,40	12	1850							
96	14,604	7,10	11	1850							
99	14,087	7,50	11	1850							
108	12,995	7,90	10	1750							
121	11,581	8,90	9	1700							
125	11,242	5,40	9	1650	<b>İRAM</b> <b>İRFM</b> <b>İRAFM</b>	<b>42 / 63 M 4a</b>	118	10			
142	9,845	6,00	8	1600							
161	8,672	6,80	7	1500							
182	7,673	7,90	6	1450							
204	6,872	11,4	5	1450							
230	6,080	12,8	5	1450							
253	5,538	13,7	4	1360							
259	5,398	14,2	4	1300							
286	4,900	15,1	4	1250							
291	4,803	16,0	4	1200							
322	4,350	16,9	3	1100							
327	4,280	17,8	3	1100							
370	3,780	19,2	3	1100							
406	3,449	21,5	3	1080							



P <sub>1</sub>	n <sub>2</sub>	i	S <sub>f</sub>	M <sub>2</sub>	F <sub>Qv2</sub>				
GÜÇ	Çıkış Devri	Tahvil	Servis Faktörü	Çıkış Momenti	Rad. Yük	Tip			
Power	Output Speeds	Ratio	Service Factor	Output Torque	Over Loads	Type			
Leistung	Abtriebswelle Drehzahlen	Übersetzung	Betriebsfaktor	Abtriebswelle Drehmomente	Querkräfte	Typ			
[kW] Hp	[r.p.m]			[Nm]	[N]			kg	
<b>0,18</b> 0,25	0,11	6466,41	0,77	14503	73000	<b>İRAM</b> <b>İRFM</b>	<b>151 İR 63 / 80 M 8a</b>	167	482
	0,16	4256,64	1,20	9547	73000				
	0,19	3660,46	1,50	8210	73000				
	0,24	2858,32	1,80	6411	73000				
	0,33	2144,03	2,27	4809	73000				
	0,34	2076,56	2,50	4657	73000				
	0,54	1298,44	4,20	2912	73000				
	0,53	2636	0,85	3001	26000				
	0,57	2460	0,91	2801	26000				
	0,60	2343	0,95	2667	26000				
0,64	2186	1,02	2489	26000					
0,67	2096	1,06	2386	26000					
0,72	1956	1,14	2227	26000					
0,74	1886	1,18	2147	26000	<b>İRAM</b> <b>İRFM</b>	<b>92 İR 63 / 63 M 4b</b>	161	131	
0,80	1760	1,27	2004	26000					
0,88	1592	1,40	1812	26000					
0,99	1409	1,60	1604	26000					
1,1	1315	1,67	1497	26000					
1,2	1201	1,86	1367	26000					
1,3	1098	2,50	1250	26000					
1,4	993	2,70	1131	26000					
0,79	1779	0,95	2025	18100					
0,89	1580	1,07	1799	18100					
1,0	1418	1,12	1614	18100					
1,1	1278	1,25	1455	18000					
1,2	1157	1,33	1317	18000	<b>İRAM</b> <b>İRFM</b>	<b>82 İR 63 / 63 M 4b</b>	159	111	
1,3	1050	1,46	1195	18000					
1,4	984	1,33	1120	18000					
1,6	887	1,60	1010	18000					
1,7	803	1,73	914	18000					
2,1	663	2,00	755	18000					
2,3	604	2,10	688	18000					
1,3	1095	0,79	1247	12100					
1,3	1079	0,79	1228	12100					
1,4	966	0,89	1100	12100					
1,6	894	0,96	1018	12100					
1,7	801	0,96	912	12100					
1,8	789	0,96	898	12100					
2,0	702	1,23	799	12100					
2,0	697	1,23	794	12100					
2,2	627	1,33	714	12100	<b>İRAM</b> <b>İRFM</b>	<b>73 İR 52 / 63 M 4b</b>	157	50	
2,5	563	1,53	641	12100					
2,5	553	1,53	630	12100					
2,6	535	1,53	609	12100					
3,0	469	1,73	534	12100					
3,3	419	1,93	477	12100					
3,4	414	1,93	471	12100					
3,7	376	2,10	428	12100					
3,8	370	2,20	421	12100					
4,2	332	2,40	378	12100					
5,1	276	2,60	314	12100					



P <sub>1</sub>	n <sub>2</sub>	i	S <sub>f</sub>	M <sub>2</sub>	F <sub>Qv2</sub>		Tip		
GÜÇ	Çıkış Devri	Tahvil	Servis Faktörü	Çıkış Momenti	Rad. Yük		Type		
Power	Output Speeds	Ratio	Service Factor	Output Torque	Over Loads		Typ		
Leistung	Abtriebswelle Drehzahlen	Übersetzung	Betriebsfaktor	Abtriebswelle Drehmomente	Querkräfte				
[kW] Hp	[r.p.m]			[Nm]	[N]				kg
<b>0,18</b>	5,2	270	2,70	307	12100	<b>İRAM İRFM</b>	<b>73 İR 52 / 63 M 4b</b>	157	50
	5,6	250	2,90	285	12100			158	53
<b>0,25</b>	5,7	244	2,90	278	12100				
	2,3	604	1,04	688	10100				
	2,6	533	1,18	607	10100				
	2,9	491	1,25	559	10100				
	2,9	480	1,30	546	10100	<b>İRAM İRFM</b>	<b>721 İR 53 / 63 M 4b</b>	155	50
	3,3	423	1,46	482	10100			156	53
	3,6	390	1,53	444	10100				
	4,1	344	1,73	392	10100				
	4,6	306	2,00	348	10100				
	2,3	600	1,04	683	10100				
	2,6	530	1,18	603	10100				
	3,0	468	1,33	533	10100	<b>İRAM İRFM</b>	<b>731 İR 52 / 63 M 4b</b>	155	51
	3,4	416	1,46	474	10100			156	54
	3,8	372	1,67	424	10100				
	4,2	333	1,86	379	10100				
	4,7	300	1,94	342	10100				
	2,9	475	0,91	541	7300				
	3,1	449	0,97	511	7300				
	3,5	397	1,09	452	7300				
	3,7	379	1,15	431	7300				
	4,3	323	1,33	368	7300	<b>İRAM İRFM</b>	<b>63 İR 52 / 63 M 4b</b>	153	42
	4,9	286	1,47	326	7300			154	47
	5,1	273	1,60	311	7300				
	5,8	242	1,73	276	7300				
	6,5	215	2,00	245	7300				
	7,3	191	2,30	217	7300				
	6,1	231	1,53	267	7300				
	6,9	203	1,73	235	7300				
	7,6	184	1,80	213	7300	<b>İRAM İRFM</b>	<b>62 İR 52 / 63 M 4b</b>	153	37
	8,6	162	2,00	187	7300			154	42
	9,5	148	2,20	171	7300				
	10	134	2,40	155	7300				
	5,9	237	0,79	270	4250				
	6,5	216	0,87	246	4250				
	7,3	192	0,98	219	4250				
	7,4	188	0,99	214	4250				
	8,3	168	1,11	191	4250	<b>İRAM İRFM</b>	<b>53 İR 42 / 63 M 4b</b>	151	23
	9,2	152	1,23	173	4250			152	25
	10	136	1,33	155	4250				
	11	123	1,53	140	4250				
	13	111	1,67	126	4250				
	14	100	1,87	114	4250				
	5,8	154,46	3,10	282	12100	<b>İRAM İRFM İRAFM</b>	<b>73 / 71 M 6a</b>	133	37
								134	40
								135	43
	4,6	152,090	1,46	357	10100	<b>İRAM İRFM</b>	<b>731 / 80 M 8a</b>	130	42
	5,2	134,933	1,65	317	10100			131	45
						<b>İRAFM</b>		132	48



P <sub>1</sub>	n <sub>2</sub>	i	S <sub>f</sub>	M <sub>2</sub>	F <sub>Qv2</sub>		Tip						
GÜÇ	Çıkış Devri	Tahvil	Servis Faktörü	Çıkış Momenti	Rad. Yük		Type						
Power	Output Speeds	Ratio	Service Factor	Output Torque	Over Loads		Typ						
Leistung	Abtriebswelle Drehzahlen	Übersetzung	Betriebsfaktor	Abtriebswelle Drehmomente	Querkräfte								
[kW] Hp	[r.p.m]			[Nm]	[N]				kg				
<b>0,18</b>	5,9	152,090	1,88	278	10100	<b>İRAM</b>	<b>731 / 71 M 6a</b>		130	39			
	6,7	134,933	2,10	246	10100				<b>İRFM</b>	131	42		
0,25	7,7	116,652	2,50	213	10100	<b>İRAFM</b>			132	45			
	8,9	100,847	2,80	184	10100								
	7,0	127,94	1,80	234	7300	<b>İRAPM</b>	<b>63 / 71 M 6a</b>		180	32			
	7,5	119,40	1,90	218	7300				<b>İRFBM</b>	181	37		
									<b>İRFBPM</b>	182	38		
	9,3	96,27	2,30	176	7300	<b>İRAM</b>	<b>63 / 71 M 6a</b>		127	30			
	10,2	87,81	2,60	160	7300				<b>İRFM</b>	128	35		
									<b>İRAFM</b>	129	36		
	7,0	127,94	1,80	234	7300	<b>İRAPM</b>	<b>631 / 71 M 6a</b>		177	32			
	7,5	119,40	1,90	218	7300				<b>İRFBM</b>	178	37		
									<b>İRFBPM</b>	179	40		
	9,3	96,27	2,30	176	7300	<b>İRAM</b>	<b>631 / 71 M 6a</b>		124	30			
	10	87,81	2,60	160	7300				<b>İRFM</b>	125	35		
									<b>İRAFM</b>	126	38		
	11	127,94	2,70	150	7300	<b>İRAPM</b>	<b>63 / 63 M 4b</b>		180	31			
	12	119,40	2,90	140	7300				<b>İRFBM</b>	181	36		
									<b>İRFBPM</b>	182	37		
	11	127,94	2,70	150	7300	<b>İRAPM</b>	<b>631 / 63 M 4b</b>		177	31			
	12	119,40	2,90	140	7300				<b>İRFBM</b>	178	36		
									<b>İRFBPM</b>	179	37		
	8,5	105,66	0,99	193	5000	<b>İRAM</b>	<b>53 / 71 M 6a</b>		121	18			
	10	88,98	1,18	162	5000				<b>İRFM</b>	122	20		
	12	77,16	1,33	141	5000				<b>İRAFM</b>	123	21		
	13	105,66	1,53	124	5000	<b>İRAM</b>	<b>53 / 63 M 4b</b>						
	16	88,98	1,85	104	4900				<b>İRFM</b>	121	17		
	18	77,16	2,07	91	4900				<b>İRFBM</b>	122	19		
	21	67,60	2,20	79	4750				<b>İRFBPM</b>	123	20		
	26	54,81	2,80	64	4750								
	29	48,41	3,40	57	4750								
	17	53,331	0,83	97	2270	<b>İRAM</b>	<b>43 / 71 M 6a</b>		118	13			
	19	46,977	0,95	86	2270				<b>İRFM</b>	119	14		
						<b>İRAFM</b>			120	14			
	17	81,366	0,85	95	2250	<b>İRAM</b>	<b>43 / 63 M 4b</b>						
	20	70,053	0,99	82	2250				<b>İRFM</b>				
	23	60,896	1,13	71	2220				<b>İRFBM</b>				
	26	53,331	1,29	63	2220				<b>İRFBPM</b>				
	30	46,977	1,47	55	2220								
	33	41,849	1,67	49	2090								
	38	36,378	1,93	43	2090								
	44	31,859	2,10	37	2000							118	12
	50	28,063	2,50	33	2000							119	13
	53	26,193	2,70	31	1960							120	13
	56	24,829	2,80	29	1900								
	62	22,615	2,90	27	1900								
	66	21,108	3,20	25	1900								
	70	20,009	3,50	23	1900								
	75	18,593	3,70	22	1900								
	79	17,763	3,90	21	1860								



P <sub>1</sub>	n <sub>2</sub>	i	S <sub>f</sub>	M <sub>2</sub>	F <sub>Qv2</sub>		Tip		
GÜÇ	Çıkış Devri	Tahvil	Servis Faktörü	Çıkış Momenti	Rad. Yük		Type		
Power	Output Speeds	Ratio	Service Factor	Output Torque	Over Loads		Typ		
Leistung	Abtriebswelle Drehzahlen	Übersetzung	Betriebsfaktor	Abtriebswelle Drehmomente	Querkräfte				
[kW] Hp	[r.p.m]			[Nm]	[N]				kg
<b>0,18</b> 0,25	85	16,450	4,20	19	1860	<b>İRAM</b> <b>İRFM</b> <b>İRAFEM</b>	<b>43 / 63 M 4b</b>	118	12
	89	15,806	4,30	19	1800			119	13
	96	14,604	4,70	17	1800			120	13
	99	14,087	5,00	17	1800				
	108	12,995	5,30	15	1720				
	121	11,581	6,00	14	1700				
	125	11,242	3,60	13	1610	<b>İRAM</b> <b>İRFM</b> <b>İRAFEM</b>	<b>42 / 63 M 4b</b>	118	11
	142	9,845	4,00	12	1550			119	12
	161	8,672	4,60	10	1460			120	12
	182	7,673	5,30	9	1400				
	204	6,872	7,60	8	1400				
	230	6,080	8,50	7	1400				
	253	5,538	9,10	7	1320				
	259	5,398	9,50	6	1250				
	286	4,900	10,00	6	1200				
	291	4,803	10,70	6	1150				
	322	4,350	11,30	5	1060				
	327	4,280	11,90	5	1060				
370	3,780	12,80	5	1050					
406	3,449	14,30	4	1020					
<b>0,25</b> 0,34	0,15	4766,77	0,76	14849	73000	<b>İRAM</b> <b>İRFM</b>	<b>151 İR 63 / 80 M 8b</b>	167	484
	0,19	3660,46	1,07	11402	73000			167	534
	0,33	2144,03	1,6	6679	73000				
	0,40	1743,35	1,97	5431	73000				
	0,58	1205,72	3,10	3756	73000				
	0,19	7333	0,85	11421	55000	<b>İRAM</b> <b>İRFM</b>	<b>123 İR 73 / 71 M 4a</b>	165	334
	0,21	6617	0,94	10306	55000			166	336
	0,22	6286	0,96	9791	55000				
	0,25	5578	1,10	8688	55000				
	0,28	4983	1,20	7761	55000				
	0,31	4476	1,34	6971	55000				
	0,35	4039	1,49	6291	55000				
	0,38	3659	1,63	5699	55000				
	0,42	3324	1,82	5177	55000				
	0,34	4059	1,43	6418	55000			<b>İRAM</b> <b>İRFM</b>	<b>122 İR 73 / 71 M 4a</b>
	0,38	3671	1,58	5805	55000	166	330		
	0,46	3066	1,87	4848	55000				
	0,52	2698	2,10	4266	55000				
	0,60	2333	2,50	3689	55000				
	0,29	4790	0,82	7461	34000	<b>İRAM</b> <b>İRFM</b>	<b>103 İR 73 / 71 M 4a</b>	163	215
	0,33	4230	0,90	6588	34000			164	218
	0,37	3760	0,94	5856	34000				
	0,42	3359	0,96	5232	34000				
	0,46	3014	1,05	4694	34000				
	0,52	2713	1,15	4226	34000				
	0,57	2448	1,35	3813	34000				
	0,51	2733	0,96	4322	34000			<b>İRAM</b> <b>İRFM</b>	<b>102 İR 73 / 71 M 4a</b>
	0,58	2413	1,06	3816	34000	164	211		
	0,65	2145	1,17	3392	34000				
	0,73	1916	1,31	3030	34000				
0,86	1635	1,59	2585	34000					





P <sub>1</sub>	n <sub>2</sub>	i	S <sub>f</sub>	M <sub>2</sub>	F <sub>Qv2</sub>			Tip						
GÜÇ	Çıkış Devri	Tahvil	Servis Faktörü	Çıkış Momenti	Rad. Yük			Type						
Power	Output Speeds	Ratio	Service Factor	Output Torque	Over Loads			Typ						
Leistung	Abtriebswelle Drehzahlen	Übersetzung	Betriebsfaktor	Abtriebswelle Drehmomente	Querkräfte									
[kW] Hp	[r.p.m]			[Nm]	[N]				kg					
<b>0,25</b> 0,34	0,96	1460	1,74	2309	34000	<b>İRAM</b> <b>İRFM</b>	<b>102 İR 73 / 71 M 4a</b>		163 208 164 211					
	1,1	1311	1,90	2073	34000									
	1,2	1180	2,40	1866	34000									
	1,3	1103	2,60	1744	34000									
	1,4	986	2,60	1559	34000									
	1,6	884	2,60	1398	34000									
	1,8	796	2,60	1259	34000									
	1,9	718	2,60	1135	34000									
	2,2	650	2,60	1028	34000									
	2,4	575	2,60	909	34000									
	0,74	1886	0,85	2982	26000									
	0,80	1760	0,91	2783	26000									
	0,88	1592	1,00	2517	26000									
	0,99	1409	1,15	2228	26000									
	1,1	1315	1,20	2079	26000	<b>İRAM</b> <b>İRFM</b>	<b>92 İR 63 / 71 M 4a</b>		161 132 162 142					
	1,2	1201	1,34	1899	26000									
	1,3	1098	1,82	1736	26000									
	1,4	993	1,96	1570	26000									
	1,6	901	1,96	1425	26000									
	1,7	821	1,96	1298	26000									
	1,9	749	1,96	1184	26000									
	2,0	685	1,96	1083	26000									
		1,9	725	2,80	1146					26000	<b>İRAM</b> <b>İRFM</b>	<b>93 İR 62 / 71 M 4a</b>		161 152 162 162
		2,2	648	3,10	1025					26000				
	1,2	1162	0,88	1837	18100	<b>İRAM</b> <b>İRFM</b>	<b>82 İR 63 / 71 M 4a</b>		159 112 160 117					
	1,3	1042	0,98	1648	18100									
	1,5	940	1,09	1486	18100									
	1,6	851	1,20	1346	18100									
	1,8	772	1,33	1221	18100									
	1,9	724	1,32	1145	18100									
	2,1	653	1,51	1033	18100									
	2,4	590	1,62	933	18100									
	2,6	536	1,85	848	18100									
	2,9	488	1,95	772	18100									
	3,2	444	2,00	702	18100									
	3,4	406	2,20	642	18100									
	3,6	394	2,40	623	18100									
	3,9	359	2,50	568	18100									
	4,4	315	3,10	498	18100									
4,9	286	3,30	452	18100										
5,4	261	3,50	413	18100										
	2,0	702	0,88	1110	12100	<b>İRAM</b> <b>İRFM</b>	<b>73 İR 52 / 71 M 4a</b>		157 51 158 54					
	2,0	697	0,88	1102	12100									
	2,2	627	0,95	991	12100									
	2,5	563	1,10	890	12100									
	2,5	553	1,10	874	12100									
	2,6	535	1,10	846	12100									
	3,0	469	1,25	742	12100									
	3,3	419	1,39	663	12100									
	3,4	414	1,39	655	12100									
	3,7	376	1,54	595	12100									
	3,8	370	1,58	585	12100									



P <sub>1</sub>	n <sub>2</sub>	i	S <sub>f</sub>	M <sub>2</sub>	F <sub>Qv2</sub>		Tip		
GÜÇ	Çıkış Devri	Tahvil	Servis Faktörü	Çıkış Momenti	Rad. Yük		Type		
Power	Output Speeds	Ratio	Service Factor	Output Torque	Over Loads		Typ		
Leistung	Abtriebswelle Drehzahlen	Übersetzung	Betriebsfaktor	Abtriebswelle Drehmomente	Querkräfte				
[kW] Hp	[r.p.m]			[Nm]	[N]				kg
<b>0,25</b>	4,2	332	1,73	525	12100				
	5,1	276	1,87	436	12100	İRAM	<b>73 İR 52 / 71 M 4a</b>	157	51
0,34	5,2	270	1,92	427	12100	İRFM			158
	5,6	250	2,10	395	12100				
	5,7	244	2,10	386	12100				
	6,0	232	2,20	372	12100	İRAM	<b>72 İR 52 / 71 M 4a</b>	157	48
	6,8	206	2,40	331	12100	İRFM			158
	2,6	533	0,85	843	10100				
	2,9	491	0,90	776	10100				
	2,9	480	0,94	759	10100				
	3,3	423	1,05	669	10100				
	3,6	390	1,10	617	10100				
	4,1	344	1,25	544	10100				
	4,6	306	1,44	484	10100	İRAM	<b>721 İR 53 / 71 M 4a</b>	155	51
	5,1	274	1,51	433	10100	İRFM			156
	5,7	246	1,65	389	10100				
	6,3	221	1,87	349	10100				
	7,0	199	2,00	315	10100				
	7,8	180	2,20	285	10100				
	8,6	163	2,50	258	10100				
	9,5	148	2,70	234	10100				
	2,6	530	0,85	838	10100				
	3,0	468	0,96	740	10100				
	3,4	416	1,05	658	10100				
	3,8	372	1,20	588	10100				
	4,2	333	1,34	527	10100				
	4,7	300	1,40	474	10100	İRAM	<b>731 İR 52 / 71 M 4a</b>	155	52
	5,2	267	1,58	422	10100	İRFM			156
	5,9	238	1,77	376	10100				
	6,5	214	1,98	338	10100				
	7,0	201	2,10	318	10100				
	7,8	180	2,30	285	10100				
	8,6	162	2,60	256	10100				
	9,6	146	2,90	231	10100				
	4,3	323	0,96	511	7300				
	4,9	286	1,05	452	7300				
	5,1	273	1,15	432	7300				
	5,8	242	1,25	383	7300	İRAM	<b>63 İR 52 / 71 M 4a</b>	153	43
	6,5	215	1,44	340	7300	İRFM			154
	7,3	191	1,63	302	7300				
	8,2	170	1,84	269	7300				
	9,3	151	2,00	239	7300				
	10	136	2,30	215	7300				
	6,1	231	1,10	371	7300				
	6,9	203	1,25	326	7300	İRAM	<b>62 İR 52 / 71 M 4a</b>	153	38
	7,6	184	1,30	295	7300	İRFM			154
	8,6	162	1,44	260	7300				
	9,5	148	1,58	238	7300				
	10	134	1,73	215	7300				
	8,3	168	0,80	266	4250	İRAM	<b>53 İR 42 / 71 M 4a</b>	151	25
	9,2	152	0,89	240	4250	İRFM			152
	10	136	0,95	215	4250				



P <sub>1</sub>	n <sub>2</sub>	i	S <sub>f</sub>	M <sub>2</sub>	F <sub>Qv2</sub>		Tip		
GÜÇ	Çıkış Devri	Tahvil	Servis Faktörü	Çıkış Momenti	Rad. Yük		Type		
Power	Output Speeds	Ratio	Service Factor	Output Torque	Over Loads		Typ		
Leistung	Abtriebswelle Drehzahlen	Übersetzung	Betriebsfaktor	Abtriebswelle Drehmomente	Querkräfte				
[kW] Hp	[r.p.m]			[Nm]	[N]				kg
<b>0,25</b>	11	123	1,10	194	4250	<b>İRAM</b> <b>İRFM</b>	<b>53 İR 42 / 71 M 4a</b>	151	25
	13	111	1,20	176	4250			152	27
0,34	14	100	1,34	158	4250				
	2,4	293,461	2,90	957	26000	<b>İRAPM</b>	<b>93 / 80 M 8b</b>	192	131
	2,6	273,733	3,00	892	26000	<b>İRFPM</b>		193	141
2,9	240,506	3,50	784	26000	<b>İRAFPM</b>	194		151	
	2,8	250,50	1,80	817	18100	<b>İRAM</b>	<b>83 / 80 M 8b</b>	136	78
	3,2	221,16	2,00	721	18100	<b>İRFM</b>		137	83
	3,4	208,58	2,30	680	18100	<b>İRAFM</b>		138	85
	5,8	154,46	2,23	392	12100	<b>İRAM</b>	<b>73 / 71 M 6b</b>	133	38
	6,7	133,53	2,59	339	12100	<b>İRFM</b>		134	41
	8,7	103,60	3,24	263	12100	<b>İRAFM</b>		135	44
	9,1	154,46	3,40	252	12100	<b>İRAM</b> <b>İRFM</b> <b>İRAFM</b>		133	37
								134	40
								135	43
	4,6	152,090	1,05	496	10100	<b>İRAM</b>	<b>731 / 80 M 8b</b>	130	44
	5,2	134,933	1,19	440	10100	<b>İRFM</b>		131	47
						<b>İRAFM</b>		132	50
	5,9	152,090	1,35	386	10100	<b>İRAM</b>	<b>731 / 71 M 6b</b>	130	40
	6,7	134,933	1,51	342	10100	<b>İRFM</b>		131	43
	7,7	116,652	1,80	296	10100	<b>İRAFM</b>		132	46
	8,9	100,847	2,00	256	10100				
	9,2	152,090	2,10	248	10100				
	10	134,933	2,30	220	10100	<b>İRAM</b>	<b>731 / 71 M 4a</b>	130	39
	12	116,652	2,70	190	10100	<b>İRFM</b>		131	42
	14	100,847	3,10	164	10100	<b>İRAFM</b>		132	45
	16	88,933	3,50	145	10100				
	7,0	127,94	1,30	324	7300	<b>İRAPM</b>	<b>63 / 71 M 6b</b>	180	33
	7,5	119,40	1,37	303	7300	<b>İRFPM</b>		181	38
						<b>İRAFPM</b>		182	39
	9,3	96,27	1,65	244	7300	<b>İRAM</b>	<b>63 / 71 M 6b</b>	127	31
	10	87,81	1,86	223	7300	<b>İRFM</b>		128	36
						<b>İRAFM</b>		129	37
	7,0	127,94	1,30	324	7300	<b>İRAPM</b>	<b>631 / 71 M 6b</b>	177	33
	7,5	119,40	1,37	303	7300	<b>İRFPM</b>		178	38
						<b>İRAFPM</b>		179	39
	9,3	96,27	1,65	244	7300	<b>İRAM</b>	<b>631 / 71 M 6b</b>	124	31
	10	87,81	1,86	223	7300	<b>İRFM</b>		125	36
						<b>İRAFM</b>		126	37
	11	127,94	1,94	209	7300	<b>İRAPM</b>	<b>63 / 71 M 4a</b>	180	32
	12	119,40	2,00	195	7300	<b>İRFPM</b>		181	37
						<b>İRAFPM</b>		182	38
	15	96,27	2,60	157	7300	<b>İRAM</b>	<b>63 / 71 M 4a</b>	127	30
	16	87,81	2,80	143	7300	<b>İRFM</b>		128	35
	17	83,37	3,00	136	7300	<b>İRAFM</b>		129	36
	20	70,97	3,80	116	7300				



P <sub>1</sub>	n <sub>2</sub>	i	S <sub>f</sub>	M <sub>2</sub>	F <sub>Qv2</sub>	Tip		kg	
GÜÇ	Çıkış Devri	Tahvil	Servis Faktörü	Çıkış Momenti	Rad. Yük	Type		kg	
Power	Output Speeds	Ratio	Service Factor	Output Torque	Over Loads	Typ		kg	
Leistung	Abtriebswelle Drehzahlen	Übersetzung	Betriebsfaktor	Abtriebswelle Drehmomente	Querkräfte				
[kW] Hp	[r.p.m]			[Nm]	[N]				
<b>0,25</b>	11	127,94	1,94	209	7300	<b>İRAPM</b> <b>İRFPM</b> <b>İRAFP</b>	<b>631 / 71 M 4a</b>	177	32
	12	119,40	2,00	195	7300			178	37
0,34	15	96,27	2,60	157	7300			<b>İRAM</b> <b>İRFM</b> <b>İRAFM</b>	<b>631 / 71 M 4a</b>
	16	87,81	2,80	143	7300	125	35		
	17	83,37	3,00	136	7300	126	36		
	20	70,97	3,80	116	7300				
	13	105,66	1,10	172	4550	<b>İRAM</b> <b>İRFM</b> <b>İRAFM</b>	<b>53 / 71 M 4a</b>	121	18
	16	88,98	1,33	145	4550			122	20
	18	77,16	1,49	126	4500			123	21
	21	67,60	1,58	110	4400				
	26	54,81	2,00	89	4400				
	29	48,41	2,40	79	4300				
	32	43,98	2,80	72	4150				
	36	39,09	3,10	64	4150				
	40	34,93	3,40	57	4150				
	23	60,896	0,82	99	2130			<b>İRAM</b> <b>İRFM</b> <b>İRAFM</b>	<b>43 / 71 M 4a</b>
	26	53,331	0,93	87	2130	119	14		
	30	46,977	1,06	77	2130	120	14		
	38	36,378	1,39	59	2010				
	44	31,859	1,54	52	1920				
	50	28,063	1,78	46	1920				
	53	26,193	1,92	43	1880				
	56	24,829	2,00	40	1840				
	62	22,615	2,10	37	1830				
	66	21,108	2,30	34	1820				
	70	20,009	2,50	33	1810				
	75	18,593	2,70	30	1810				
	79	17,763	2,80	29	1780				
	85	16,450	3,00	27	1770				
	89	15,806	3,10	26	1720				
	96	14,604	3,40	24	1720				
	99	14,087	3,60	23	1720				
	108	12,995	3,80	21	1660				
	121	11,581	4,30	19	1630				
	125	11,242	2,60	19	1550	<b>İRAM</b> <b>İRFM</b> <b>İRAFM</b>	<b>42 / 71 M 4a</b>	118	12
	142	9,845	2,90	16	1490			119	13
	161	8,672	3,30	14	1400			120	13
	182	7,673	3,80	13	1340				
	204	6,872	5,50	11	1340				
	230	6,080	6,10	10	1340				
	253	5,538	6,60	9	1260				
	259	5,398	6,80	9	1190				
	286	4,900	7,20	8	1140				
	291	4,803	7,70	8	1090				
	322	4,350	8,10	7	1000				
	327	4,280	8,50	7	1000				
	370	3,780	9,20	6	950				
	406	3,449	10,30	6	900				
<b>0,37</b>	0,22	4099,41	0,78	14699	73000	<b>İRAM</b> <b>İRFM</b>	<b>151 İR 63 / 80 M 6a</b>	167	482
	0,35	2552,42	1,31	9152	73000			167	532
	0,50	0,50	1790,46	1,85	6420	73000			



P <sub>1</sub>	n <sub>2</sub>	i	S <sub>f</sub>	M <sub>2</sub>	F <sub>Qv2</sub>		Tip			
GÜÇ	Çıkış Devri	Tahvil	Servis Faktörü	Çıkış Momenti	Rad. Yük		Type			
Power	Output Speeds	Ratio	Service Factor	Output Torque	Over Loads		Typ			
Leistung	Abtriebswelle Drehzahlen	Übersetzung	Betriebsfaktor	Abtriebswelle Drehmomente	Querkräfte					
[kW] Hp	[r.p.m]			[Nm]	[N]				kg	
<b>0,37</b>	0,73	1228,05	2,45	4403	73000	<b>İRAM</b>	<b>151 İR 63 / 80 M 6a</b>	167	482	
	0,89	1016,50	3,50	3645	73000			<b>İRFM</b>	167	532
<b>0,50</b>	0,28	4983	0,81	11486	55000	<b>İRAM</b>	<b>123 İR 73 / 71 M 4b</b>	165	335	
	0,31	4476	0,91	10318	55000			<b>İRFM</b>	166	337
	0,35	4039	1,00	9310	55000					
	0,38	3659	1,10	8434	55000					
	0,42	3324	1,23	7662	55000					
	0,34	4059	0,96	9499	55000	<b>İRAM</b>	<b>122 İR 73 / 71 M 4b</b>	165	329	
	0,38	3671	1,07	8591	55000			<b>İRFM</b>	166	331
	0,46	3066	1,26	7175	55000					
	0,52	2698	1,41	6314	55000					
	0,60	2333	1,70	5460	55000					
	0,68	2070	1,90	4844	55000					
	0,76	1849	2,10	4327	55000					
	0,84	1661	2,30	3887	55000					
	0,57	2448	0,91	5643	34000	<b>İRAM</b>	<b>103 İR 73 / 71 M 4b</b>	163	216	
								<b>İRFM</b>	164	219
	0,65	2145	0,79	5020	34000	<b>İRAM</b>	<b>102 İR 73 / 71 M 4b</b>			
	0,73	1916	0,89	4484	34000			<b>İRFM</b>	163	209
	0,86	1635	1,07	3826	34000					
	0,96	1460	1,18	3417	34000					
	1,1	1311	1,28	3068	34000					
	1,2	1180	1,62	2761	34000					
	1,3	1103	1,75	2581	34000					
	1,4	986	1,75	2307	34000					
	1,6	884	1,75	2069	34000					
	1,8	796	1,75	1863	34000					
	1,9	718	1,75	1680	34000					
	2,2	650	1,75	1521	34000					
	2,4	575	1,75	1346	34000					
	1,2	1201	0,91	2811	26000	<b>İRAM</b>	<b>92 İR 63 / 71 M 4b</b>			
	1,3	1098	1,23	2570	26000			<b>İRFM</b>	161	133
	1,4	993	1,33	2324	26000					
	1,6	901	1,33	2109	26000					
	1,7	821	1,33	1921	26000					
	1,9	749	1,33	1753	26000					
	2,0	685	1,33	1603	26000					
	1,9	725	1,89	1697	26000	<b>İRAM</b>	<b>93 İR 62 / 71 M 4b</b>			
	2,2	648	2,10	1516	26000			<b>İRFM</b>	161	153
	2,6	538	2,30	1259	26000					
	2,7	527	2,50	1233	26000					
	2,9	479	2,80	1121	26000					
	3,2	436	3,10	1020	26000					
	3,5	398	3,40	931	26000					
	3,8	364	3,70	852	26000					
	4,2	334	4,00	782	26000					
	1,8	772	0,89	1807	18100	<b>İRAM</b>	<b>82 İR 63 / 71 M 4b</b>			
	1,9	724	0,89	1694	18100			<b>İRFM</b>	159	113
	2,1	653	1,02	1528	18100					
	2,4	590	1,10	1381	18100					
	2,6	536	1,25	1254	18100					



P <sub>1</sub>	n <sub>2</sub>	i	S <sub>f</sub>	M <sub>2</sub>	F <sub>Qv2</sub>				
GÜÇ	Çıkış Devri	Tahvil	Servis Faktörü	Çıkış Momenti	Rad. Yük	Tip			
Power	Output Speeds	Ratio	Service Factor	Output Torque	Over Loads	Type			
Leistung	Abtriebswelle Drehzahlen	Übersetzung	Betriebsfaktor	Abtriebswelle Drehmomente	Querkräfte	Typ			
[kW] Hp	[r.p.m]			[Nm]	[N]				kg
<b>0,37</b> 0,50	2,9	488	1,32	1142	18100				
	3,2	444	1,40	1039	18100				
	3,4	406	1,48	950	18100				
	3,6	394	1,64	922	18100	İRAM	<b>82 İR 63 / 71 M 4b</b>	159	113
	3,9	359	1,73	840	18100	İRFM		160	118
	4,4	315	2,10	737	18100				
	4,9	286	2,20	669	18100				
	5,4	261	2,30	611	18100				
	3,7	376	1,04	880	12100				
	3,8	370	1,07	866	12100				
	4,2	332	1,18	777	12100	İRAM	<b>73 İR 52 / 71 M 4b</b>	157	52
	5,1	276	1,26	646	12100	İRFM		158	55
	5,2	270	1,30	632	12100				
	5,6	250	1,39	585	12100				
5,7	244	1,43	571	12100					
6,0	232	1,49	551	12100	İRAM	<b>72 İR 52 / 71 M 4b</b>	157	49	
6,8	206	1,62	489	12100	İRFM		158	52	
8,8	160	2,50	380	12100					
4,1	344	0,84	805	10100					
4,6	306	0,97	716	10100					
5,1	274	1,02	641	10100					
5,7	246	1,12	576	10100	İRAM	<b>721 İR 53 / 71 M 4b</b>	155	52	
6,3	221	1,26	517	10100	İRFM		156	55	
7,0	199	1,36	466	10100					
7,8	180	1,51	421	10100					
8,6	163	1,70	381	10100					
9,5	148	1,85	346	10100					
3,8	372	0,81	871	10100					
4,2	333	0,91	779	10100					
4,7	300	0,95	702	10100					
5,2	267	1,06	625	10100					
5,9	238	1,20	557	10100	İRAM	<b>731 İR 52 / 71 M 4b</b>	155	53	
6,5	214	1,33	501	10100	İRFM		156	56	
7,0	201	1,41	470	10100					
7,8	180	1,55	421	10100					
8,6	162	1,75	379	10100					
9,6	146	1,96	342	10100					
12,6	111	0,81	260	4250	İRAM		<b>53 İR 42 / 71 M 4b</b>	151	26
14,0	100	0,91	234	4250	İRFM	152		28	
2,4	293,46	1,95	1416	26000	İRAPM	<b>93 / 90 S 8a</b>	192	134	
2,6	273,73	2,00	1320	26000	İRFPM		193	144	
2,9	240,50	2,40	1160	26000	İRAFPM		194	154	
3,1	293,46	2,50	1101	26000	İRAPM	<b>93 / 80 M 6a</b>	192	129	
3,3	273,73	2,60	1027	26000	İRFPM		193	139	
3,7	240,50	3,00	902	26000	İRAFPM		194	149	
4,2	213,60	3,50	801	26000					
2,8	250,50	1,22	1208	18100	İRAM	<b>83 / 90 S 8a</b>	136	81	
3,2	221,16	1,35	1067	18100	İRFM		137	86	
3,4	208,58	1,57	1006	18100	İRAFPM		138	88	



P <sub>1</sub>	n <sub>2</sub>	i	S <sub>f</sub>	M <sub>2</sub>	F <sub>Qv2</sub>		Tip		
GÜÇ	Çıkış Devri	Tahvil	Servis Faktörü	Çıkış Momenti	Rad. Yük		Type		
Power	Output Speeds	Ratio	Service Factor	Output Torque	Over Loads		Typ		
Leistung	Abtriebswelle Drehzahlen	Übersetzung	Betriebsfaktor	Abtriebswelle Drehmomente	Querkräfte				
[kW] Hp	[r.p.m]			[Nm]	[N]				kg
<b>0,37</b>	3,6	250,50	1,57	940	18100				
	4,1	221,16	1,78	830	18100	İRAM	<b>83 / 80 M 6a</b>	136	76
0,50	4,3	208,58	2,00	783	18100	İRFM		137	81
	4,8	186,71	2,10	701	18100	İRAFM		138	83
	5,3	168,34	2,30	632	18100				
	5,8	154,46	1,51	580	12100	İRAM	<b>73 / 80 M 6a</b>	133	40
	6,7	133,53	1,75	501	12100	İRFM		134	43
	8,7	103,60	2,19	389	12100	İRAFM		135	46
	9,9	91,36	2,77	343	12100				
	9,1	154,46	2,30	373	12100	İRAM	<b>73 / 71 M 4b</b>	133	38
	10	133,53	2,60	322	12100	İRFM		134	41
	14	103,60	3,37	250	12100	İRAFM		135	44
	5,9	152,090	0,91	571	10100	İRAM	<b>731 / 80 M 6a</b>	130	42
	6,7	134,933	1,02	506	10100	İRFM		131	45
	7,7	116,652	1,21	438	10100	İRAFM		132	48
	8,9	100,847	1,36	378	10100				
	9,2	152,090	1,42	367	10100	İRAM	<b>731 / 71 M 4b</b>	130	40
	10	134,933	1,59	325	10100	İRFM		131	43
	12	116,652	1,85	281	10100	İRAFM		132	46
	14	100,847	2,10	243	10100				
	16	88,933	2,40	215	10100				
	7,0	127,94	0,87	480	7170	İRAPM	<b>63 / 80 M 6a</b>	180	35
	7,5	119,40	0,92	448	7170	İRFPM		181	40
						İRAFPM		182	41
	9,3	96,27	1,11	361	7170	İRAM	<b>63 / 80 M 6a</b>	127	33
	10	87,81	1,26	329	7170	İRFM		128	38
						İRAFM		129	39
	7,0	127,94	0,87	480	7170	İRAPM	<b>631 / 80 M 6a</b>	177	35
	7,5	119,40	0,92	448	7170	İRFPM		178	40
						İRAFPM		179	41
	9,3	96,27	1,11	361	7170	İRAM	<b>631 / 80 M 6a</b>	124	33
	10	87,81	1,26	329	7170	İRFM		125	38
						İRAFM		126	39
	11	127,94	1,31	309	7170	İRAPM	<b>63 / 71 M 4b</b>	180	33
	12	119,40	1,41	288	7170	İRFPM		181	38
						İRAFPM		182	39
	15	96,27	1,75	232	7170	İRAM	<b>63 / 71 M 4b</b>	127	31
	16	87,81	1,93	212	7170	İRFM		128	36
	17	83,37	2,00	201	7170	İRAFM		129	37
	20	70,97	2,60	171	7170				
	23	61,03	2,80	147	7170				
	27	51,65	3,80	125	7170				
	11	127,94	1,31	309	7170	İRAPM	<b>631 / 71 M 4b</b>	177	33
	12	119,40	1,41	288	7170	İRFPM		178	38
						İRAFPM		179	39
	15	96,27	1,75	232	7170	İRAM	<b>631 / 71 M 4b</b>	124	31
	16	87,81	1,93	212	7170	İRFM		125	36
	17	83,37	2,00	201	7170	İRAFM		126	37



P <sub>1</sub>	n <sub>2</sub>	i	S <sub>f</sub>	M <sub>2</sub>	F <sub>Qv2</sub>		Tip				
GÜÇ	Çıkış Devri	Tahvil	Servis Faktörü	Çıkış Momenti	Rad. Yük		Type				
Power	Output Speeds	Ratio	Service Factor	Output Torque	Over Loads		Typ				
Leistung	Abtriebswelle Drehzahlen	Übersetzung	Betriebsfaktor	Abtriebswelle Drehmomente	Querkräfte						
[kW] Hp	[r.p.m]			[Nm]	[N]				kg		
<b>0,37</b>	20	70,97	2,60	171	7170	<b>İRAM</b>	<b>631 / 71 M 4b</b>		124	31	
	23	61,03	2,80	147	7170				<b>İRFM</b>	125	36
	0,50	27	51,65	3,80	125				7170	<b>İRAFM</b>	126
	16	88,98	0,90	215	4250	<b>İRAM</b>	<b>53 / 71 M 4b</b>		121	19	
	18	77,16	1,00	186	4250						
	21	67,60	1,07	163	4200						
	26	54,81	1,36	132	4050						
	29	48,41	1,65	117	4050						
	32	43,98	1,89	106	4050						
	36	39,09	2,00	94	4000						
	40	34,93	2,30	84	4000						
	45	31,33	2,50	76	4000						
	50	28,21	2,80	68	4000						
	55	25,46	3,00	61	3850						
	61	23,02	3,30	56	3800						
	64	21,88	3,35	53	3800						
		81	17,18	3,50	42						3600
93		15,05	4,30	37	3550						
105		13,29	4,80	33	3500						
119		11,81	5,40	29	3500						
133		10,55	5,90	26	3500						
	38	36,378	0,94	88	1880	<b>İRAM</b>	<b>43 / 71 M 4b</b>		118	14	
	44	31,859	1,04	77	1850						
	50	28,063	1,20	68	1820						
	53	26,193	1,30	63	1800						
	56	24,829	1,36	60	1760						
	62	22,615	1,43	55	1740						
	66	21,108	1,55	51	1700						
	70	20,009	1,70	48	1650						
	75	18,593	1,80	45	1600						
	79	17,763	1,90	43	1600						
	85	16,450	2,00	40	1550						
	89	15,806	2,10	38	1500						
	96	14,604	2,30	35	1500						
	99	14,087	2,40	34	1490						
108	12,995	2,60	31	1450							
121	11,581	2,90	28	1430							
	125	11,242	1,75	28	1400	<b>İRAM</b>	<b>42 / 71 M 4b</b>		118	13	
	142	9,845	1,96	24	1350						
	161	8,672	2,20	21	1300						
	182	7,673	2,60	19	1250						
	204	6,872	3,70	17	1200						
	230	6,080	4,10	15	1150						
	253	5,538	4,40	14	1100						
	259	5,398	4,60	13	1080						
	286	4,900	4,90	12	1030						
	291	4,803	5,20	12	970						
	322	4,350	5,50	11	950						
327	4,280	5,80	10	900							
370	3,780	6,20	9	900							
406	3,449	6,90	8	850							





P <sub>1</sub>	n <sub>2</sub>	i	S <sub>f</sub>	M <sub>2</sub>	F <sub>Qv2</sub>			Tip	
GÜÇ	Çıkış Devri	Tahvil	Servis Faktörü	Çıkış Momenti	Rad. Yük			Type	
Power	Output Speeds	Ratio	Service Factor	Output Torque	Over Loads			Typ	
Leistung	Abtriebswelle Drehzahlen	Übersetzung	Betriebsfaktor	Abtriebswelle Drehmomente	Querkräfte				
[kW] Hp	[r.p.m]			[Nm]	[N]				kg
<b>0,55</b> 0,75	0,34	4099,41	0,79	14047	73000	<b>İRAM</b> <b>İRFM</b>	<b>151 İR 63 / 80 M 4a</b>		167 482
	0,45	3097,86	0,98	10615	73000				
	0,59	2390,20	1,18	8190	73000				
	0,78	1790,46	1,70	6135	73000				
	0,93	1509,47	2,02	5172	73000				
	1,09	1289,63	2,36	4419	73000				
	1,33	1049,16	2,90	3595	73000				
	1,61	868,43	3,95	2976	73000				
	0,49	2829	0,91	9841	55000	<b>İRAM</b> <b>İRFM</b>	<b>123 İR 72 / 80 M 4a</b>		165 337
	0,56	2517	1,05	8756	55000				
	0,62	2260	1,14	7862	55000				
	0,68	2044	1,27	7110	55000				
	0,84	1657	1,68	5764	55000				
	0,93	1511	1,86	5256	55000				
	1,0	1357	2,10	4721	55000				
	1,1	1227	2,30	4268	55000				
1,4	1025	2,80	3566	55000					
	0,52	2698	0,95	9386	55000	<b>İRAM</b> <b>İRFM</b>	<b>122 İR 73 / 80 M 4a</b>		165 331
	0,60	2333	1,15	8116	55000				
	0,68	2070	1,27	7201	55000				
	0,76	1849	1,41	6432	55000				
	0,84	1661	1,57	5778	55000				
0,91	1535	1,60	5340	55000					
	1,2	1173	1,09	4081	34000	<b>İRAM</b> <b>İRFM</b>	<b>103 İR 72 / 80 M 4a</b>		163 218
	1,3	1046	1,20	3639	34000				
	1,5	923	1,32	3211	34000				
	1,7	821	1,46	2856	34000				
	1,9	733	1,60	2550	34000				
	2,1	658	1,75	2289	34000				
	2,4	592	1,90	2059	34000				
	2,6	535	2,20	1861	34000				
2,9	485	2,80	1687	34000					
	0,96	1460	0,79	5079	34000	<b>İRAM</b> <b>İRFM</b>	<b>102 İR 73 / 80 M 4a</b>		163 211
	1,1	1311	0,86	4561	34000				
	1,2	1180	1,09	4105	34000				
	1,3	1103	1,18	3837	34000				
	1,4	986	1,18	3430	34000				
	1,6	884	1,18	3075	34000				
	1,8	796	1,18	2769	34000				
	1,9	718	1,18	2498	34000				
	2,2	650	1,18	2261	34000				
2,4	575	1,18	2000	34000					
	1,9	725	1,27	2522	26000	<b>İRAM</b> <b>İRFM</b>	<b>93 İR 62 / 80 M 4a</b>		161 155
	2,2	648	1,41	2254	26000				
	2,6	538	1,55	1872	26000				
	2,7	527	1,73	1833	26000				
	2,9	479	1,91	1666	26000				
	3,2	436	2,10	1517	26000				
	3,5	398	2,30	1385	26000				
	3,8	364	2,50	1266	26000				
4,2	334	2,70	1162	26000					



P <sub>1</sub>	n <sub>2</sub>	i	S <sub>f</sub>	M <sub>2</sub>	F <sub>Qv2</sub>		Tip		
GÜÇ	Çıkış Devri	Tahvil	Servis Faktörü	Çıkış Momenti	Rad. Yük		Type		
Power	Output Speeds	Ratio	Service Factor	Output Torque	Over Loads		Typ		
Leistung	Abtriebswelle Drehzahlen	Übersetzung	Betriebsfaktor	Abtriebswelle Drehmomente	Querkräfte				
[kW]	[r.p.m]			[Nm]	[N]				kg
Hp									
<b>0,55</b>	4,4	315	2,30	1147	26000				
	5,0	278	2,60	1012	26000	<b>İRAM</b>	<b>92 İR 62 / 80 M 4a</b>	161	135
0,75	5,7	247	2,90	899	26000	<b>İRFM</b>			162
	6,3	221	3,30	804	26000				
	2,6	536	0,84	1865	17350				
	2,9	488	0,89	1698	17350				
	3,2	444	0,94	1545	17350				
	3,4	406	0,99	1412	17300				
	3,6	394	1,10	1371	17300				
	3,9	359	1,16	1249	17350	<b>İRAM</b>	<b>82 İR 63 / 80 M 4a</b>	159	115
	4,4	315	1,42	1096	17350	<b>İRFM</b>			160
	4,9	286	1,51	995	17350				
	5,4	261	1,60	908	17300				
	5,8	240	1,92	835	17300				
	6,4	218	2,00	758	17300				
	7,7	181	2,30	630	17300				
	6,0	232	1,00	819	11500				
	6,8	206	1,09	728	11500	<b>İRAM</b>	<b>72 İR 52 / 80 M 4a</b>	157	51
	8,8	160	1,73	565	11500	<b>İRFM</b>			158
	6,3	221	0,85	769	9500				
	7,0	199	0,91	692	9500				
	7,8	180	1,01	626	9500	<b>İRAM</b>	<b>721 İR 53 / 80 M 4a</b>	155	54
	8,6	163	1,15	567	9500	<b>İRFM</b>			156
	9,5	148	1,24	515	9500				
	7,0	201	0,95	699	9500				
	7,8	180	1,04	626	9500	<b>İRAM</b>	<b>731 İR 52 / 80 M 4a</b>	155	55
	8,6	162	1,18	564	9500	<b>İRFM</b>			156
	9,6	146	1,32	508	9500				
	2,4	293,46	1,31	2104	25000	<b>İRAPM</b>		192	136
	2,6	273,73	1,36	1963	25000	<b>İRFPM</b>	<b>93 / 90 L 8a</b>	193	146
	2,9	240,50	1,59	1725	25000	<b>İRAFPM</b>			194
	3,1	293,46	1,70	1637	24700	<b>İRAPM</b>		192	130
	3,3	273,73	1,80	1527	24700	<b>İRFPM</b>	<b>93 / 80 M 6b</b>	193	140
	3,7	240,50	2,02	1341	24700	<b>İRAFPM</b>			194
	4,2	213,60	2,35	1191	24700				
	4,8	293,46	2,66	1052	25000	<b>İRAPM</b>		192	129
	5,1	273,73	2,85	981	25000	<b>İRFPM</b>	<b>93 / 80 M 4a</b>	193	139
	5,8	240,50	3,20	862	25000	<b>İRAFPM</b>			194
	6,6	213,60	3,65	766	25000				
	3,6	250,50	1,05	1397	17350				
	4,1	221,16	1,20	1233	17350	<b>İRAM</b>		136	77
	4,3	208,58	1,35	1163	17350	<b>İRFM</b>	<b>83 / 80 M 6b</b>	137	82
	4,8	186,71	1,41	1041	17300	<b>İRAFPM</b>			138
	5,3	168,34	1,55	939	17300				
	5,6	250,50	1,65	898	17350				
	6,3	221,16	1,86	793	17350	<b>İRAM</b>	<b>83 / 80 M 4a</b>	136	76
	6,7	208,58	2,10	748	17350	<b>İRFM</b>			137
	7,5	186,71	2,20	669	17350	<b>İRAFPM</b>		138	83
	8,3	168,34	2,40	604	17350				
	9,2	152,68	2,60	547	17100				



P <sub>1</sub>	n <sub>2</sub>	i	S <sub>f</sub>	M <sub>2</sub>	F <sub>Qv2</sub>		Tip			
GÜÇ	Çıkış Devri	Tahvil	Servis Faktörü	Çıkış Momenti	Rad. Yük		Type			
Power	Output Speeds	Ratio	Service Factor	Output Torque	Over Loads		Typ			
Leistung	Abtriebswelle Drehzahlen	Übersetzung	Betriebsfaktor	Abtriebswelle Drehmomente	Querkräfte					
[kW] Hp	[r.p.m]			[Nm]	[N]				kg	
<b>0,55</b>	10	139,19	2,90	499	17100	<b>İRAM</b>	<b>83 / 80 M 4a</b>		136	76
	11	127,44	3,20	457	17100				<b>İRFM</b>	137
<b>0,75</b>	12	117,12	3,50	420	17100	<b>İRAFAM</b>			138	83
	14	103,03	3,90	369	17100					
	5,8	154,46	1,01	861	11500	<b>İRAM</b>	<b>73 / 80 M 6b</b>		133	41
	6,7	133,53	1,18	745	11500				<b>İRFM</b>	134
	8,7	103,60	1,47	578	11500	<b>İRAFAM</b>			135	47
	9,9	91,36	1,86	510	11500					
	9,1	154,46	1,58	554	11500	<b>İRAM</b>	<b>73 / 80 M 4a</b>		133	40
	10	133,53	1,81	479	11500				<b>İRFM</b>	134
	14	103,60	2,27	371	11500	<b>İRAFAM</b>			135	46
	15	91,36	2,90	328	11500					
	17	81,25	3,26	291	11500					
	19	72,76	3,45	261	11500					
	21	65,52	3,60	235	11500					
	24	59,41	3,90	213	11500					
	7,7	116,652	0,81	651	9500	<b>İRAM</b>	<b>731 / 80 M 6b</b>		130	43
	8,9	100,847	0,91	562	9500				<b>İRFM</b>	131
						<b>İRAFAM</b>			132	49
	9,2	152,090	0,96	545	9500	<b>İRAM</b>	<b>731 / 80 M 4a</b>		130	42
	10	134,933	1,07	484	9500				<b>İRFM</b>	131
	12	116,652	1,24	418	9500	<b>İRAFAM</b>			132	48
	14	100,847	1,44	362	9500					
	16	88,933	1,61	319	9500					
	18	78,425	1,81	281	9350					
	20	69,746	2,10	250	9350					
	22	62,455	2,30	224	9300					
	25	55,543	2,60	199	9250					
	28	49,737	2,90	178	9250					
	31	44,791	3,20	161	9200					
	10	87,81	0,85	490	7090	<b>İRAM</b>	<b>63 / 80 M 6b</b>		127	34
									<b>İRFM</b>	128
						<b>İRAFAM</b>			129	40
	11	127,94	0,88	459	7090	<b>İRAM</b>	<b>63 / 80 M 4a</b>		127	33
	12	119,40	0,95	428	7090				<b>İRFM</b>	128
	15	96,27	1,18	345	7090	<b>İRAFAM</b>			129	39
	16	87,81	1,30	315	7090					
	17	83,37	1,39	299	7090					
	20	70,97	1,73	254	7090					
	23	61,03	1,87	219	7090					
	27	51,65	2,50	185	7090					
	30	46,79	2,80	168	7090					
	33	42,55	3,10	153	7090					
	39	35,74	3,70	128	7090					
	10	87,81	0,85	490	7090	<b>İRAM</b>	<b>631 / 80 M 6b</b>		124	34
									<b>İRFM</b>	125
						<b>İRAFAM</b>			126	40
	11	127,94	0,88	459	7090	<b>İRAM</b>	<b>631 / 80 M 4a</b>		124	33
	12	119,40	0,95	428	7090				<b>İRFM</b>	125
	15	96,27	1,18	345	7090	<b>İRAFAM</b>			126	39
	16	87,81	1,30	315	7090					



P <sub>1</sub>	n <sub>2</sub>	i	S <sub>f</sub>	M <sub>2</sub>	F <sub>Qv2</sub>		Tip			
GÜÇ	Çıkış Devri	Tahvil	Servis Faktörü	Çıkış Momenti	Rad. Yük		Type			
Power	Output Speeds	Ratio	Service Factor	Output Torque	Over Loads		Typ			
Leistung	Abtriebswelle Drehzahlen	Übersetzung	Betriebsfaktor	Abtriebswelle Drehmomente	Querkräfte					
[kW] Hp	[r.p.m]			[Nm]	[N]				kg	
<b>0,55</b> 0,75	17	83,37	1,39	299	7090					
	20	70,97	1,73	254	7090					
	23	61,03	1,87	219	7090	<b>İRAM</b> <b>İRFM</b> <b>İRAFM</b>	<b>631 / 80 M 4a</b>	124	33	
	27	51,65	2,50	185	7090			125	38	
	30	46,79	2,80	168	7090			126	39	
		33	42,55	3,10	153	7090				
		39	35,74	3,70	128	7090				
	26	54,81	0,91	197	4150					
	29	48,41	1,10	174	4000					
	32	43,98	1,27	158	3950					
	36	39,09	1,40	140	3950	<b>İRAM</b> <b>İRFM</b> <b>İRAFM</b>	<b>53 / 80 M 4a</b>	121	21	
	40	34,93	1,55	125	3900			122	23	
	45	31,33	1,68	112	3900			123	24	
	50	28,21	1,90	101	3900					
	55	25,46	2,00	91	3800					
	61	23,02	2,20	83	3700					
	64	21,88	2,25	78	3700					
	81	17,18	2,35	63	3450					
	93	15,05	2,90	55	3450	<b>İRAM</b> <b>İRFM</b> <b>İRAFM</b>	<b>52 / 80 M 4a</b>	121	20	
	105	13,29	3,20	48	3400			122	22	
	119	11,81	3,60	43	3350			123	23	
	133	10,55	4,00	38	3350					
	148	9,47	4,30	34	3350					
	50	28,063	0,81	101	1620					
	53	26,193	0,87	94	1600					
	56	24,829	0,92	89	1560					
	62	22,615	0,96	81	1540					
	66	21,108	1,05	76	1500					
	70	20,009	1,15	72	1450	<b>İRAM</b> <b>İRFM</b> <b>İRAFM</b>	<b>43 / 80 M 4a</b>	118	16	
	75	18,593	1,21	67	1400			119	17	
	79	17,763	1,28	64	1400			120	17	
	85	16,450	1,36	59	1350					
	89	15,806	1,41	57	1300					
	96	14,604	1,55	52	1300					
	99	14,087	1,64	51	1290					
	108	12,995	1,73	47	1250					
	121	11,581	1,95	42	1230					
	125	11,242	1,18	41	1360					
	142	9,845	1,32	36	1310					
	161	8,672	1,50	32	1270					
	182	7,673	1,73	28	1220					
	204	6,872	2,50	25	1160					
	230	6,080	2,80	22	1110	<b>İRAM</b> <b>İRFM</b> <b>İRAFM</b>	<b>42 / 80 M 4a</b>	118	15	
	253	5,538	3,00	20	1060			119	16	
	259	5,398	3,10	20	1050			120	16	
	286	4,900	3,30	18	1020					
	291	4,803	3,50	17	940					
	322	4,350	3,70	16	910					
	327	4,280	3,90	16	880					
	370	3,780	4,20	14	860					
	406	3,449	4,70	13	810					



P <sub>1</sub>	n <sub>2</sub>	i	S <sub>f</sub>	M <sub>2</sub>	F <sub>Qv2</sub>			Tip	
GÜÇ	Çıkış Devri	Tahvil	Servis Faktörü	Çıkış Momenti	Rad. Yük			Type	
Power	Output Speeds	Ratio	Service Factor	Output Torque	Over Loads			Typ	
Leistung	Abtriebswelle Drehzahlen	Übersetzung	Betriebsfaktor	Abtriebswelle Drehmomente	Querkräfte				
[kW]	[r.p.m]			[Nm]	[N]				kg
Hp									
<b>0,75</b> 1	0,40	3469,26	0,72	16210	73000	<b>İRAM</b> <b>İRFM</b>	<b>151 İR 63 / 80 M 4b</b>	167	484
	0,55	2552,42	0,97	11926	73000			167	534
	0,67	2076,56	1,19	9703	73000				
	0,93	1509,47	1,47	7053	73000				
	0,96	1456,66	1,70	6806	73000				
	1,3	1049,16	2,13	4902	73000				
	1,6	860,38	2,64	4020	73000				
	0,62	2260	0,83	10721	55000	<b>İRAM</b> <b>İRFM</b>	<b>123 İR 72 / 80 M 4b</b>	165	339
	0,68	2044	0,93	9696	55000			166	341
	0,84	1657	1,23	7860	55000				
	0,93	1511	1,37	7168	55000				
	1,0	1357	1,53	6437	55000				
	1,1	1227	1,70	5821	55000				
	1,4	1025	2,00	4862	55000				
	1,6	902	2,30	4279	55000				
	1,8	800	2,60	3795	55000				
	2,0	715	2,90	3392	55000				
	0,68	2070	0,94	9819	55000	<b>İRAM</b> <b>İRFM</b>	<b>122 İR 73 / 80 M 4b</b>	165	333
	0,76	1849	1,03	8771	55000			166	335
	0,84	1661	1,15	7879	55000				
	0,91	1535	1,18	7282	55000				
	1,0	1362	1,18	6461	55000				
	1,1	1265	1,53	6001	55000				
	1,3	1050	1,91	4981	55000				
	1,5	932	1,91	4421	55000				
	1,7	833	1,91	3952	55000				
	1,9	748	1,91	3548	55000				
	2,0	706	1,91	3349	55000				
	2,2	634	1,91	3008	55000				
	2,4	572	1,91	2713	55000				
	2,7	518	1,91	2457	55000				
3,0	471	1,91	2234	55000					
3,3	429	1,91	2035	55000					
3,6	391	1,91	1855	55000					
3,9	358	1,91	1698	55000					
4,3	328	1,91	1556	55000					
4,7	300	1,91	1423	55000					
	1,2	1173	0,80	5564	33450	<b>İRAM</b> <b>İRFM</b>	<b>103 İR 72 / 80 M 4b</b>	163	220
	1,3	1046	0,88	4962	33450			164	223
	1,5	923	0,97	4378	33450				
	1,7	821	1,07	3895	33450				
	1,9	733	1,17	3477	33450				
	2,1	658	1,28	3121	33450				
	2,4	592	1,39	2808	33450				
	2,6	535	1,64	2538	33450				
	2,9	485	2,10	2301	33450				
	3,3	428	2,40	2030	33450				
3,7	381	2,60	1807	33450					
4,1	340	2,80	1613	33450					
	1,2	1180	0,80	5598	33450	<b>İRAM</b> <b>İRFM</b>	<b>102 İR 73 / 80 M 4b</b>	163	213
	1,3	1103	0,87	5232	33450			164	216
	1,4	986	0,87	4677	33450				



P <sub>1</sub>	n <sub>2</sub>	i	S <sub>f</sub>	M <sub>2</sub>	F <sub>Qv2</sub>		Tip		
GÜÇ	Çıkış Devri	Tahvil	Servis Faktörü	Çıkış Momenti	Rad. Yük		Type		
Power	Output Speeds	Ratio	Service Factor	Output Torque	Over Loads		Typ		
Leistung	Abtriebswelle Drehzahlen	Übersetzung	Betriebsfaktor	Abtriebswelle Drehmomente	Querkräfte				
[kW] Hp	[r.p.m]			[Nm]	[N]				kg
<b>0,75</b> 1	1,6	884	0,87	4193	33450				
	1,8	796	0,87	3776	33450	İRAM İRFM	102 İR 73 / 80 M 4b	163	213
	1,9	718	0,87	3406	33450			164	216
	2,2	650	0,87	3083	33450				
	2,4	575	0,87	2728	33450				
	2,2	648	1,03	3074	24700				
	2,6	538	1,13	2552	24700				
	2,7	527	1,27	2500	24700				
	2,9	479	1,40	2272	24700	İRAM İRFM	93 İR 62 / 80 M 4b	161	157
	3,2	436	1,53	2068	24700			162	167
3,5	398	1,67	1888	24700					
3,8	364	1,83	1727	24700					
4,2	334	2,00	1584	24700					
4,4	315	1,70	1517	24700					
5,0	278	1,93	1339	24700	İRAM İRFM	92 İR 62 / 80 M 4b	161	137	
5,7	247	2,10	1190	24700			162	147	
6,3	221	2,40	1064	24700					
3,9	359	0,85	1703	16900					
4,4	315	1,04	1494	16900					
4,9	286	1,11	1357	16900	İRAM İRFM	82 İR 63 / 80 M 4b	159	117	
5,4	261	1,17	1238	16900			160	122	
5,8	240	1,41	1138	16900					
6,4	218	1,50	1034	16900					
7,7	181	1,69	859	16900					
2,7	256,048	1,27	2504	33450					
3,1	225,112	1,88	2201	33450	İRAM İRFM	103 / 100 L 8a	142	195	
3,4	207,689	2,00	2031	33450			143	198	
3,8	184,584	2,30	1805	33450	İRAM İRFM İRAFPM		144	220	
4,2	165,496	2,60	1618	33450					
5,0	140,701	3,10	1376	33450					
3,1	293,46	1,25	2232	24700	İRAPM İRFPM	93 / 90 S 6a	192	134	
3,3	273,73	1,32	2082	24700			193	144	
3,7	240,50	1,48	1829	24700	İRAPM İRFPM İRAFPM	93 / 80 M 4b	194	154	
4,2	213,60	1,72	1625	24700					
4,8	293,46	1,95	1435	24700					
5,1	273,73	2,10	1338	24700	İRAPM İRFPM		192	131	
5,8	240,50	2,30	1176	24700			193	141	
6,6	213,60	2,70	1044	24700	İRAPM İRFPM İRAFPM		194	151	
7,3	191,38	3,00	936	24500					
8,1	172,72	3,30	844	24500					
4,1	221,16	0,88	1682	16900	İRAM İRFM	83 / 90 S 6a	136	81	
4,3	208,58	0,98	1586	16900			137	86	
4,8	186,71	1,04	1420	16900	İRAM İRFM İRAFPM		138	88	
5,3	168,34	1,13	1280	16700					
5,6	250,50	1,21	1225	17100					
6,3	221,16	1,36	1081	17050	İRAM İRFM	83 / 80 M 4b	136	78	
6,7	208,58	1,55	1020	17000			137	83	
7,5	186,71	1,61	913	17000	İRAM İRFM İRAFPM		138	85	
8,3	168,34	1,76	823	17000					
9,2	152,68	1,90	746	16900					













P <sub>1</sub>	n <sub>2</sub>	i	S <sub>f</sub>	M <sub>2</sub>	F <sub>Qv2</sub>		Tip		
GÜÇ	Çıkış Devri	Tahvil	Servis Faktörü	Çıkış Momenti	Rad. Yük		Type		
Power	Output Speeds	Ratio	Service Factor	Output Torque	Over Loads		Typ		
Leistung	Abtriebswelle Drehzahlen	Übersetzung	Betriebsfaktor	Abtriebswelle Drehmomente	Querkräfte				
[kW] Hp	[r.p.m]			[Nm]	[N]				kg
<b>0,75</b> 1	10	139,19	2,10	681	16900				
	11	127,44	2,30	623	16900	İRAM	<b>83 / 80 M 4b</b>	136	78
	12	117,12	2,50	573	16900	İRFM		137	83
	14	103,03	2,80	504	16800	İRAFM		138	85
	15	91,85	3,20	449	16800				
	6,7	133,53	0,86	1016	11200	İRAM		133	45
	8,7	103,60	1,08	788	11200	İRFM	<b>73 / 90 S 6a</b>	134	48
	9,9	91,36	1,36	695	11200	İRAFM		135	51
	9,1	154,46	1,15	755	11200				
	10	133,53	1,33	653	11200				
14	103,60	1,66	507	11200					
15	91,36	2,12	447	11200	İRAM	<b>73 / 80 M 4b</b>	133	42	
17	81,25	2,39	397	11200	İRFM		134	45	
19	72,76	2,53	356	11200	İRAFM		135	48	
21	65,52	2,60	320	11200					
24	59,41	2,90	290	11200					
27	52,47	3,30	257	11200					
30	46,63	3,70	228	11200					
12	116,652	0,91	570	9350					
14	100,847	1,05	493	9350					
16	88,933	1,18	435	9350					
18	78,425	1,33	383	9200					
20	69,746	1,53	341	9200	İRAM	<b>731 / 80 M 4b</b>	130	44	
22	62,455	1,72	305	9150	İRFM		131	47	
25	55,543	1,92	272	9100	İRAFM		132	50	
28	49,737	2,10	243	9100					
31	44,791	2,30	219	9050					
35	39,887	3,20	195	9050					
40	35,224	3,50	172	9000					
44	31,622	3,40	157	9000	İRAM		<b>721 / 80 M 4b</b>	130	44
50	28,055	3,80	139	9000	İRFM İRAFM	131 132		47 50	
15	96,27	0,86	471	7000					
16	87,81	0,95	429	7000					
17	83,37	1,01	408	7000					
20	70,97	1,27	347	7000					
23	61,03	1,37	298	7000	İRAM	<b>63 / 80 M 4b</b>	127	35	
27	51,65	1,87	253	7000	İRFM		128	40	
30	46,79	2,00	229	7000	İRAFM		129	41	
33	42,55	2,20	208	7000					
39	35,74	2,70	175	7000					
47	29,85	3,20	146	7000					
56	25,16	3,80	123	7000					
15	96,27	0,86	471	7000					
16	87,81	0,95	429	7000					
17	83,37	1,01	408	7000	İRAM	<b>631 / 80 M 4b</b>	124	35	
20	70,97	1,27	347	7000	İRFM		125	40	
23	61,03	1,37	298	7000	İRAFM		126	41	
27	51,65	1,87	253	7000					
30	46,79	2,00	229	7000					
33	42,55	2,20	208	7000					



P <sub>1</sub>	n <sub>2</sub>	i	S <sub>f</sub>	M <sub>2</sub>	F <sub>Qv2</sub>		Tip					
GÜÇ	Çıkış Devri	Tahvil	Servis Faktörü	Çıkış Momenti	Rad. Yük		Type					
Power	Output Speeds	Ratio	Service Factor	Output Torque	Over Loads		Typ					
Leistung	Abtriebswelle Drehzahlen	Übersetzung	Betriebsfaktor	Abtriebswelle Drehmomente	Querkräfte							
[kW] Hp	[r.p.m]			[Nm]	[N]				kg			
<b>0,75</b>	39	35,74	2,70	175	7000	<b>İRAM</b> <b>İRFM</b> <b>İRAFM</b>	<b>631 / 80 M 4b</b>	124	35			
	47	29,85	3,20	146	7000			125	40			
	56	25,16	3,80	123	7000			126	41			
	1	32	43,98	0,94	215	3800	<b>İRAM</b> <b>İRFM</b> <b>İRAFM</b>	<b>53 / 80 M 4b</b>	121	23		
36		39,09	1,03	191	3750	122			25			
40		34,93	1,13	171	3600	123			26			
45		31,33	1,23	153	3550							
50		28,21	1,38	138	3550							
55		25,46	1,48	124	3500							
61		23,02	1,62	113	3500							
64		21,88	1,65	107	3400							
71		19,69	1,82	96	3350							
79		17,77	2,00	87	3300							
87		16,07	2,30	79	3300							
		81	17,18	1,73	85	3300			<b>İRAM</b> <b>İRFM</b> <b>İRAFM</b>	<b>52 / 80 M 4b</b>	121	22
	93	15,05	2,10	75	3200	122	24					
	105	13,29	2,30	66	3150	123	25					
	119	11,81	2,60	59	3150							
	133	10,55	2,90	52	3100							
	148	9,47	3,15	47	3100							
	158	8,88	3,40	44	3050							
	176	7,97	3,50	40	3050							
	195	7,17	3,70	36	3000							
	216	6,47	3,90	32	3000							
	241	5,82	4,00	29	3000							
		66	21,108	0,77	103	1470	<b>İRAM</b> <b>İRFM</b> <b>İRAFM</b>	<b>43 / 80 M 4b</b>			118	17
70		20,009	0,84	98	1420	119			18			
75		18,593	0,89	91	1390	120			19			
79		17,763	0,94	87	1370							
85		16,450	1,00	80	1320							
89		15,806	1,03	77	1290							
96		14,604	1,13	71	1270							
99		14,087	1,20	69	1260							
108		12,995	1,27	64	1230							
121		11,581	1,43	57	1200							
		125	11,242	0,87	56	1320			<b>İRAM</b> <b>İRFM</b> <b>İRAFM</b>	<b>42 / 80 M 4b</b>	118	16
		142	9,845	0,97	49	1270					119	17
	161	8,672	1,10	43	1230	120	18					
	182	7,673	1,27	38	1180							
	204	6,872	1,83	34	1120							
	230	6,080	2,10	30	1070							
	253	5,538	2,20	27	1030							
	259	5,398	2,30	27	1020							
	286	4,900	2,40	24	990							
	291	4,803	2,60	24	910							
	322	4,350	2,70	22	880							
	327	4,280	2,80	21	850							
370	3,780	3,10	19	830								
406	3,449	3,40	17	800								





P <sub>1</sub>	n <sub>2</sub>	i	S <sub>f</sub>	M <sub>2</sub>	F <sub>Qv2</sub>			Tip		
GÜÇ	Çıkış Devri	Tahvil	Servis Faktörü	Çıkış Momenti	Rad. Yük			Type		
Power	Output Speeds	Ratio	Service Factor	Output Torque	Over Loads			Typ		
Leistung	Abtriebswelle Drehzahlen	Übersetzung	Betriebsfaktor	Abtriebswelle Drehmomente	Querkräfte					
[kW] Hp	[r.p.m]			[Nm]	[N]					kg
<b>1,1</b> 1,5	0,70	2005,04	0,85	13741	73000	<b>İRAM</b> <b>İRFM</b>	<b>151 İR 63 / 90 S 4a</b>			
	0,83	1690,37	0,97	11584	73000					
	0,97	1444,14	1,15	9897	73000					
	1,33	1049,16	1,47	7190	73000					
	1,63	860,38	1,82	5896	73000					
	2,00	699,98	2,11	4797	73000					
	2,97	471,36	2,25	3230	73000					
	1,73	808,20	3,73	5623	73000	<b>İRAM</b> <b>İRFM</b>	<b>151 İR 62 / 90 S 4a</b>		167	482
	0,84	1657	0,84	11528	55000	<b>İRAM</b> <b>İRFM</b>	<b>123 İR 72 / 90 S 4a</b>			
	0,93	1511	0,93	10513	55000					
	1,0	1357	1,05	9441	55000					
	1,1	1227	1,16	8537	55000					
	1,4	1025	1,38	7131	55000					
	1,6	902	1,57	6276	55000					
	1,8	800	1,78	5566	55000					
	2,0	715	1,99	4975	55000					
	2,2	642	2,20	4467	55000					
	2,4	579	2,40	4028	55000					
	2,5	551	2,50	3834	55000					
	2,9	491	2,80	3416	55000					
	0,91	1535	0,80	10680	55000	<b>İRAM</b> <b>İRFM</b>	<b>122 İR 73 / 90 S 4a</b>			
	1,0	1362	0,80	9476	55000					
	1,1	1265	1,04	8801	55000					
	1,3	1050	1,30	7305	55000					
	1,5	932	1,30	6484	55000					
	1,7	833	1,30	5796	55000					
	1,9	748	1,30	5204	55000					
	2,0	706	1,30	4912	55000					
	2,2	634	1,30	4411	55000					
	2,4	572	1,30	3980	55000					
	2,7	518	1,30	3604	55000					
	3,0	471	1,30	3277	55000					
	3,3	429	1,30	2985	55000					
	3,6	391	1,30	2720	55000					
	3,9	358	1,30	2491	55000					
	4,3	328	1,30	2282	55000					
	4,7	300	1,30	2087	55000					
	1,9	733	0,80	5100	32550	<b>İRAM</b> <b>İRFM</b>	<b>103 İR 72 / 90 S 4a</b>			
	2,1	658	0,87	4578	32550					
	2,4	592	0,95	4119	32550					
	2,6	535	1,12	3722	32550					
	2,9	485	1,43	3374	32550					
	3,3	428	1,64	2978	32550					
	3,7	381	1,77	2651	32550					
	4,1	340	1,91	2366	32550					
	4,6	305	2,10	2122	32550					
	5,1	275	2,30	1913	32550					
	5,6	248	2,70	1725	32550					
	5,9	239	2,70	1688	32550	<b>İRAM</b> <b>İRFM</b>	<b>102 İR 72 / 90 S 4a</b>		163	214
	6,6	211	3,00	1490	32550	<b>İRAM</b> <b>İRFM</b>	<b>102 İR 72 / 90 S 4a</b>		164	217



P <sub>1</sub>	n <sub>2</sub>	i	S <sub>f</sub>	M <sub>2</sub>	F <sub>Qv2</sub>		Tip			
GÜÇ	Çıkış Devri	Tahvil	Servis Faktörü	Çıkış Momenti	Rad. Yük		Type			
Power	Output Speeds	Ratio	Service Factor	Output Torque	Over Loads		Typ			
Leistung	Abtriebswelle Drehzahlen	Übersetzung	Betriebsfaktor	Abtriebswelle Drehmomente	Querkräfte					
[kW] Hp	[r.p.m]			[Nm]	[N]				kg	
<b>1,1</b>	1,9	725	1,05	5044	23500					
	2,2	648	1,14	4508	23500	<b>İRAM</b>	<b>93 İR 62 / 90 S 4a</b>	161	160	
1,5	2,6	538	1,25	3743	23500	<b>İRFM</b>			162	170
	2,7	527	1,36	3667	23500					
	4,4	315	1,16	2225	23000					
	5,0	278	1,32	1964	23000	<b>İRAM</b>	<b>92 İR 62 / 90 S 4a</b>	161	140	
	5,7	247	1,48	1745	23000	<b>İRFM</b>			162	150
	6,3	221	1,66	1561	23000					
	5,4	261	0,80	1816	16900					
	5,8	240	0,96	1670	16900	<b>İRAM</b>	<b>82 İR 63 / 90 S 4a</b>	159	120	
	6,4	218	1,02	1517	16900	<b>İRFM</b>			160	125
	7,7	181	1,15	1259	16900					
	2,7	256,048	1,17	3672	32550					
	3,1	225,112	1,28	3229	32550	<b>İRAM</b>	<b>103 / 100 L 8b</b>	142	197	
	3,4	207,689	1,39	2979	32550	<b>İRFM</b>			143	200
	3,8	184,584	1,55	2647	32550	<b>İRAFPM</b>			144	222
	4,2	165,496	1,75	2374	32550					
	5,0	140,701	2,10	2018	32550					
	3,1	293,46	0,85	3273	23500	<b>İRAPM</b>	<b>93 / 90 L 6b</b>	192	136	
	3,3	273,73	0,90	3053	23500	<b>İRFPM</b>			193	146
	3,7	240,50	1,00	2683	23000	<b>İRAFPM</b>			194	156
	4,2	213,60	1,17	2383	23000					
	4,8	293,46	1,33	2104	23500					
	5,1	273,73	1,42	1963	23500					
	5,8	240,50	1,60	1725	23500					
	6,6	213,60	1,82	1532	23000	<b>İRAPM</b>	<b>93 / 90 S 4a</b>	192	134	
	7,3	191,38	2,00	1372	23000	<b>İRFPM</b>			193	144
	8,1	172,72	2,30	1239	23000	<b>İRAFPM</b>			194	154
	8,9	156,82	2,50	1125	23000					
	11	131,17	3,00	941	22900					
	12	120,68	3,20	865	22900					
	13	110,02	3,50	789	22900					
	6,3	221,16	0,93	1586	16900					
	6,7	208,58	1,06	1496	16900					
	7,5	186,71	1,10	1339	16900					
	8,3	168,34	1,20	1207	16750					
	9,2	152,68	1,30	1095	16750					
	10	139,19	1,45	998	16750					
	11	127,44	1,60	914	16750	<b>İRAM</b>	<b>83 / 90 S 4a</b>	136	81	
	12	117,12	1,75	840	16600	<b>İRFM</b>			137	86
	14	103,03	1,95	739	16600	<b>İRAFPM</b>			138	88
	15	91,85	2,20	659	16600					
	17	82,47	2,50	591	16500					
	19	74,47	2,80	534	16500					
	21	66,18	3,10	475	16500					
	24	59,39	3,50	426	16500					
	26	53,54	3,80	384	16400					
	29	48,44	4,30	347	16400					
	10	133,53	0,90	958	10500	<b>İRAM</b>	<b>73 / 90 S 4a</b>	133	45	
	14	103,60	1,13	743	10500	<b>İRFM</b>			134	48
	15	91,36	1,44	655	10500	<b>İRAFPM</b>			135	51



P <sub>1</sub>	n <sub>2</sub>	i	S <sub>f</sub>	M <sub>2</sub>	F <sub>Qv2</sub>		Tip		
GÜÇ	Çıkış Devri	Tahvil	Servis Faktörü	Çıkış Momenti	Rad. Yük		Type		
Power	Output Speeds	Ratio	Service Factor	Output Torque	Over Loads		Typ		
Leistung	Abtriebswelle Drehzahlen	Übersetzung	Betriebsfaktor	Abtriebswelle Drehmomente	Querkräfte				
[kW]	[r.p.m]			[Nm]	[N]				kg
Hp									
1,1 1,5	17	81,25	1,63	583	10500				
	19	72,76	1,72	522	10500	İRAM İRFM İRAFM	73 / 90 S 4a	133	45
	21	65,52	1,80	470	10500			134	48
	24	59,41	1,97	426	10500			135	51
	27	52,47	2,26	376	10500				
	30	46,63	2,52	334	10500				
	16	88,933	0,80	638	9250				
	18	78,425	0,90	562	9100				
	20	69,746	1,04	500	9100				
	22	62,455	1,17	448	9050				
	25	55,543	1,31	398	9000				
	28	49,737	1,44	357	9000	İRAM İRFM İRAFM	731 / 90 S 4a	130	47
	31	44,791	1,61	321	8950			131	50
	35	39,887	2,20	286	8950			132	53
	40	35,224	2,40	253	8900				
45	31,308	2,60	225	8900					
50	27,971	2,90	201	8800					
56	25,095	3,20	180	8800					
62	22,590	3,50	162	8700					
44	31,622	2,30	230	8900	İRAM İRFM İRAFM	721 / C80 M 4	130	40	
50	28,055	2,60	204	8800			131	43	
							132	46	
58	24,254	3,00	177	8800	İRAM İRFM İRAFM	721 / 90 S 4a	130	45	
							131	48	
							132	51	
20	70,97	0,87	509	6500					
23	61,03	0,93	438	6500					
27	51,65	1,27	370	6500					
30	46,79	1,40	336	6500					
33	42,55	1,55	305	6500	İRAM İRFM İRAFM	63 / 90 S 4a	127	38	
39	35,74	1,85	256	6500			128	43	
47	29,85	2,20	214	6500			129	44	
56	25,16	2,60	180	6500					
65	21,50	3,00	154	6500					
68	20,53	3,20	147	6500					
77	18,18	3,60	130	6500					
20	70,97	0,87	509	6500					
23	61,03	0,93	438	6500					
27	51,65	1,27	370	6500					
30	46,79	1,40	336	6500					
33	42,55	1,55	305	6500	İRAM İRFM İRAFM	631 / 90 S 4a	124	38	
39	35,74	1,85	256	6500			125	43	
47	29,85	2,20	214	6500			126	44	
56	25,16	2,60	180	6500					
65	21,50	3,00	154	6500					
68	20,53	3,20	147	6500					
77	18,18	3,60	130	6500					
93	15,130	3,70	110	6300	İRAM İRFM İRAFM	62 / 90 S 4a	127	33	
104	13,475	4,20	98	6300			128	38	
115	12,206	4,40	89	6300			129	39	



P <sub>1</sub>	n <sub>2</sub>	i	S <sub>f</sub>	M <sub>2</sub>	F <sub>Qv2</sub>	Tip				
GÜÇ	Çıkış Devri	Tahvil	Servis Faktörü	Çıkış Momenti	Rad. Yük	Type				
Power	Output Speeds	Ratio	Service Factor	Output Torque	Over Loads	Typ				
Leistung	Abtriebswelle Drehzahlen	Übersetzung	Betriebsfaktor	Abtriebswelle Drehmomente	Querkräfte					
[kW] Hp	[r.p.m]			[Nm]	[N]			kg		
1,1 1,5	93	15,130	3,70	110	6300	İRAM İRFM İRAFM	621 / 90 S 4a	124	33	
	104	13,475	4,20	98	6300			125	38	
	115	12,206	4,40	89	6300			126	39	
		45	31,33	0,84	225	3400	İRAM İRFM İRAFM	53 / 90 S 4a	121	26
		50	28,21	0,95	202	3300			122	28
		55	25,46	1,00	183	3300			123	29
		61	23,02	1,11	165	3250				
		64	21,88	1,12	157	3250				
		71	19,69	1,24	141	3200				
		79	17,77	1,38	127	3100				
	87	16,07	1,55	115	3050					
	81	17,18	1,18	125	3050	İRAM İRFM İRAFM	52 / C80 M 4	121	20	
	93	15,05	1,45	110	3050			122	22	
								123	23	
	105	13,29	1,61	97	3000	İRAM İRFM İRAFM	52 / 90 S 4a	121	25	
	119	11,81	1,81	86	3000			122	27	
	133	10,55	2,00	77	3000			123	28	
	148	9,47	2,15	69	2900					
	158	8,88	2,30	65	2800					
	176	7,97	2,40	58	2650					
	195	7,17	2,50	52	2600					
	216	6,47	2,60	47	2600					
	241	5,82	2,70	42	2550					
	267	5,25	2,80	38	2500					
	278	5,03	2,90	37	2500					
	310	4,51	3,20	33	2450					
	345	4,06	3,40	30	2400					
	383	3,66	3,60	27	2400					
	96	14,604	0,77	105	1200	İRAM İRFM İRAFM	43 / 90 S 4a	118	21	
	99	14,087	0,82	101	1180			119	22	
	108	12,995	0,86	93	1150			120	22	
	121	11,581	0,98	83	1100					
	182	7,673	0,86	56	1050	İRAM İRFM İRAFM	42 / 90 S 4a	118	20	
	204	6,872	1,25	50	1030			119	21	
	230	6,080	1,40	44	1000			120	21	
	253	5,538	1,50	40	1000					
	259	5,398	1,55	39	960					
	286	4,900	1,65	36	930					
	291	4,803	1,75	35	890					
	322	4,350	1,85	32	860					
	327	4,280	1,95	31	830					
	370	3,780	2,10	28	800					
	406	3,449	2,30	25	770					
1,5 2	0,93	1509,47	0,80	14106	73000	İRAM İRFM	151 İR 63 / 90 L 4a	167	489	
	1,09	1289,59	0,95	12051	73000			167	539	
	1,45	963,50	1,20	9004	73000					
	1,73	808,20	1,55	7553	73000					
	2,10	665,88	1,83	6223	73000					
	2,45	571,65	2,17	5342	73000					
	2,86	489,45	2,87	4574	73000					



P <sub>1</sub>	n <sub>2</sub>	i	S <sub>f</sub>	M <sub>2</sub>	F <sub>Qv2</sub>						
GÜÇ	Çıkış Devri	Tahvil	Servis Faktörü	Çıkış Momenti	Rad. Yük	Tip					
Power	Output Speeds	Ratio	Service Factor	Output Torque	Over Loads	Type					
Leistung	Abtriebswelle Drehzahlen	Übersetzung	Betriebsfaktor	Abtriebswelle Drehmomente	Querkräfte	Typ					
[kW] Hp	[r.p.m]			[Nm]	[N]						
<b>1,5</b> 2	1,1	1227	0,85	11641	55000						
	1,4	1025	1,02	9725	55000						
	1,6	902	1,15	8558	55000						
	1,8	800	1,30	7590	55000						
	2,0	715	1,46	6783	55000						
	2,2	642	1,61	6091	55000	<b>İRAM</b>	<b>123 İR 72 / 90 L 4a</b>	165	342		
	2,4	579	1,76	5493	55000	<b>İRFM</b>		166	344		
	2,5	551	1,83	5228	55000						
	2,9	491	2,00	4658	55000						
	3,2	436	2,30	4137	55000						
	3,6	388	2,50	3681	55000						
	4,0	348	2,80	3302	55000						
		1,3	1050	0,95	9962	55000					
		1,5	932	0,95	8842	55000					
		1,7	833	0,95	7903	55000					
		1,9	748	0,95	7097	55000					
	2,0	706	0,95	6698	55000						
	2,2	634	0,95	6015	55000						
	2,4	572	0,95	5427	55000	<b>İRAM</b>		<b>122 İR 73 / 90 L 4a</b>	165	338	
	2,7	518	0,95	4914	55000	<b>İRFM</b>			166	340	
	3,0	471	0,95	4469	55000						
	3,3	429	0,95	4070	55000						
	3,6	391	0,95	3710	55000						
	3,9	358	0,95	3396	55000						
	4,3	328	0,95	3112	55000						
	4,7	300	0,95	2846	55000						
	2,6	535	0,82	5076	31000						
	2,9	485	1,05	4601	31000						
	3,3	428	1,20	4061	31000						
	3,7	381	1,30	3615	31000	<b>İRAM</b>	<b>103 İR 72 / 90 L 4a</b>	163	223		
	4,1	340	1,40	3226	31000	<b>İRFM</b>		164	226		
	4,6	305	1,55	2894	31000						
	5,1	275	1,70	2609	31000						
	5,6	248	2,00	2353	31000						
	5,9	239	2,00	2302	31000						
	6,6	211	2,20	2032	31000	<b>İRAM</b>		<b>102 İR 72 / 90 L 4a</b>	163	216	
	7,4	188	2,40	1811	31000	<b>İRFM</b>			164	219	
	8,3	168	2,70	1618	31000						
	3,8	364	0,92	3453	23100	<b>İRAM</b>	<b>93 İR 62 / 90 L 4a</b>	161	157		
	4,2	334	1,00	3169	23100	<b>İRFM</b>		162	167		
	4,4	315	0,85	3034	22700						
	5,0	278	0,97	2678	22700	<b>İRAM</b>	<b>92 İR 62 / 90 L 4a</b>	161	137		
	5,7	247	1,08	2379	22700	<b>İRFM</b>		162	147		
	6,3	221	1,22	2129	22700						
	2,7	256,048	0,86	5008	31000						
	3,1	225,112	0,94	4403	31000	<b>İRAM</b>	<b>103 / 112 M 8a</b>	142	205		
	3,4	207,689	1,02	4062	31000	<b>İRFM</b>		143	208		
	3,8	184,584	1,14	3610	31000	<b>İRAFAM</b>		144	230		
	4,2	165,496	1,28	3237	31000						
	5,0	140,701	1,55	2752	31000						



P <sub>1</sub>	n <sub>2</sub>	i	S <sub>f</sub>	M <sub>2</sub>	F <sub>Qv2</sub>		Tip			
GÜÇ	Çıkış Devri	Tahvil	Servis Faktörü	Çıkış Momenti	Rad. Yük		Type			
Power	Output Speeds	Ratio	Service Factor	Output Torque	Over Loads		Typ			
Leistung	Abtriebswelle Drehzahlen	Übersetzung	Betriebsfaktor	Abtriebswelle Drehmomente	Querkräfte					
[kW] Hp	[r.p.m]			[Nm]	[N]				kg	
<b>1,5</b> 2	3,5	256,048	1,09	3895	31000					
	4,0	225,112	1,19	3424	31000					
	4,3	207,689	1,31	3159	31000	<b>İRAM</b>	<b>103 / 100 L 6a</b>	142	196	
	4,9	184,584	1,47	2808	31000	<b>İRFM</b>		143	199	
	5,4	165,496	1,64	2517	31000	<b>İRAFAM</b>		144	221	
	6,4	140,701	2,00	2140	31000					
	7,1	126,151	2,20	1919	31000					
4,8	293,46	0,97	2870	23100						
5,1	273,73	1,04	2677	23100						
2	5,8	240,50	1,17	2352	23100					
	6,6	213,60	1,34	2089	22800					
	7,3	191,38	1,50	1871	22800	<b>İRAPM</b>	<b>93 / 90 L 4a</b>	192	136	
	8,1	172,72	1,65	1689	22800	<b>İRFPM</b>		193	146	
	8,9	156,82	1,82	1533	22800	<b>İRAFPM</b>		194	156	
	11	131,17	2,18	1283	22700					
	12	120,68	2,35	1180	22700					
	13	110,02	2,60	1076	22700					
	14	96,96	2,93	948	22700					
	16	86,16	3,30	843	22700					
8,3	168,34	0,88	1646	16700						
9,2	152,68	0,95	1493	16700						
2	10	139,19	1,06	1361	16700					
	11	127,44	1,17	1246	16500					
	12	117,12	1,28	1145	16500					
	14	103,03	1,43	1007	16300					
	15	91,85	1,60	898	16300	<b>İRAM</b>	<b>83 / 90 L 4a</b>	136	83	
	17	82,47	1,83	806	16300	<b>İRFM</b>		137	88	
	19	74,47	2,00	728	16300	<b>İRAFAM</b>		138	90	
	21	66,18	2,20	647	16250					
	24	59,39	2,50	581	16250					
	26	53,54	2,80	524	16250					
	29	48,44	3,10	474	16200					
	30	45,93	3,20	449	16200					
	34	41,22	3,60	403	16200					
	38	37,16	4,00	363	16200					
15	91,36	1,06	893	10000						
17	81,25	1,19	795	10000						
19	72,76	1,26	711	10000						
21	65,52	1,32	641	10000						
24	59,41	1,45	581	10000						
27	52,47	1,66	513	10000	<b>İRAM</b>	<b>73 / 90 L 4a</b>	133	47		
30	46,63	1,85	456	10000	<b>İRFM</b>		134	50		
34	41,66	2,05	407	10000	<b>İRAFAM</b>		135	53		
37	37,38	2,30	366	10000						
45	31,16	2,60	305	10000						
50	27,84	2,99	272	10000						
56	24,97	3,10	244	10000						
62	22,48	3,63	220	10000						
22	62,455	0,86	611	8950						
2	25	55,543	0,96	543	8900	<b>İRAM</b>	<b>731 / 90 L 4a</b>	130	49	
	28	49,737	1,06	486	8900	<b>İRFM</b>		131	52	
	31	44,791	1,18	438	8850	<b>İRAFAM</b>		132	55	



P <sub>1</sub>	n <sub>2</sub>	i	S <sub>f</sub>	M <sub>2</sub>	F <sub>Qv2</sub>		Tip			
GÜÇ	Çıkış Devri	Tahvil	Servis Faktörü	Çıkış Momenti	Rad. Yük		Type			
Power	Output Speeds	Ratio	Service Factor	Output Torque	Over Loads		Typ			
Leistung	Abtriebswelle Drehzahlen	Übersetzung	Betriebsfaktor	Abtriebswelle Drehmomente	Querkräfte					
[kW] Hp	[r.p.m]			[Nm]	[N]				kg	
1,5 2	35	39,887	1,61	390	8850					
	40	35,224	1,76	344	8800	İRAM İRFM İRAFM	731 / 90 L 4a	130	49	
	45	31,308	1,90	306	8800			131	52	
	50	27,971	2,10	274	8700			132	55	
		56	25,095	2,30	245	8700				
		62	22,590	2,50	221	8600				
		58	24,254	2,20	241	8700	İRAM İRFM İRAFM	721 / 90 L 4a	130	47
		65	21,388	2,50	212	8600			131	50
									132	53
		27	51,65	0,94	505	5400				
		30	46,79	1,02	458	5400				
		33	42,55	1,13	416	5400				
		39	35,74	1,35	349	5400				
		47	29,85	1,61	292	5400	İRAM İRFM İRAFM	63 / 90 L 4a	127	40
	56	25,16	1,90	246	5400	128			45	
	65	21,50	2,20	210	5400	129			46	
	68	20,53	2,30	201	5400					
	77	18,18	2,60	178	5400					
	90	15,59	2,90	152	5400					
	101	13,81	3,30	135	5400					
	27	51,65	0,94	505	5400					
	30	46,79	1,02	458	5400					
	33	42,55	1,13	416	5400					
	39	35,74	1,35	349	5400					
	47	29,85	1,61	292	5400	İRAM İRFM İRAFM	631 / 90 L 4a	124	40	
	56	25,16	1,90	246	5400			125	45	
	65	21,50	2,20	210	5400			126	46	
	68	20,53	2,30	201	5400					
	77	18,18	2,60	178	5400					
	90	15,59	2,90	152	5400					
	101	13,81	3,30	135	5400					
	93	15,130	2,70	150	5200					
	104	13,475	3,10	134	5200					
	115	12,200	3,20	121	5200					
	126	11,102	3,50	110	5200	İRAM İRFM İRAFM	62 / 90 L 4a	127	35	
	139	10,074	3,80	100	5200			128	40	
	150	9,350	3,60	93	5200			129	41	
	165	8,510	3,80	84	5200					
	182	7,673	4,00	76	5200					
	197	7,100	4,20	70	5200					
	93	15,130	2,70	150	5200					
	104	13,48	3,10	134	5200					
	115	12,20	3,20	121	5200					
	126	11,10	3,50	110	5200	İRAM İRFM İRAFM	621 / 90 L 4a	124	35	
	139	10,07	3,80	100	5200			125	40	
	150	9,35	3,60	93	5200			126	41	
	165	8,51	3,80	84	5200					
	182	7,67	4,00	76	5200					
	197	7,10	4,20	70	5200					



P <sub>1</sub>	n <sub>2</sub>	i	S <sub>f</sub>	M <sub>2</sub>	F <sub>Qv2</sub>		Tip		
GÜÇ	Çıkış Devri	Tahvil	Servis Faktörü	Çıkış Momenti	Rad. Yük		Type		
Power	Output Speeds	Ratio	Service Factor	Output Torque	Over Loads		Typ		
Leistung	Abtriebswelle Drehzahlen	Übersetzung	Betriebsfaktor	Abtriebswelle Drehmomente	Querkräfte				
[kW]	[r.p.m]			[Nm]	[N]				kg
Hp									
1,5	64	21,88	0,82	214	2950	İRAM İRFM İRAFM	53 / 90 L 4a	121	28
	71	19,69	0,91	193	2900			122	30
2	79	17,77	1,00	174	2900	İRAM İRFM İRAFM	53 / 90 L 4a	123	31
	87	16,07	1,13	157	2800				
	105	13,29	1,18	132	2750				
	119	11,81	1,33	117	2700				
	133	10,55	1,46	105	2650				
	148	9,47	1,58	94	2600				
	158	8,88	1,72	88	2550				
	176	7,97	1,76	79	2550				
	195	7,17	1,83	71	2550				
	216	6,47	1,96	64	2500	İRAM İRFM İRAFM	52 / 90 L 4a	121	27
	241	5,82	2,00	58	2400			122	29
	267	5,25	2,10	52	2350			123	30
	278	5,03	2,15	50	2350				
	310	4,51	2,30	45	2250				
	345	4,06	2,50	40	2200				
	383	3,66	2,70	36	2150				
	423	3,31	2,90	33	2150				
	459	3,05	2,80	30	2150				
	483	2,90	4,10	29	2150				
	545	2,57	4,10	26	2150				
	296	9,47	3,10	47	2350				
	315	8,88	3,10	44	2350				
	351	7,97	3,10	40	2200	İRAM İRFM İRAFM	52 / 90 S 2a	121	25
	391	7,17	3,20	36	2200			122	27
	433	6,47	3,50	32	2150			123	28
	481	5,82	3,50	29	2100				
	533	5,25	3,70	26	2000				
	557	5,03	4,00	25	1900				
	621	4,51	4,40	22	1750				
	204	6,872	0,92	68	1000	İRAM İRFM İRAFM	42 / 90 L 4a	118	22
	230	6,080	1,03	60	970			119	23
	253	5,538	1,10	55	970			120	23
	259	5,398	1,14	54	930				
	286	4,900	1,21	49	900				
	291	4,803	1,28	48	860				
	322	4,350	1,35	43	830				
	327	4,280	1,43	42	800				
	370	3,780	1,54	38	770				
	406	3,449	1,72	34	750				
2,2	1,4	1012,06	0,85	13871	73000	İRAM İRFM	151 İR 73 / 100 L 4a	168	498
	1,9	735,26	1,18	10078	73000			168	548
3	2,4	586,63	1,47	8163	73000	İRAM İRFM	151 İR 72 / 100 L 4a	168	496
	2,9	485,57	1,98	6757	73000			168	546
	3,2	436,68	2,20	6076	73000				
	3,9	359,13	2,67	4997	73000				
	4,6	306,48	3,20	4265	73000				
	1,8	800	0,89	11132	55000	İRAM İRFM	123 İR 72 / 100 L 4a	165	346
	2,0	715	0,99	9949	55000			166	348
	2,2	642	1,10	8933	55000				







P <sub>1</sub>	n <sub>2</sub>	i	S <sub>f</sub>	M <sub>2</sub>	F <sub>Qv2</sub>	Tip		kg	
GÜÇ	Çıkış Devri	Tahvil	Servis Faktörü	Çıkış Momenti	Rad. Yük	Type		kg	
Power	Output Speeds	Ratio	Service Factor	Output Torque	Over Loads	Typ		kg	
Leistung	Abtriebswelle Drehzahlen	Übersetzung	Betriebsfaktor	Abtriebswelle Drehmomente	Querkräfte				
[kW] Hp	[r.p.m]			[Nm]	[N]				
2,2 3	2,4	579	1,20	8057	55000	İRAM İRFM	123 İR 72 / 100 L 4a	165	346
	2,5	551	1,25	7667	55000			166	348
	2,9	491	1,40	6832	55000				
	3,2	436	1,60	6067	55000				
	3,6	388	1,75	5399	55000				
	4,0	348	1,95	4842	55000				
	4,5	314	2,10	4369	55000				
	4,9	285	2,40	3966	55000				
	5,4	259	2,60	3604	55000				
	5,9	236	2,90	3284	55000				
6,5	215	3,20	2992	55000					
	3,3	428	0,82	5956	30700	İRAM İRFM	103 İR 72 / 100 L 4a	163	227
	3,7	381	0,89	5302	30700			164	230
	4,1	340	0,95	4731	30700				
	4,6	305	1,05	4244	30700				
	5,1	275	1,16	3827	30700				
	5,6	248	1,36	3451	30700				
	5,9	239	1,36	3376	30700	İRAM İRFM	102 İR 72 / 100 L 4a	163	220
	6,6	211	1,50	2981	30700			164	223
	7,4	188	1,67	2656	30700				
	8,3	168	1,84	2373	30700				
	3,3	209,172	1,36	6000	55000	İRAPM İRFPM İRAFPM	123 / 132 S 8b	198	341
								199	343
								200	371
	3,8	186,123	1,54	5339	55000	İRAM İRFM İRAFPM	123 / 132 S 8b	145	337
	4,2	167,082	1,72	4793	55000			146	339
	4,6	151,088	1,90	4334	55000			147	367
	5,7	122,480	2,50	3513	55000				
	6,3	111,746	2,60	3205	55000				
	7,0	100,314	3,00	2877	50000				
	7,7	90,712	3,30	2602	50000				
	9,2	75,766	3,80	2173	50000				
	3,5	256,048	0,74	5712	30700	İRAM İRFM İRAFPM	103 / 112 M 6a	142	204
	4,0	225,112	0,81	5022	30700			143	207
	4,3	207,689	0,89	4633	30700			144	229
	4,9	184,584	1,00	4118	30700				
	5,4	165,496	1,12	3692	30700				
	6,4	140,701	1,36	3139	30700				
	7,1	126,151	1,50	2814	30700				
	5,5	256,048	1,17	3672	30700	İRAM İRFM İRAFPM	103 / 100 L 4a	142	195
	6,2	225,112	1,27	3229	30700			143	198
	6,7	207,689	1,38	2979	30700			144	220
	7,6	184,584	1,56	2647	30700				
	8,5	165,496	1,74	2374	30700				
	10	140,701	2,10	2018	30550				
	11	126,151	2,30	1809	30550				
	12	113,930	2,60	1634	30550				
	14	103,519	2,80	1485	30550				
	15	94,544	3,10	1356	30550				
	16	86,727	3,30	1244	30550				
	18	77,321	3,70	1109	30400				





P <sub>1</sub>	n <sub>2</sub>	i	S <sub>f</sub>	M <sub>2</sub>	F <sub>Qv2</sub>	Tip						
GÜÇ	Çıkış Devri	Tahvil	Servis Faktörü	Çıkış Momenti	Rad. Yük	Type	kg					
Power	Output Speeds	Ratio	Service Factor	Output Torque	Over Loads	Typ						
Leistung	Abtriebswelle Drehzahlen	Übersetzung	Betriebsfaktor	Abtriebswelle Drehmomente	Querkräfte							
[kW] Hp	[r.p.m]			[Nm]	[N]							
<b>2,2</b> 3	5,8	240,50	0,80	3449	22500	<b>İRAM</b> <b>İRFM</b> <b>İRAFM</b>	<b>93 / 100 L 4a</b>	139 137				
	6,6	213,60	0,91	3063	22500							
	7,3	191,38	1,02	2745	22500							
	8,1	172,72	1,12	2477	22500							
	8,9	156,82	1,24	2249	22500							
	11	131,17	1,48	1881	22500							
	12	120,68	1,60	1731	22500							
	13	110,02	1,77	1578	22500							
	14	96,96	2,00	1391	22500							
	16	86,16	2,30	1236	22400							
	18	77,10	2,50	1106	22400							
	20	68,65	2,70	985	22400							
	23	60,50	3,00	868	22400							
	26	53,76	3,60	771	22250							
	29	48,11	4,00	690	22250							
	32	43,29	4,50	621	22250							
		11	127,44	0,80	1828				16100	<b>İRAM</b> <b>İRFM</b> <b>İRAFM</b>	<b>83 / 100 L 4a</b>	136 87
		12	117,12	0,87	1680				16100			
		14	103,03	0,97	1478				16100			
		15	91,85	1,10	1317				16100			
	17	82,47	1,25	1183	16050							
	19	74,47	1,40	1068	16050							
	21	66,18	1,55	949	16050							
	24	59,39	1,75	852	16000							
	26	53,54	1,90	768	16000							
	29	48,44	2,10	695	16000							
	30	45,93	2,20	659	15900							
	34	41,22	2,50	591	15900							
	38	37,16	2,70	533	15850							
	42	33,62	3,20	482	15800							
	47	30,08	3,50	431	15750							
	52	27,12	3,80	389	15500							
	57	24,54	4,20	352	15300							
	63	22,27	4,60	319	15100							
	17	81,25	0,81	1165	9700	<b>İRAM</b> <b>İRFM</b> <b>İRAFM</b>	<b>73 / 100 L 4a</b>	133 51				
	19	72,76	0,86	1044	9700							
	21	65,52	0,90	940	9700							
	24	59,41	0,99	852	9700							
	27	52,47	1,13	753	9700							
	30	46,63	1,26	669	9700							
	34	41,66	1,40	597	9700							
	37	37,38	1,56	536	9700							
	45	31,16	1,77	447	9700							
	50	27,84	1,98	399	9700							
	56	24,97	2,11	358	9700							
	62	22,48	2,47	322	9700							
	69	20,29	2,72	291	9700							
	76	18,35	2,93	263	9700							
	84	16,62	3,20	238	9700							
	93	15,06	3,90	216	9700							



P <sub>1</sub>	n <sub>2</sub>	i	S <sub>f</sub>	M <sub>2</sub>	F <sub>Qv2</sub>	Tip				
GÜÇ	Çıkış Devri	Tahvil	Servis Faktörü	Çıkış Momenti	Rad. Yük	Type				
Power	Output Speeds	Ratio	Service Factor	Output Torque	Over Loads	Typ				
Leistung	Abtriebswelle Drehzahlen	Übersetzung	Betriebsfaktor	Abtriebswelle Drehmomente	Querkräfte					
[kW] Hp	[r.p.m]			[Nm]	[N]			kg		
<b>2,2</b> <b>3</b>	103	13,53	3,70	197	9350	<b>İRAM</b> <b>İRFM</b> <b>İRAFM</b>	<b>72 / 100 L 4a</b>	133	49	
								134	52	
								135	55	
		31	44,791	0,80	642	8650				
		35	39,887	1,10	572	8650				
		40	35,224	1,20	505	8600	<b>İRAM</b> <b>İRFM</b> <b>İRAFM</b>	<b>731 / 100 L 4a</b>	130	53
		45	31,308	1,30	449	8600			131	56
		50	27,971	1,45	401	8500			132	59
		56	25,095	1,60	360	8500				
		62	22,590	1,75	324	8400				
		58	24,254	1,50	353	8500	<b>İRAM</b> <b>İRFM</b> <b>İRAFM</b>	<b>721 / C90 L 4</b>	130	47
						131			50	
						132			53	
		65	21,388	1,70	311	8400				
		74	19,021	1,90	277	8350				
		82	17,033	2,10	248	8300	<b>İRAM</b> <b>İRFM</b> <b>İRAFM</b>	<b>721 / 100 L 4a</b>	130	51
		91	15,339	2,30	223	8300			131	54
		102	13,731	2,40	200	8200			132	57
		115	12,126	2,80	177	8200				
		125	11,172	2,90	163	8200				
		142	9,866	3,30	144	8100				
		39	35,74	0,92	513	4550				
		47	29,85	1,10	428	4550				
		56	25,16	1,30	361	4550	<b>İRAM</b> <b>İRFM</b> <b>İRAFM</b>	<b>63 / 100 L 4a</b>	127	44
	65	21,50	1,52	308	4550	128			49	
	68	20,53	1,60	294	4550	129			50	
	77	18,18	1,80	261	4550					
	90	15,59	2,00	224	4550					
	101	13,81	2,30	198	4550					
	39	35,74	0,92	513	4550					
	47	29,85	1,10	428	4550					
	56	25,16	1,30	361	4550	<b>İRAM</b> <b>İRFM</b> <b>İRAFM</b>	<b>631 / 100 L 4a</b>	124	44	
	65	21,50	1,52	308	4550			125	49	
	68	20,53	1,60	294	4550			126	50	
	77	18,18	1,80	261	4550					
	90	15,59	2,00	224	4550					
	101	13,81	2,30	198	4550					
	93	15,13	1,87	220	4150	<b>İRAM</b> <b>İRFM</b> <b>İRAFM</b>	<b>62 / C90 L 4</b>	127	35	
					128			40		
					129			41		
	104	13,48	2,10	196	4150					
	115	12,20	2,20	178	4150					
	126	11,10	2,40	162	4150					
	139	10,07	2,60	147	4150	<b>İRAM</b> <b>İRFM</b> <b>İRAFM</b>	<b>62 / 100 L 4a</b>	127	39	
	150	9,35	2,50	136	4150			128	44	
	165	8,51	2,60	124	4150			129	45	
	182	7,67	2,70	112	4150					
	197	7,10	2,90	103	4150					
	216	6,48	3,00	94	4150					
	234	5,99	3,20	87	4150					



P <sub>1</sub>	n <sub>2</sub>	i	S <sub>f</sub>	M <sub>2</sub>	F <sub>Qv2</sub>	Tip				
GÜÇ	Çıkış Devri	Tahvil	Servis Faktörü	Çıkış Momenti	Rad. Yük	Type				
Power	Output Speeds	Ratio	Service Factor	Output Torque	Over Loads	Typ				
Leistung	Abtriebswelle Drehzahlen	Übersetzung	Betriebsfaktor	Abtriebswelle Drehmomente	Querkräfte					
[kW] Hp	[r.p.m]			[Nm]	[N]			kg		
<b>2,2</b> 3	93	15,13	1,87	220	4150	<b>İRAM</b> <b>İRFM</b> <b>İRAFM</b>	<b>621 / C90 L 4</b>	124	35	
								125	40	
								126	41	
		104	13,48	2,10	196	4150	<b>İRAM</b> <b>İRFM</b> <b>İRAFM</b>	<b>621 / 100 L 4a</b>	124	39
		115	12,20	2,20	178	4150			125	44
		126	11,10	2,40	162	4150			126	45
		139	10,07	2,60	147	4150				
		150	9,35	2,50	136	4150				
		165	8,51	2,60	124	4150				
		182	7,67	2,70	112	4150				
		197	7,10	2,90	103	4150				
		216	6,48	3,00	94	4150				
		234	5,99	3,20	87	4150				
		105	13,29	0,80	194	2350	<b>İRAM</b> <b>İRFM</b> <b>İRAFM</b>	<b>52 / C90 L 4</b>	121	27
		119	11,81	0,91	172	2250			122	29
									123	30
		133	10,55	1,00	154	2150	<b>İRAM</b> <b>İRFM</b> <b>İRAFM</b>	<b>52 / 100 L 4a</b>		
		148	9,47	1,08	138	2100				
		158	8,88	1,17	129	2100				
		176	7,97	1,20	116	2100				
		195	7,17	1,25	104	2100				
		216	6,47	1,33	94	2050				
		241	5,82	1,36	85	2050				
		267	5,25	1,43	76	2050				
		278	5,03	1,46	73	2050				
		310	4,51	1,60	66	2050				
		345	4,06	1,73	59	2000				
		383	3,66	1,84	53	2000				
	423	3,31	1,97	48	2000					
	459	3,05	1,95	44	2000					
	483	2,90	2,00	42	2000					
	545	2,57	2,20	37	2000					
	265	10,55	2,00	77	2050	<b>İRAM</b> <b>İRFM</b> <b>İRAFM</b>	<b>52 / 90 L 2a</b>			
	296	9,47	2,10	69	2050					
	315	8,88	2,10	65	2000					
	351	7,97	2,10	58	1950					
	391	7,17	2,20	52	1900					
	433	6,47	2,30	47	1850					
	481	5,82	2,30	42	1850					
	533	5,25	2,50	38	1800					
	557	5,03	2,70	37	1800					
	621	4,51	3,00	33	1700					
	690	4,06	3,10	30	1600					
	765	3,66	3,30	27	1550					
	846	3,31	3,50	24	1500					
<b>3</b> 4	1,73	807,34	0,78	15319	73000			<b>İRAM</b> <b>İRFM</b>	<b>151 İR 72 / 100 L 4b</b>	168
	1,87	747,36	0,86	14181	73000	168	549			
	2,39	586,53	1,08	11129	73000					
	2,88	485,49	1,47	9212	73000					



P <sub>1</sub>	n <sub>2</sub>	i	S <sub>f</sub>	M <sub>2</sub>	F <sub>Qv2</sub>		Tip			
GÜÇ	Çıkış Devri	Tahvil	Servis Faktörü	Çıkış Momenti	Rad. Yük		Type			
Power	Output Speeds	Ratio	Service Factor	Output Torque	Over Loads		Typ			
Leistung	Abtriebswelle Drehzahlen	Übersetzung	Betriebsfaktor	Abtriebswelle Drehmomente	Querkräfte					
[kW] Hp	[r.p.m]			[Nm]	[N]				kg	
<b>3</b>	3,47	403,65	1,53	7659	73000					
	3,72	376,84	1,91	7150	73000	<b>İRAM</b>	<b>151 İR 72 / 100 L 4b</b>	168	499	
4	5,02	278,72	2,55	5289	73000	<b>İRFM</b>			168	549
	5,73	244,45	2,97	4638	73000					
	2,5	551	0,92	10455	55000					
	2,9	491	1,03	9317	55000					
	3,2	436	1,17	8273	55000					
	3,6	388	1,28	7362	55000					
	4,0	348	1,43	6603	55000	<b>İRAM</b>	<b>123 İR 72 / 100 L 4b</b>	165	349	
	4,5	314	1,57	5958	55000	<b>İRFM</b>			166	351
	4,9	285	1,76	5408	55000					
	5,4	259	1,94	4914	55000					
	5,9	236	2,10	4478	55000					
	6,5	215	2,30	4080	55000					
	5,1	275	0,87	5218	30000					
	5,6	248	1,02	4706	30000					
	5,9	239	1,02	4535	30000	<b>İRAM</b>	<b>103 İR 72 / 100 L 4b</b>	163	230	
	6,6	211	1,12	4004	30000	<b>İRFM</b>			164	233
	7,4	188	1,25	3567	30000					
	8,3	168	1,38	3188	30000					
	3,3	209,172	1,00	8182	50000	<b>İRAPM</b>	<b>123 / 132 M 8a</b>	198	350	
						<b>İRFPM</b>			199	352
						<b>İRAFPM</b>			200	380
	3,8	186,123	1,13	7280	50000					
	4,2	167,082	1,26	6535	50000	<b>İRAM</b>	<b>123 / 132 M 8a</b>	145	346	
	4,6	151,088	1,39	5910	50000	<b>İRFM</b>			146	348
	5,7	122,480	1,85	4791	50000	<b>İRAFPM</b>		147	376	
	6,3	111,746	1,94	4371	50000					
	7,0	100,314	2,20	3924	50000					
	4,3	209,172	1,29	6363	50000	<b>İRAPM</b>	<b>123 / 132 S 6b</b>	198	343	
						<b>İRFPM</b>			199	345
						<b>İRAFPM</b>			200	373
	4,8	186,123	1,45	5662	50000					
	5,4	167,082	1,62	5083	50000					
	6,0	151,088	1,79	4596	50000	<b>İRAM</b>	<b>123 / 132 S 6b</b>	145	339	
	7,3	122,480	2,40	3726	50000	<b>İRFM</b>			146	341
	8,1	111,746	2,50	3400	50000	<b>İRAFPM</b>		147	369	
	9,0	100,314	2,80	3052	48000					
	9,9	90,712	3,00	2760	48000					
	11,9	75,766	3,70	2305	48000					
	5,5	256,048	0,86	5008	30000					
	6,2	225,112	0,93	4403	30000					
	6,7	207,689	1,00	4062	30000					
	7,6	184,584	1,14	3610	29700	<b>İRAM</b>	<b>103 / 100 L 4b</b>	142	198	
	8,5	165,496	1,28	3237	29700	<b>İRFM</b>			143	201
	10	140,701	1,54	2752	29700	<b>İRAFPM</b>		144	223	
	11	126,151	1,69	2467	29700					
	12	113,930	1,91	2228	29700					
	14	103,519	2,10	2025	29700					
	15	94,544	2,30	1849	29450					



P <sub>1</sub>	n <sub>2</sub>	i	S <sub>f</sub>	M <sub>2</sub>	F <sub>Qv2</sub>		Tip			
GÜÇ	Çıkış Devri	Tahvil	Servis Faktörü	Çıkış Momenti	Rad. Yük		Type			
Power	Output Speeds	Ratio	Service Factor	Output Torque	Over Loads		Typ			
Leistung	Abtriebswelle Drehzahlen	Übersetzung	Betriebsfaktor	Abtriebswelle Drehmomente	Querkräfte					
[kW]	[r.p.m]			[Nm]	[N]				kg	
Hp										
<b>3</b>	<b>16</b>	86,727	2,40	1696	29450	<b>İRAM</b>	<b>103 / 100 L 4b</b>		142	198
	<b>18</b>	77,321	2,70	1512	29450				<b>İRFM</b>	143
<b>4</b>	<b>21</b>	68,283	3,10	1335	29450	<b>İRAFAM</b>			144	223
	<b>23</b>	60,691	3,50	1187	29300					
	<b>9</b>	156,82	0,91	3067	22000					
	<b>11</b>	131,17	1,09	2565	22000					
	<b>12</b>	120,68	1,17	2360	22000					
	<b>13</b>	110,02	1,30	2152	22000					
	<b>14</b>	96,96	1,46	1896	22000					
	<b>16</b>	86,16	1,65	1685	21750					
	<b>18</b>	77,10	1,83	1508	21750	<b>İRAM</b>			139	140
	<b>20</b>	68,65	1,98	1343	21750	<b>İRFM</b>	<b>93 / 100 L 4b</b>		140	150
	<b>23</b>	60,50	2,20	1183	21750	<b>İRAFAM</b>			141	160
	<b>26</b>	53,76	2,70	1051	21750					
	<b>29</b>	48,11	3,90	941	21750					
	<b>32</b>	43,29	3,30	847	21500					
	<b>36</b>	39,13	3,60	765	21500					
	<b>39</b>	35,52	4,00	695	21500					
	<b>43</b>	32,34	4,40	632	21500					
	<b>17</b>	82,47	0,92	1613	15900					
	<b>19</b>	74,47	1,03	1456	15800					
	<b>21</b>	66,18	1,14	1294	15700					
	<b>24</b>	59,39	1,31	1161	15700					
	<b>26</b>	53,54	1,39	1047	15700					
	<b>29</b>	48,44	1,57	947	15700					
	<b>30</b>	45,93	1,60	898	15500					
	<b>34</b>	41,22	1,80	806	15500	<b>İRAM</b>			136	90
	<b>38</b>	37,16	2,00	727	15500	<b>İRFM</b>	<b>83 / 100 L 4b</b>		137	95
	<b>42</b>	33,62	2,30	658	15400	<b>İRAFAM</b>			138	97
	<b>47</b>	30,08	2,50	588	15400					
	<b>52</b>	27,12	2,80	530	15300					
	<b>57</b>	24,54	3,10	480	15100					
	<b>63</b>	22,27	3,40	436	14900					
	<b>69</b>	20,26	3,70	396	14500					
	<b>76</b>	18,47	4,00	361	14250					
	<b>83</b>	16,86	4,20	330	14150					
	<b>91</b>	15,41	4,30	301	14100					
	<b>94</b>	14,89	4,40	296	14050	<b>İRAM</b>			136	100
	<b>106</b>	13,23	4,80	263	14000	<b>İRFM</b>	<b>82 / 100 L 4b</b>		137	105
	<b>118</b>	11,87	5,00	236	14000	<b>İRAFAM</b>			138	107
	<b>27</b>	52,47	0,83	1026	9500					
	<b>30</b>	46,63	0,92	912	9500					
	<b>34</b>	41,66	1,02	815	9500					
	<b>37</b>	37,38	1,15	731	9500					
	<b>45</b>	31,16	1,30	609	9500					
	<b>50</b>	27,84	1,45	544	9500	<b>İRAM</b>			133	54
	<b>56</b>	24,97	1,55	488	9500	<b>İRFM</b>	<b>73 / 100 L 4b</b>		134	57
	<b>62</b>	22,48	1,81	440	9500	<b>İRAFAM</b>			135	60
	<b>69</b>	20,29	2,00	397	9500					
	<b>76</b>	18,35	2,15	359	9500					
	<b>84</b>	16,62	2,35	325	9500					
	<b>93</b>	15,06	2,80	295	9500					



P <sub>1</sub>	n <sub>2</sub>	i	S <sub>f</sub>	M <sub>2</sub>	F <sub>Qv2</sub>		Tip			
GÜÇ	Çıkış Devri	Tahvil	Servis Faktörü	Çıkış Momenti	Rad. Yük		Type			
Power	Output Speeds	Ratio	Service Factor	Output Torque	Over Loads		Typ			
Leistung	Abtriebswelle Drehzahlen	Übersetzung	Betriebsfaktor	Abtriebswelle Drehmomente	Querkräfte					
[kW]	[r.p.m]			[Nm]	[N]				kg	
Hp										
<b>3</b>	103	13,53	2,72	269	8800					
	116	12,02	2,78	239	8800	<b>İRAM</b>	<b>72 / 100 L 4b</b>	133	52	
4	130	10,74	3,20	213	8800	<b>İRFM</b>		134	55	
	150	9,33	3,40	185	8800	<b>İRAFM</b>		135	58	
	168	8,33	3,64	165	8800					
	35	39,887	0,80	780	8450					
	40	35,224	0,88	689	8400	<b>İRAM</b>	<b>731 / 100 L 4b</b>	130	56	
	45	31,308	0,95	612	8400	<b>İRFM</b>		131	59	
	50	27,971	1,06	547	8300	<b>İRAFM</b>		132	62	
	56	25,095	1,17	491	8300					
	62	22,590	1,28	442	8200					
	65	21,388	1,25	425	8200					
	74	19,021	1,39	378	8150					
	82	17,033	1,55	338	8100					
	91	15,339	1,70	305	8100					
	102	13,731	1,75	273	8000	<b>İRAM</b>	<b>721 / 100 L 4b</b>	130	54	
	115	12,126	2,10	241	8000	<b>İRFM</b>		131	57	
	125	11,172	2,10	222	8000	<b>İRAFM</b>		132	60	
	142	9,866	2,40	196	7900					
	160	8,769	2,50	174	7900					
	179	7,834	2,60	156	7900					
	199	7,029	2,80	140	7800					
	221	6,327	3,20	126	7800					
	47	29,85	0,81	584	4300					
	56	25,16	0,95	492	4300					
	65	21,50	1,11	420	4300	<b>İRAM</b>	<b>63 / 100 L 4b</b>	127	47	
	68	20,53	1,17	402	4300	<b>İRFM</b>		128	52	
	77	18,18	1,32	356	4300	<b>İRAFM</b>		129	53	
	90	15,59	1,47	305	4300					
	101	13,81	1,68	270	4300					
	47	29,85	0,81	584	4300					
	56	25,16	0,95	492	4300					
	65	21,50	1,11	420	4300	<b>İRAM</b>	<b>631 / 100 L 4b</b>	124	47	
	68	20,53	1,17	402	4300	<b>İRFM</b>		125	52	
	77	18,18	1,32	356	4300	<b>İRAFM</b>		126	53	
	90	15,59	1,47	305	4300					
	101	13,81	1,68	270	4300					
	104	13,48	1,54	268	3750					
	115	12,20	1,61	242	3750					
	126	11,10	1,75	220	3750					
	139	10,07	1,90	200	3750					
	150	9,35	1,80	186	3750					
	165	8,51	1,90	169	3750	<b>İRAM</b>	<b>62 / 100 L 4b</b>	127	47	
	182	7,67	2,00	152	3750	<b>İRFM</b>		128	52	
	197	7,10	2,10	141	3750	<b>İRAFM</b>		129	53	
	216	6,48	2,20	129	3750					
	234	5,99	2,30	119	3750					
	245	5,72	3,90	114	3750					
	263	5,32	3,90	106	3750					
	277	5,06	4,20	100	3750					



P <sub>1</sub>	n <sub>2</sub>	i	S <sub>f</sub>	M <sub>2</sub>	F <sub>Qv2</sub>	Tip				
GÜÇ	Çıkış Devri	Tahvil	Servis Faktörü	Çıkış Momenti	Rad. Yük	Type	Typ			
Power	Output Speeds	Ratio	Service Factor	Output Torque	Over Loads					
Leistung	Abtriebswelle Drehzahlen	Übersetzung	Betriebsfaktor	Abtriebswelle Drehmomente	Querkräfte					
[kW]	[r.p.m]			[Nm]	[N]					
Hp										
<b>3</b>	312	4,49	4,50	89	3750					
	351	3,99	4,80	79	3750					
4	377	3,71	3,50	74	3750	<b>İRAM</b>	<b>62 / 100 L 4b</b>	127	47	
	427	3,28	3,60	65	3750			<b>İRFM</b>	128	52
	481	2,91	3,70	58	3750			<b>İRAFM</b>	129	53
	540	2,59	3,70	51	3750					
	573	2,44	3,70	49	3750					
	104	13,48	1,54	268	3750					
	115	12,20	1,61	242	3750					
	126	11,10	1,75	220	3750					
	139	10,07	1,90	200	3750					
	150	9,35	1,80	186	3750					
	165	8,51	1,90	169	3750					
	182	7,67	2,00	152	3750					
	197	7,10	2,10	141	3750					
	216	6,48	2,20	129	3750	<b>İRAM</b>	<b>621 / 100 L 4b</b>	124	42	
	234	5,99	2,30	119	3750			<b>İRFM</b>	125	47
	245	5,72	3,90	114	3750			<b>İRAFM</b>	126	48
	263	5,32	3,90	106	3750					
	277	5,06	4,20	100	3750					
	312	4,49	4,50	89	3750					
	351	3,99	4,80	79	3750					
	377	3,71	3,50	74	3750					
	427	3,28	3,60	65	3750					
	481	2,91	3,70	58	3750					
	540	2,59	3,70	51	3750					
	573	2,44	3,70	49	3750					
	158	8,88	0,86	176	1950					
	176	7,97	0,88	158	1900					
	195	7,17	0,91	142	1850					
	216	6,47	0,98	128	1850					
	241	5,82	1,00	116	1850					
	267	5,25	1,05	104	1800	<b>İRAM</b>	<b>52 / 100 L 4b</b>	121	34	
	278	5,03	1,07	100	1800			<b>İRFM</b>	122	36
	310	4,51	1,17	90	1750			<b>İRAFM</b>	123	37
	345	4,06	1,27	81	1750					
	383	3,66	1,35	73	1750					
	423	3,31	1,45	66	1750					
	459	3,05	1,43	61	1750					
	483	2,90	1,50	58	1750					
	545	2,57	1,61	51	1750					
	265	10,55	1,46	105	1750					
	296	9,47	1,60	94	1700					
	315	8,88	1,56	88	1700					
	351	7,97	1,54	79	1650					
	391	7,17	1,63	71	1600					
	433	6,47	1,74	64	1600	<b>İRAM</b>	<b>52 / 100 L 2a</b>	121	31	
	481	5,82	1,74	58	1550			<b>İRFM</b>	122	33
	533	5,25	1,85	52	1550			<b>İRAFM</b>	123	34
	557	5,03	2,00	50	1500					
	621	4,51	2,20	45	1500					
	690	4,06	2,30	40	1400					
	765	3,66	2,50	36	1400					
	846	3,31	2,60	33	1350					





P <sub>1</sub>	n <sub>2</sub>	i	S <sub>f</sub>	M <sub>2</sub>	F <sub>Qv2</sub>	Tip			
GÜÇ	Çıkış Devri	Tahvil	Servis Faktörü	Çıkış Momenti	Rad. Yük	Type	Typ		
Power	Output Speeds	Ratio	Service Factor	Output Torque	Over Loads				
Leistung	Abtriebswelle Drehzahlen	Übersetzung	Betriebsfaktor	Abtriebswelle Drehmomente	Querkräfte				
[kW] Hp	[r.p.m]			[Nm]	[N]				
4 5,5	2,4	590,59	0,79	14942	70000	İRAM İRFM	151 İR 82 / 112 M 4b	169	556
	2,9	479,79	1,11	12139	70000			169	606
	3,2	431,48	1,25	10916	70000				
	3,9	355,15	1,48	8985	70000				
	4,8	292,73	1,83	7406	70000				
	5,7	244,27	2,18	6180	70000				
	6,9	201,67	2,60	5102	70000				
	3,2	436	0,88	11031	50000	İRAM İRFM	123 İR 72 / 112 M 4b	165	356
	3,6	388	0,96	9816	50000			166	358
	4,0	348	1,07	8804	50000				
	4,5	314	1,18	7944	50000				
	4,9	285	1,32	7210	50000				
	5,4	259	1,45	6553	50000				
	5,9	236	1,60	5971	50000				
	6,5	215	1,76	5439	50000				
	7,7	90,364	2,60	4713	72000	İRAM İRFM İRBM	151 / 160 M 8a	148	541
								148	591
								149	731
	4,6	151,088	1,04	7880	48000	İRAM İRFM İRAFPM	123 / 160 M 8a	145	391
	7,0	100,314	1,65	5232	48000			146	393
								147	421
	4,3	209,172	0,96	8485	47750	İRAPM İRFPM İRAFPM	123 / 132 M 6a	198	343
								199	345
								200	373
	4,8	186,123	1,09	7550	47750	İRAM İRFM İRAFPM	123 / 132 M 6a	145	339
	5,4	167,082	1,22	6777	47750				
	6,0	151,088	1,34	6129	47750				
	7,3	122,480	1,80	4968	47750				
	8,1	111,746	1,87	4533	46900				
	9,0	100,314	2,10	4069	46900				
	9,9	90,712	2,30	3680	46900				
	11,9	75,766	2,80	3073	46750				
	7,6	184,584	0,86	4813	29100	İRAM İRFM İRAFPM	103 / 112 M 4b	142	205
	8,5	165,496	0,96	4316	29100				
	10	140,701	1,16	3669	29100				
	11	126,151	1,27	3290	29100				
	12	113,930	1,43	2971	29000				
	14	103,519	1,54	2699	29000				
	15	94,544	1,71	2465	29000				
	16	86,727	1,82	2262	29000				
	18	77,321	2,00	2016	29000				
	21	68,283	2,30	1781	29000				
	23	60,691	2,60	1583	28800				
	26	54,223	3,00	1414	28800				
	29	48,648	3,30	1269	28800				
	32	43,792	3,70	1142	28800				
	11	131,17	0,81	3420	21200				
	12	120,68	0,88	3147	21200			140	157
	13	110,02	0,97	2869	21200			141	167



P <sub>1</sub>	n <sub>2</sub>	i	S <sub>f</sub>	M <sub>2</sub>	F <sub>Qv2</sub>	Tip			
GÜÇ	Çıkış Devri	Tahvil	Servis Faktörü	Çıkış Momenti	Rad. Yük	Type	kg		
Power	Output Speeds	Ratio	Service Factor	Output Torque	Over Loads	Typ			
Leistung	Abtriebswelle Drehzahlen	Übersetzung	Betriebsfaktor	Abtriebswelle Drehmomente	Querkräfte				
[kW] Hp	[r.p.m]			[Nm]	[N]				
4 5,5	14	96,96	1,10	2528	21200	İRAM İRFM İRAFM	93 / 112 M 4b	139	147
	16	86,16	1,23	2247	21200				
	18	77,10	1,37	2010	21000				
	20	68,65	1,48	1790	21000				
	23	60,50	1,65	1578	21000				
	26	53,76	1,98	1402	20900				
	29	48,11	2,20	1255	20900				
	32	43,29	2,50	1129	20900				
	36	39,13	2,70	1020	20800				
	39	35,52	3,00	926	20800				
	43	32,34	3,30	843	20700				
	47	29,52	3,60	770	20700				
	60	23,38	4,30	619	18000				
	68	20,60	4,50	545	18000				
76	18,31	4,90	485	18000					
21 24 26 29 30 34 38 42 47 52 57 63 69 76 83 91 94 106 118 131 145	66,18	0,85	1726	15400	İRAM İRFM İRAFM	83 / 112 M 4b	136	107	
	59,39	0,95	1549	15400					
	53,54	1,05	1396	15400					
	48,44	1,18	1263	15150					
	45,93	1,20	1198	15150					
	41,22	1,35	1075	15150					
	37,16	1,50	969	15150					
	33,62	1,76	877	15000					
	30,08	1,92	784	15000					
	27,12	2,10	707	14950					
	24,54	2,30	640	14700					
	22,27	2,50	581	14350					
	20,26	2,80	528	14250					
	18,47	3,00	482	14150					
	16,86	3,10	440	13600					
	15,41	3,20	402	13600					
	14,89	3,30	388	13300					
13,23	3,60	345	13100						
11,87	3,80	310	13000						
10,70	4,20	279	13000						
9,68	4,60	252	13000						
37 45 50 56 62 69 76 84 93	37,38	0,86	975	9300	İRAM İRFM İRAFM	73 / 112 M 4b	133	61	
	31,16	0,97	813	9300					
	27,84	1,08	726	9300					
	24,97	1,16	651	9300					
	22,48	1,36	586	9300					
	20,29	1,50	529	9300					
	18,35	1,61	478	9300					
	16,62	1,76	433	9300					
	15,06	2,10	393	9300					
103 116 130 150 168 187 208 231	13,53	2,04	358	8350	İRAM İRFM İRAFM	72 / 112 M 4b	133	59	
	12,02	2,15	318	8350					
	10,74	2,40	284	8350					
	9,33	2,55	247	8350					
	8,33	2,73	221	8350					
	7,47	2,91	198	8350					
	6,73	3,10	178	8350					
6,07	3,60	161	8350						



P <sub>1</sub>	n <sub>2</sub>	i	S <sub>f</sub>	M <sub>2</sub>	F <sub>Qv2</sub>	Tip			
GÜÇ	Çıkış Devri	Tahvil	Servis Faktörü	Çıkış Momenti	Rad. Yük	Type	kg		
Power	Output Speeds	Ratio	Service Factor	Output Torque	Over Loads	Typ			
Leistung	Abtriebswelle Drehzahlen	Übersetzung	Betriebsfaktor	Abtriebswelle Drehmomente	Querkräfte				
[kW] Hp	[r.p.m]			[Nm]	[N]				
<b>4</b> 5,5	74	19,021	1,05	504	8000				
	82	17,033	1,16	451	7950				
	91	15,339	1,27	406	7950				
	102	13,731	1,31	364	7850				
	115	12,126	1,54	321	7850				
	125	11,172	1,60	296	7850				
	142	9,866	1,81	261	7750				
	160	8,769	1,87	232	7750				
	179	7,834	1,92	207	7750	<b>İRAM</b> <b>İRFM</b> <b>İRAFM</b>	130	61	
	199	7,029	2,10	186	7750		<b>721 / 112 M 4b</b>	131	64
	221	6,327	2,30	167	7650			132	67
	245	5,710	2,50	151	7650				
	271	5,164	2,80	137	7600				
	299	4,677	3,00	124	7550				
	330	4,240	3,10	112	7550				
	368	3,809	3,10	101	7450				
	407	3,438	3,10	91	7450				
	450	3,109	3,10	82	7450				
	497	2,816	3,10	75	7400				
	548	2,553	3,10	68	7400				
	65	21,50	0,84	561	3600	<b>İRAM</b> <b>İRFM</b> <b>İRAFM</b>	127	54	
	68	20,53	0,88	535	3600		<b>63 / 112 M 4b</b>	128	59
	77	18,18	0,99	474	3600			129	60
	90	15,59	1,10	407	3600				
	101	13,81	1,26	360	3600				
	65	21,50	0,84	561	3600	<b>İRAM</b> <b>İRFM</b> <b>İRAFM</b>	124	54	
	68	20,53	0,88	535	3600		<b>631 / 112 M 4b</b>	125	59
	77	18,18	0,99	474	3600			126	60
	90	15,59	1,10	407	3600				
	101	13,81	1,26	360	3600				
	104	13,48	1,15	357	3400	<b>İRAM</b> <b>İRFM</b> <b>İRAFM</b>	127	49	
	115	12,20	1,21	323	3400		<b>62 / 112 M 4b</b>	128	54
	126	11,10	1,31	294	3400			129	55
	139	10,07	1,43	267	3400				
	150	9,35	1,35	248	3400				
	165	8,51	1,42	225	3400				
	182	7,67	1,50	203	3400				
	197	7,10	1,60	188	3400				
	216	6,48	1,65	172	3400				
	234	5,99	1,76	159	3400				
	245	5,72	2,90	151	3400				
	263	5,32	2,90	141	3400				
	277	5,06	3,10	134	3400				
	312	4,49	3,40	119	3400				
	351	3,99	3,60	106	3400				
	377	3,71	2,60	98	3400				
	427	3,28	2,70	87	3400				
	481	2,91	2,80	77	3400				
	540	2,59	2,80	69	3400				
	573	2,44	2,80	65	3400				



P <sub>1</sub>	n <sub>2</sub>	i	S <sub>f</sub>	M <sub>2</sub>	F <sub>Qv2</sub>					
GÜÇ	Çıkış Devri	Tahvil	Servis Faktörü	Çıkış Momenti	Rad. Yük	Tip				
Power	Output Speeds	Ratio	Service Factor	Output Torque	Over Loads	Type				
Leistung	Abtriebswelle Drehzahlen	Übersetzung	Betriebsfaktor	Abtriebswelle Drehmomente	Querkräfte	Typ				
[kW] Hp	[r.p.m]			[Nm]	[N]			kg		
<b>4</b> 5,5	104	13,48	1,15	357	3400					
	115	12,20	1,21	323	3400					
	126	11,10	1,31	294	3400					
	139	10,07	1,43	267	3400					
	150	9,35	1,35	248	3400					
	165	8,51	1,42	225	3400					
	182	7,67	1,50	203	3400					
	197	7,10	1,60	188	3400					
	216	6,48	1,65	172	3400					
	234	5,99	1,76	159	3400	<b>İRAM</b> <b>İRFM</b> <b>İRAFM</b>	<b>621 / 112 M 4b</b>	124	49	
	245	5,72	2,90	151	3400			125	54	
	263	5,32	2,90	141	3400			126	55	
		277	5,06	3,10	134	3400				
		312	4,49	3,40	119	3400				
		351	3,99	3,60	106	3400				
		377	3,71	2,60	98	3400				
		427	3,28	2,70	87	3400				
		481	2,91	2,80	77	3400				
	540	2,59	2,80	69	3400					
	573	2,44	2,80	65	3400					
<b>5,5</b> 7,5	3,3	429,06	0,80	14926	65000	<b>İRAM</b> <b>İRFM</b>	<b>151 İR 82 / C112 M 4</b>	169	556	
	3,9	355,15	1,09	12355	65000			169	606	
	4,8	288,93	1,34	10051	65000					
	4,2	165,414	1,94	11862	85000	<b>İRAM</b> <b>İRFM</b>	<b>181 / 160 M 8b</b>	150	1023	
	4,8	145,399	2,10	10426	85000			150	1073	
	5,0	138,808	2,30	9954	85000					
	7,7	90,364	1,88	6480	72000	<b>İRAM</b> <b>İRFM</b> <b>İRBM</b>	<b>151 / 160 M 8b</b>	148	551	
								148	601	
								149	741	
	10	90,364	2,40	5040	72000	<b>İRAM</b> <b>İRFM</b> <b>İRBM</b>	<b>151 / 132 M 6b</b>	148	498	
	12	75,868	2,90	4231	72000			148	548	
	13	67,166	3,30	3746	72000			149	688	
	15	59,978	3,70	3345	72000					
	6,0	151,088	0,98	8427	45210	<b>İRAM</b> <b>İRFM</b> <b>İRAFM</b>	<b>123 / 132 M 6b</b>	145	348	
	7,3	122,480	1,31	6831	45210			146	350	
								147	378	
	7,5	186,123	1,23	6673	45210					
	8,4	167,082	1,37	5991	45210					
9,3	151,088	1,52	5417	44490						
11	122,480	1,94	4391	44200						
13	111,746	2,00	4007	44100	<b>İRAM</b> <b>İRFM</b> <b>İRAFM</b>	<b>123 / 132 S 4c</b>	145	337		
14	100,314	2,30	3597	43800			146	339		
15	90,712	2,50	3252	43700			147	367		
18	75,766	3,00	2717	43570						
21	66,672	3,40	2391	43180						
24	59,160	3,80	2121	43180						
26	52,849	4,30	1895	43180						



P <sub>1</sub>	n <sub>2</sub>	i	S <sub>f</sub>	M <sub>2</sub>	F <sub>Qv2</sub>	Tip		
GÜÇ	Çıkış Devri	Tahvil	Servis Faktörü	Çıkış Momenti	Rad. Yük	Type		
Power	Output Speeds	Ratio	Service Factor	Output Torque	Over Loads	Typ		
Leistung	Abtriebswelle Drehzahlen	Übersetzung	Betriebsfaktor	Abtriebswelle Drehmomente	Querkräfte			
[kW] Hp	[r.p.m]			[Nm]	[N]		kg	
<b>5,5</b> 7,5	11	126,151	0,92	4523	28500	<b>İRAM</b> <b>İRFM</b> <b>İRAFM</b>	<b>103 / 132 S 4c</b>	142 218 143 221 144 243
	12	113,930	1,04	4085	28500			
	14	103,519	1,12	3712	28500			
	15	94,544	1,24	3390	28500			
	16	86,727	1,32	3110	28300			
	18	77,321	1,47	2772	28300			
	21	68,283	1,69	2448	28300			
	23	60,691	1,91	2176	28300			
	26	54,223	2,20	1944	28000			
	29	48,648	2,40	1744	28000			
	32	43,792	2,70	1570	27900			
	35	39,525	2,90	1417	27900			
	39	35,870	3,20	1286	27900			
	44	31,677	3,70	1136	27750			
	14	96,96	0,80	3476	20000	<b>İRAM</b> <b>İRFM</b> <b>İRAFM</b>	<b>93 / 132 S 4c</b>	139 160 140 170 141 180
	16	86,16	0,90	3089	20000			
	18	77,10	1,00	2764	20000			
	20	68,65	1,08	2461	20000			
	23	60,50	1,20	2169	20000			
	26	53,76	1,44	1928	20000			
	29	48,11	1,60	1725	20000			
	32	43,29	1,80	1552	20000			
	36	39,13	1,96	1403	19800			
	39	35,52	2,20	1274	19800			
	43	32,34	2,40	1160	19800			
	47	29,52	2,60	1058	19800			
	52	27,01	2,80	968	19600			
	57	24,76	3,10	888	19600			
	60	23,38	3,10	851	17800	<b>İRAM</b> <b>İRFM</b> <b>İRAFM</b>	<b>92 / 132 S 4c</b>	139 140 140 150 141 160
	68	20,60	3,30	750	17600			
	76	18,31	3,60	666	17450			
	85	16,38	3,90	596	17250			
	95	14,74	4,20	537	17100			
	105	13,32	4,60	485	17000			
	29	48,44	0,86	1737	14800	<b>İRAM</b> <b>İRFM</b> <b>İRAFM</b>	<b>83 / 132 S 4c</b>	136 110 137 115 138 117
	30	45,93	0,87	1647	14800			
	34	41,22	0,93	1478	14700			
	38	37,16	1,10	1332	14600			
	42	33,62	1,28	1205	14500			
	47	30,08	1,40	1079	14450			
	52	27,12	1,52	972	14250			
	57	24,54	1,69	880	14100			
	63	22,27	1,85	798	14000			
	69	20,26	2,00	726	13750			
	76	18,47	2,20	662	13350			
	83	16,86	2,30	605	13050			
	91	15,41	2,30	553	12800			
	94	14,89	2,40	542	12800			
	106	13,23	2,60	482	12200			
	118	11,87	2,70	432	12000			



P <sub>1</sub>	n <sub>2</sub>	i	S <sub>f</sub>	M <sub>2</sub>	F <sub>Qv2</sub>		Tip			
GÜÇ	Çıkış Devri	Tahvil	Servis Faktörü	Çıkış Momenti	Rad. Yük		Type			
Power	Output Speeds	Ratio	Service Factor	Output Torque	Over Loads		Typ			
Leistung	Abtriebswelle Drehzahlen	Übersetzung	Betriebsfaktor	Abtriebswelle Drehmomente	Querkräfte					
[kW] Hp	[r.p.m]			[Nm]	[N]				kg	
<b>5,5</b> 7,5	131	10,70	3,10	389	11900					
	145	9,68	3,40	352	11650					
	159	8,79	3,70	320	11250					
	170	8,24	3,80	300	11100	İRAM	82 / 132 S 4c	136	120	
	188	7,43	4,10	270	10900	İRFM		137	125	
	208	6,72	4,20	245	10800	İRAFM		138	127	
	230	6,10	4,50	222	10700					
	252	5,55	4,60	202	10600					
	277	5,06	4,80	184	10500					
	62	22,48	0,99	806	8500					
69	20,29	1,09	727	8500	İRAM	73 / 132 S 4c		133	74	
76	18,35	1,17	658	8500	İRFM			134	77	
84	16,62	1,28	596	8500	İRAFM			135	80	
93	15,06	1,56	540	8500						
103	13,53	1,48	493	7870						
116	12,02	1,56	438	7870						
130	10,74	2,40	391	7870						
150	9,33	1,88	340	7870						
168	8,33	1,98	303	7870						
187	7,47	2,12	272	7870						
208	6,73	2,25	245	7870						
231	6,07	2,62	221	7870	İRAM	72 / 132 S 4c	133	72		
255	5,49	2,70	200	7870	İRFM		134	75		
281	4,99	2,71	182	7870	İRAFM		135	78		
312	4,49	2,83	163	7870						
346	4,05	2,98	147	7870						
381	3,67	3,12	134	7870						
422	3,32	3,30	121	7870						
465	3,01	3,40	110	7870						
512	2,73	3,60	99	7870						
545	2,57	3,60	94	7870						
461	6,074	4,90	111	7870						
510	5,494	5,10	100	7870	İRAM	72 / 132 S 2a	133	72		
561	4,995	5,10	91	7870	İRFM		134	75		
623	4,497	5,20	82	7870	İRAFM		135	78		
690	4,059	5,50	74	7870						
91	15,339	0,93	558	7800	İRAM		721 / C112 M 4	130	62	
102	13,731	0,95	500	7800	İRFM	131		65		
125	11,172	1,16	407	7800	İRAFM	132		68		
115	12,126	1,12	441	7600						
142	9,866	1,32	359	7550						
160	8,769	1,36	319	7500						
179	7,834	1,40	285	7450						
199	7,029	1,56	256	7400	İRAM	721 / 132 S 4c	130	74		
221	6,327	1,72	230	7400	İRFM		131	77		
245	5,710	1,88	208	7350	İRAFM		132	80		
271	5,164	2,10	188	7350						
299	4,677	2,20	170	7300						
330	4,240	2,20	154	7280						
368	3,809	2,20	139	7250						



P <sub>1</sub>	n <sub>2</sub>	i	S <sub>f</sub>	M <sub>2</sub>	F <sub>Qv2</sub>		Tip				
GÜÇ	Çıkış Devri	Tahvil	Servis Faktörü	Çıkış Momenti	Rad. Yük		Type				
Power	Output Speeds	Ratio	Service Factor	Output Torque	Over Loads		Typ				
Leistung	Abtriebswelle Drehzahlen	Übersetzung	Betriebsfaktor	Abtriebswelle Drehmomente	Querkräfte						
[kW]	[r.p.m]			[Nm]	[N]				kg		
Hp											
<b>5,5</b>	407	3,438	2,20	125	7100	<b>İRAM</b>	<b>721 / 132 S 4c</b>		130	74	
	450	3,109	2,20	113	7100				<b>İRFM</b>	131	77
<b>7,5</b>	497	2,816	2,20	103	7100	<b>İRAFPM</b>			132	80	
	548	2,553	2,20	93	7100						
	<b>101</b>	13,81	0,92	495	3300	<b>İRAM</b>	<b>63 / 132 S 4c</b>		127	67	
									<b>İRFM</b>	128	72
									<b>İRAFPM</b>	129	73
	<b>101</b>	13,81	0,92	495	3300	<b>İRAM</b>	<b>631 / 132 S 4c</b>		124	67	
									<b>İRFM</b>	125	72
									<b>İRAFPM</b>	126	73
	<b>115</b>	12,20	0,88	444	3000	<b>İRAM</b>	<b>62 / C112 M 4</b>		127	50	
	<b>126</b>	11,10	0,95	404	3000				<b>İRFM</b>	128	55
	<b>139</b>	10,07	1,04	367	3000				<b>İRAFPM</b>	129	56
	<b>150</b>	9,35	0,98	340	3000						
	<b>165</b>	8,51	1,04	310	3000						
	<b>182</b>	7,673	1,09	279	3000	<b>İRAPM</b>	<b>62 / 132 S 4c</b>		180	64	
	<b>197</b>	7,108	1,16	259	3000				<b>İRFPM</b>	181	69
	<b>216</b>	6,480	1,20	236	3000				<b>İRAFPM</b>	182	70
	<b>234</b>	5,992	1,28	218	3000						
	<b>245</b>	5,723	2,10	208	3000						
	<b>263</b>	5,325	2,10	194	3000						
	<b>277</b>	5,060	2,30	184	3000						
	<b>311</b>	4,499	2,40	164	3000						
	<b>350</b>	3,998	2,60	146	3000						
	<b>377</b>	3,711	1,92	135	3000						
	<b>426</b>	3,287	1,96	120	3000						
	<b>480</b>	2,917	2,00	106	3000						
	<b>540</b>	2,592	2,00	94	3000						
	<b>573</b>	2,444	2,00	89	3000						
	<b>115</b>	12,20	0,88	444	3000	<b>İRAM</b>	<b>621 / C112 M 4</b>		124	50	
	<b>126</b>	11,10	0,95	404	3000				<b>İRFM</b>	125	55
	<b>139</b>	10,07	1,04	367	3000				<b>İRAFPM</b>	126	56
	<b>150</b>	9,35	0,98	340	3000						
	<b>165</b>	8,51	1,04	310	3000						
	<b>182</b>	7,673	1,09	279	3000	<b>İRAPM</b>	<b>621 / 132 S 4c</b>		177	64	
	<b>197</b>	7,108	1,16	259	3000				<b>İRFPM</b>	178	69
	<b>216</b>	6,480	1,20	236	3000				<b>İRAFPM</b>	179	70
	<b>234</b>	5,992	1,28	218	3000						
	<b>245</b>	5,723	2,10	208	3000						
	<b>263</b>	5,325	2,10	194	3000						
	<b>277</b>	5,060	2,30	184	3000						
	<b>311</b>	4,499	2,40	164	3000						
	<b>350</b>	3,998	2,60	146	3000						
	<b>377</b>	3,711	1,92	135	3000						
	<b>426</b>	3,287	1,96	120	3000						
	<b>480</b>	2,917	2,00	106	3000						
	<b>540</b>	2,592	2,00	94	3000						
	<b>573</b>	2,444	2,00	89	3000						
	<b>394</b>	7,10	2,30	129	3000	<b>İRAPM</b>	<b>62 / 132 S 2a</b>		180	62	
	<b>432</b>	6,48	2,30	118	3000				<b>İRFPM</b>	181	67
	<b>467</b>	5,99	2,30	109	3000				<b>İRAFPM</b>	182	68





P <sub>1</sub>	n <sub>2</sub>	i	S <sub>f</sub>	M <sub>2</sub>	F <sub>Qv2</sub>		Tip		
GÜÇ	Çıkış Devri	Tahvil	Servis Faktörü	Çıkış Momenti	Rad. Yük		Type		
Power	Output Speeds	Ratio	Service Factor	Output Torque	Over Loads		Typ		
Leistung	Abtriebswelle Drehzahlen	Übersetzung	Betriebsfaktor	Abtriebswelle Drehmomente	Querkräfte				
[kW] Hp	[r.p.m]			[Nm]	[N]				kg
5,5 7,5	490	5,72	4,20	104	3000				
	526	5,32	4,20	97	3000				
	553	5,06	4,50	92	3000	İRAPM	62 / 132 S 2a	180	62
	624	4,49	4,80	82	3000	İRFBPM		181	67
	702	3,99	5,20	73	3000	İRFBPM		182	68
	755	3,71	3,80	68	3000				
	854	3,28	3,90	60	3000				
	394	7,10	2,30	129	3000				
	432	6,48	2,30	118	3000				
	467	5,99	2,30	109	3000				
	490	5,72	4,20	104	3000	İRAPM	621 / 132 S 2a	177	64
	526	5,32	4,20	97	3000	İRFBPM		178	69
	553	5,06	4,50	92	3000	İRFBPM		179	70
	624	4,49	4,80	82	3000				
702	3,99	5,20	73	3000					
755	3,71	3,80	68	3000					
854	3,28	3,90	60	3000					
7,5 10	4,2	165,414	1,42	16175	85000	İRAM	181 / 160 L 8a	150	1054
	4,8	145,399	1,58	14218	85000	İRFBM		150	1104
	5,0	138,808	1,66	13573	85000				
	5,4	165,414	1,82	12581	85000				
	6,2	145,399	2,00	11058	85000				
	6,5	138,808	2,10	10557	85000				
	6,8	132,705	2,20	10093	85000				
	7,4	121,763	2,40	9261	85000	İRAM	181 / 160 M 6b	150	1031
	8,0	112,232	2,60	8536	85000	İRFBM		150	1081
	5,4	165,414	2,90	12581	85000				
	6,2	145,399	3,30	11058	85000				
	6,5	138,808	3,40	10557	85000				
	6,8	132,705	3,60	10093	85000				
	7,4	121,763	3,90	9261	85000				
	7,7	90,364	1,38	8836	72000	İRAM	151 / 160 L 8a	148	582
						İRFBM		148	632
						İRFBM		149	772
	10	90,364	1,77	6873	70500	İRAM	151 / 160 M 6b	148	559
	12	75,868	2,10	5770	70500	İRFBM		148	609
	13	67,166	2,40	5108	70500	İRFBM		149	749
	15	59,978	2,70	4562	70500	İRFBM			
	15	90,364	2,70	4418	70000	İRAM	151 / 132 M 4b	148	504
	18	75,868	3,30	3709	70000	İRFBM		148	554
	21	67,166	3,70	3284	70000	İRFBM		149	694
23	59,978	4,10	2932	70000	İRFBM				
7,5	186,123	0,90	9100	45210					
8,4	167,082	1,00	8169	45210					
9,3	151,088	1,11	7387	44490					
11	122,480	1,42	5988	44200	İRAM	123 / 132 M 4b	145	348	
13	111,746	1,47	5464	44100	İRFBM		146	350	
14	100,314	1,68	4905	43800	İRFBM		147	378	
15	90,712	1,83	4435	43300					
18	75,766	2,20	3704	43180					
21	66,672	2,50	3260	43180					





P <sub>1</sub>	n <sub>2</sub>	i	S <sub>f</sub>	M <sub>2</sub>	F <sub>Qv2</sub>	Tip			
GÜÇ	Çıkış Devri	Tahvil	Servis Faktörü	Çıkış Momenti	Rad. Yük	Type	kg		
Power	Output Speeds	Ratio	Service Factor	Output Torque	Over Loads	Typ			
Leistung	Abtriebswelle Drehzahlen	Übersetzung	Betriebsfaktor	Abtriebswelle Drehmomente	Querkräfte				
[kW] Hp	[r.p.m]			[Nm]	[N]				
<b>7,5</b> 10	24	59,160	2,80	2893	43180	<b>İRAM</b> <b>İRFM</b> <b>İRAFM</b>	<b>123 / 132 M 4b</b>	145	348
	26	52,849	3,10	2584	43180			146	350
	29	47,474	3,40	2321	42900			147	378
	33	42,840	3,80	2095	42720				
	34	40,700	4,00	1990	42720				
	16	86,727	0,97	4240	27000				
	18	77,321	1,08	3780	27000				
	21	68,283	1,24	3339	27000				
	23	60,691	1,40	2967	26500				
	26	54,223	1,60	2651	26500				
	29	48,648	1,76	2379	26100	<b>İRAM</b>	<b>103 / 132 M 4b</b>	142	229
	32	43,792	1,97	2141	26000	<b>İRFM</b>		143	232
	35	39,525	2,10	1932	25800	<b>İRAFM</b>		144	254
	39	35,870	2,40	1754	28500				
	44	31,677	2,70	1549	25500				
	50	28,155	3,10	1377	25000				
	56	25,155	3,40	1230	24500				
	62	22,568	3,80	1103	24200				
	20	68,65	0,79	3356	19200				
	23	60,50	0,88	2958	19200				
	26	53,76	1,05	2628	19100				
	29	48,11	1,17	2352	19000				
	32	43,29	1,32	2117	19000	<b>İRAM</b>	<b>93 / 132 M 4b</b>	139	171
	36	39,13	1,48	1913	19000	<b>İRFM</b>		140	181
	39	35,52	1,60	1737	19000	<b>İRAFM</b>		141	191
	43	32,34	1,76	1581	18900				
	47	29,52	1,92	1443	18900				
	52	27,01	2,10	1321	18800				
	57	24,76	2,30	1211	18700				
	60	23,38	2,30	1161	17000				
	68	20,60	2,40	1023	17000				
	76	18,31	2,60	909	17000				
	85	16,38	2,90	813	16800	<b>İRAM</b>	<b>92 / 132 M 4b</b>	139	151
	95	14,74	3,10	732	16800	<b>İRFM</b>		140	161
	105	13,32	3,40	661	16700	<b>İRAFM</b>		141	171
	127	11,01	4,10	547	16550				
	139	10,05	4,40	499	16500				
	152	9,20	4,50	457	16500				
	38	37,16	0,80	1817	14300				
	42	33,62	0,94	1644	14150	<b>İRAM</b>	<b>83 / 132 M 4b</b>	136	121
	47	30,08	1,03	1471	14050	<b>İRFM</b>		137	126
	52	27,12	1,11	1326	13800	<b>İRAFM</b>		138	128
	57	24,54	1,24	1200	13500				
	63	22,27	1,36	1089	13350				
	69	20,26	1,48	991	13150	<b>İRAM</b>	<b>83 / 132 M 4b</b>	136	121
	76	18,47	1,60	903	12950	<b>İRFM</b>		137	126
	83	16,86	1,68	824	12500	<b>İRAFM</b>		138	128
	91	15,41	1,72	753	12050				
	94	14,89	1,76	739	12050	<b>İRAM</b>	<b>82 / 132 M 4b</b>	136	131
	106	13,23	1,92	657	11800	<b>İRFM</b>		137	136
	118	11,87	2,00	589	11450	<b>İRAFM</b>		138	138



P <sub>1</sub>	n <sub>2</sub>	i	S <sub>f</sub>	M <sub>2</sub>	F <sub>Qv2</sub>	Tip			
GÜÇ	Çıkış Devri	Tahvil	Servis Faktörü	Çıkış Momenti	Rad. Yük	Type			
Power	Output Speeds	Ratio	Service Factor	Output Torque	Over Loads	Typ			
Leistung	Abtriebswelle Drehzahlen	Übersetzung	Betriebsfaktor	Abtriebswelle Drehmomente	Querkräfte				
[kW] Hp	[r.p.m]			[Nm]	[N]			kg	
<b>7,5</b> 10	131	10,70	2,20	531	11100				
	145	9,68	2,50	480	10850				
	159	8,79	2,70	436	10650				
	170	8,24	2,80	409	10500				
	188	7,43	3,00	369	10400				
	208	6,72	3,10	334	10200				
	230	6,10	3,30	303	10100				
	252	5,55	3,40	275	10000	<b>İRAM</b> <b>İRFM</b> <b>İRAFM</b>	136	131	
	277	5,06	3,50	251	9900		<b>82 / 132 M 4b</b>	137	136
	303	4,62	3,60	229	9800			138	138
		332	4,22	3,70	209	9650			
		346	4,05	3,80	201	9600			
		379	3,69	4,00	183	9500			
		415	3,37	4,20	167	9500			
		455	3,08	4,40	153	9500			
		478	2,93	4,40	145	9500			
		524	2,67	4,50	133	9500			
		590	2,37	4,60	118	9500			
		69	20,29	0,80	992	7600	<b>İRAM</b> <b>İRFM</b> <b>İRAFM</b>	133	85
		76	18,35	0,86	897	7600		<b>73 / 132 M 4b</b>	134
	84	16,62	0,94	813	7600	135			91
	93	15,06	1,14	736	7600				
	103	13,53	1,09	672	7500				
	116	12,02	1,15	597	7500				
	130	10,74	1,28	533	7500				
	150	9,33	1,36	463	7500				
	168	8,33	1,45	413	7500				
	187	7,47	1,56	371	7500				
	208	6,73	1,65	334	7500				
	231	6,07	1,92	301	7500	<b>İRAM</b> <b>İRFM</b> <b>İRAFM</b>	133	83	
	255	5,49	1,98	273	7500		<b>72 / 132 M 4b</b>	134	86
	281	4,99	1,99	248	7500			135	89
	312	4,49	2,08	223	7500				
	346	4,05	2,18	201	7500				
	381	3,67	2,29	182	7500				
	422	3,32	2,43	165	7500				
	465	3,01	2,50	149	7500				
	512	2,73	2,70	136	7500				
	545	2,57	2,70	128	7500				
	461	6,074	3,60	151	7870	<b>İRAM</b> <b>İRFM</b> <b>İRAFM</b>	133	72	
	510	5,494	3,70	136	7870		<b>72 / 132 S 2c</b>	134	75
	561	4,995	3,70	124	7870			135	78
	623	4,497	3,80	112	7870				
	690	4,059	4,00	101	7870				
	115	12,126	0,82	602	7400				
	142	9,866	0,97	490	7400				
	160	8,769	1,00	435	7370	<b>İRAM</b> <b>İRFM</b> <b>İRAFM</b>	130	85	
	179	7,834	1,03	389	7350		<b>721 / 132 M 4b</b>	131	88
	199	7,029	1,14	349	7300			132	91
	221	6,327	1,26	314	7300				
	245	5,710	1,38	283	7250				
	271	5,164	1,53	256	7250				



P <sub>1</sub>	n <sub>2</sub>	i	S <sub>f</sub>	M <sub>2</sub>	F <sub>Qv2</sub>		Tip			
GÜÇ	Çıkış Devri	Tahvil	Servis Faktörü	Çıkış Momenti	Rad. Yük		Type			
Power	Output Speeds	Ratio	Service Factor	Output Torque	Over Loads		Typ			
Leistung	Abtriebswelle Drehzahlen	Übersetzung	Betriebsfaktor	Abtriebswelle Drehmomente	Querkräfte					
[kW] Hp	[r.p.m]			[Nm]	[N]				kg	
<b>7,5</b> 10	299	4,677	1,60	232	7200					
	330	4,240	1,64	210	7170					
	368	3,809	1,64	189	7150	İRAM	<b>721 / 132 M 4b</b>	130	85	
	407	3,438	1,64	171	7000	İRFM		131	88	
	450	3,109	1,64	154	7000	İRAFM		132	91	
	497	2,816	1,64	140	7000					
548	2,553	1,64	127	7000						
<b>11</b> 15	4,2	165,414	0,97	23724	85000	İRAM	<b>181 / 180 L 8b</b>	150	1096	
	4,8	145,399	1,08	20853	85000	İRFM		150	1146	
	5,4	165,414	1,24	18452	85000					
	6,2	145,399	1,36	16219	85000					
	6,5	138,808	1,43	15484	85000	İRAM	<b>181 / 160 L 6b</b>	150	1047	
	6,8	132,705	1,50	14803	85000	İRFM		150	1097	
	7,4	121,763	1,64	13582	85000					
	8,0	112,232	1,77	12519	85000					
	8,5	165,414	1,99	11862	85000					
	9,6	145,399	2,20	10426	85000					
	10	138,808	2,30	9954	84000	İRAM	<b>181 / 160 M 4b</b>	150	1020	
	11	132,705	2,40	9516	84000	İRFM		150	1070	
	11	121,763	2,70	8732	84000					
	12	112,232	2,90	8048	83000					
	16	85,188	3,80	6109	83000					
	10	90,364	1,21	10080	69300	İRAM	<b>151 / 160 L 6b</b>	148	575	
	12	75,868	1,43	8463	69300	İRFM		148	625	
	13	67,166	1,64	7492	69300	İRBM		149	765	
	15	59,878	1,84	6679	69300					
	15	90,364	1,84	6480	69000	İRAM	<b>151 / 160 M 4b</b>	148	548	
	18	75,868	2,30	5440	69000	İRFM		148	598	
	21	67,166	2,50	4816	69000	İRBM		149	738	
	23	59,878	2,80	4294	69000					
	29	48,796	3,50	3499	69000					
	11	122,480	0,97	8783	47200	İRAM	<b>123 / C132 M 4</b>	145	350	
	13	111,746	1,00	8013	45700	İRFM		146	352	
						İRAFM		147	380	
	14	100,314	1,15	7193	44800					
	15	90,712	1,25	6505	44300					
	18	75,766	1,50	5433	43870	İRAM	<b>123 / 160 M 4b</b>	145	402	
	21	66,672	1,70	4781	43180	İRFM		146	404	
	24	59,160	1,90	4242	43180	İRAFM		147	432	
	26	52,849	2,20	3790	43180					
	29	47,474	2,40	3404	43000					
	33	42,840	2,60	3072	43000	İRAM	<b>123 / 160 M 4b</b>	145	402	
	34	40,700	2,70	2919	43000	İRFM		146	404	
	39	36,114	3,00	2590	42880	İRAFM		147	432	
	43	32,262	3,40	2313	42700					
	48	28,980	3,80	2078	42700					
	23	60,691	0,95	4352	25000	İRAM	<b>103 / 160 M 4b</b>	142	283	
	26	54,223	1,09	3888	25000	İRFM		143	286	
	29	48,648	1,20	3489	24800	İRAFM		144	308	



P <sub>1</sub>	n <sub>2</sub>	i	S <sub>f</sub>	M <sub>2</sub>	F <sub>Qv2</sub>	Tip		
GÜÇ	Çıkış Devri	Tahvil	Servis Faktörü	Çıkış Momenti	Rad. Yük	Type	kg	
Power	Output Speeds	Ratio	Service Factor	Output Torque	Over Loads	Typ		
Leistung	Abtriebswelle Drehzahlen	Übersetzung	Betriebsfaktor	Abtriebswelle Drehmomente	Querkräfte			
[kW]	[r.p.m]			[Nm]	[N]			
Hp								
<b>11</b>	32	43,792	1,35	3140	24800			
	35	39,525	1,45	2834	24500			
	15	39	35,870	1,64	2572	24500		
		44	31,677	1,84	2272	24200		
	50	28,155	2,10	2019	24000	İRAM	142 283	
	56	25,155	2,30	1804	23800	İRFM	103 / 160 M 4b 143 286	
	62	22,568	2,60	1618	23500	İRAFM	144 308	
	69	20,316	2,80	1457	23100			
	76	18,336	3,20	1315	22800			
	84	16,582	3,50	1189	22500			
93	15,104	3,90	1083	22000				
	79	17,692	3,20	1288	22000	İRAM	142 276	
						İRFM	102 / 160 M 4b 143 279	
						İRAFM	144 301	
	29	48,11	0,80	3450	17800			
	32	43,29	0,90	3104	17800			
	36	39,13	0,98	2806	17600	İRAM	139 225	
	39	35,52	1,09	2547	17500	İRFM	93 / 160 M 4b 140 235	
	43	32,34	1,20	2319	17450	İRAFM	141 245	
	47	29,52	1,30	2117	17250			
	52	27,01	1,41	1937	17150			
	57	24,76	1,55	1776	17000			
	60	23,38	1,55	1702	15400	İRAM	139 153	
						İRFM	92 / C132 M 4 140 163	
						İRAFM	141 173	
	68	20,60	1,66	1500	15150			
	76	18,31	1,80	1333	15000			
	85	16,38	1,95	1192	14800			
	95	14,74	2,10	1073	14600			
	105	13,32	2,30	970	14400	İRAM	139 205	
	127	11,01	2,80	802	14150	İRFM	92 / 160 M 4b 140 215	
	139	10,05	3,00	732	14000	İRAFM	141 225	
	152	9,20	3,10	670	13650			
	168	8,31	3,20	605	13400			
	186	7,54	3,60	549	13000			
	204	6,87	3,90	500	12850			
	223	6,27	4,30	456	12700			
	63	22,27	0,92	1597	12150			
	69	20,26	1,00	1453	12000	İRAM	136 175	
	76	18,47	1,10	1324	11900	İRFM	83 / 160 M 4b 137 180	
	83	16,86	1,15	1209	11650	İRAFM	138 182	
	91	15,41	1,17	1105	11350			
	94	14,89	1,20	1084	11200	İRAM	136 133	
						İRFM	82 / C132 M 4 137 138	
						İRAFM	138 140	
	106	13,23	1,31	963	10950			
	118	11,87	1,38	864	10750	İRAM	136 185	
	131	10,70	1,55	779	10500	İRFM	82 / 160 M 4b 137 190	
	145	9,68	1,70	705	10350	İRAFM	138 192	
	159	8,79	1,85	640	10050			



P <sub>1</sub>	n <sub>2</sub>	i	S <sub>f</sub>	M <sub>2</sub>	F <sub>Qv2</sub>				
GÜÇ	Çıkış Devri	Tahvil	Servis Faktörü	Çıkış Momenti	Rad. Yük	Tip			
Power	Output Speeds	Ratio	Service Factor	Output Torque	Over Loads	Type			
Leistung	Abtriebswelle Drehzahlen	Übersetzung	Betriebsfaktor	Abtriebswelle Drehmomente	Querkräfte	Typ			
[kW]	[r.p.m]			[Nm]	[N]		kg		
Hp									
<b>11</b>	170	8,24	1,90	600	9800				
	188	7,43	2,00	541	9700				
	15	208	6,72	2,10	489	9600			
		230	6,10	2,20	444	9500			
	252	5,55	2,30	404	9400				
	277	5,06	2,40	368	9300				
	303	4,62	2,50	336	9250	<b>İRAM</b>	82 / 160 M 4b		
	332	4,22	2,50	307	9150			<b>İRFM</b>	136 185
	346	4,05	2,60	295	9050			<b>İRAFM</b>	137 190
	379	3,69	2,70	269	8950				
	415	3,37	2,80	245	8800				
	455	3,08	3,00	224	8700				
	478	2,93	3,00	213	8700				
	524	2,67	3,10	195	8700				
	590	2,37	3,10	173	8700				
		168	8,33	0,99	606	5580			
		187	7,47	1,06	544	5580			
		208	6,73	1,13	490	5580			
		231	6,07	1,30	442	5580			
255		5,49	1,35	400	5580				
281		4,99	1,35	363	5580	<b>İRAM</b>	72 / C132 M 4		
312		4,49	1,42	327	5580			<b>İRFM</b>	133 85
346		4,05	1,50	295	5580			<b>İRAFM</b>	134 88
381		3,67	1,56	267	5580				
422		3,32	1,66	242	5580				
465		3,01	1,70	219	5580				
512		2,73	1,82	199	5580				
545		2,57	1,82	187	5580				
		461	6,074	2,40	221	7870			
		510	5,494	2,50	200	7870	<b>İRAM</b>	72 / 132 M 2a	
	561	4,995	2,50	182	7870	<b>İRFM</b>			133 83
	623	4,497	2,60	164	7870	<b>İRAFM</b>			134 86
	690	4,059	2,70	148	7870		135 89		
	<b>15</b>	5,4	165,414	0,85	25161	84000			
6,2		145,399	0,94	22117	84000				
20		6,5	138,808	0,98	21114	84000	<b>İRAM</b>	181 / 180 L 6a	
		6,8	132,705	1,03	20186	84000			<b>İRFM</b>
7,4		121,763	1,12	18521	84000				
8,0		112,232	1,22	17072	84000				
		8,5	165,414	1,46	16175	84000			
		9,6	145,399	1,64	14218	84000			
		10	138,808	1,71	13573	83300			
		11	132,705	1,79	12977	83300	<b>İRAM</b>	181 / 160 L 4a	
		11	121,763	1,95	11907	83300			<b>İRFM</b>
		12	112,232	2,10	10975	82100		150 1090	
		16	85,188	2,80	8330	82100			
		19	75,308	3,90	7364	81500			
		21	67,935	4,30	6643	81000			
		12	75,868	1,05	11540	69000	<b>İRAM</b>	151 / 180 L 6a	
13		67,166	1,20	10217	69000	<b>İRFM</b>			148 631
						<b>İRBM</b>	148 681		
							149 821		



P <sub>1</sub>	n <sub>2</sub>	i	S <sub>f</sub>	M <sub>2</sub>	F <sub>Qv2</sub>		Tip			
GÜÇ	Çıkış Devri	Tahvil	Servis Faktörü	Çıkış Momenti	Rad. Yük		Type			
Power	Output Speeds	Ratio	Service Factor	Output Torque	Over Loads		Typ			
Leistung	Abtriebswelle Drehzahlen	Übersetzung	Betriebsfaktor	Abtriebswelle Drehmomente	Querkräfte					
[kW]	[r.p.m]			[Nm]	[N]				kg	
Hp										
<b>15</b>	15	90,364	1,35	8836	69000					
	20	18	75,868	1,65	7419	68700	<b>İRAM</b>	<b>151 / 160 L 4a</b>	148	568
		21	67,166	1,85	6568	68700				
		23	59,978	2,10	5865	68700				
		29	48,796	2,60	4772	68700				
		35	40,390	3,40	3950	68500				
		39	36,323	3,80	3552	68000				
20	15	90,712	0,92	8870	45200	<b>İRAM</b>	<b>123 / 160 L 4a</b>	145	434	
	18	75,766	1,10	7409	45000					
	21	66,672	1,25	6520	44800					
	24	59,160	1,39	5785	44400					
	26	52,849	1,58	5168	44250					
	29	47,474	1,72	4642	44000					
	33	42,840	1,90	4189	43780					
	34	40,700	1,98	3980	43540					
	39	36,114	2,20	3531	43500					
	43	32,262	2,50	3155	43400					
	48	28,980	2,80	2834	42700					
	54	26,151	3,10	2557	41800					
	59	23,687	3,40	2316	41000					
	65	21,522	3,70	2105	40000					
20	53	26,282	3,00	2609	41800	<b>İRAM</b>	<b>122 / 160 L 4a</b>	145	428	
	59	23,766	3,30	2359	41700					
	71	19,850	4,00	1971	41600					
	80	17,468	4,50	1734	41500					
20	26	54,223	0,80	5302	23000	<b>İRAM</b>	<b>103 / 160 L 4a</b>	142	315	
	29	48,648	0,88	4757	22500					
	32	43,792	0,98	4282	22000					
	35	39,525	1,06	3865	21500					
	39	35,870	1,20	3508	21300					
	44	31,677	1,35	3098	21300					
	50	28,155	1,55	2753	21000					
	56	25,155	1,70	2460	20800					
	62	22,568	1,90	2207	20500					
	69	20,316	2,10	1987	20000					
	76	18,336	2,30	1793	20000					
	84	16,582	2,60	1621	20000					
	93	15,104	2,90	1477	20000					
	20	79	17,692	2,30	1756					20000
90		15,624	2,70	1551	19500					
101		13,887	3,00	1379	19500					
113		12,407	3,40	1232	19000					
132		10,585	4,10	1051	19000					
148		9,457	4,50	939	18000					
20	68	20,60	1,21	2045	14000	<b>İRAM</b>	<b>92 / 160 L 4a</b>	139	237	
	76	18,31	1,32	1818	13900					
	85	16,38	1,43	1626	13800					
	95	14,74	1,54	1463	13750					
	105	13,32	1,70	1322	13600					
	127	11,01	2,00	1093	13500					





P <sub>1</sub>	n <sub>2</sub>	i	S <sub>f</sub>	M <sub>2</sub>	F <sub>Qv2</sub>		Tip				
GÜÇ	Çıkış Devri	Tahvil	Servis Faktörü	Çıkış Momenti	Rad. Yük		Type				
Power	Output Speeds	Ratio	Service Factor	Output Torque	Over Loads		Typ				
Leistung	Abtriebswelle Drehzahlen	Übersetzung	Betriebsfaktor	Abtriebswelle Drehmomente	Querkräfte						
[kW] Hp	[r.p.m]			[Nm]	[N]				kg		
<b>15</b> 20	139	10,05	2,20	998	13500						
	152	9,20	2,30	913	13300						
	168	8,31	2,40	825	13200						
	186	7,54	2,60	749	13050	<b>İRAM</b>	<b>92 / 160 L 4a</b>	139	237		
	204	6,87	2,90	682	12900	<b>İRFM</b>		140	247		
	223	6,27	3,20	622	12800	<b>İRAFM</b>		141	257		
	244	5,74	3,30	570	12600						
	266	5,26	3,30	522	12500						
	316	4,43	3,60	440	12400						
		83	16,86	0,84	1649	10350	<b>İRAM</b>	<b>83 / 160 L 4a</b>	136	207	
		91	15,41	0,86	1507	10100	<b>İRFM</b>		137	212	
							<b>İRAFM</b>		138	214	
		106	13,23	0,96	1313	9900					
	118	11,87	1,01	1178	9700						
	131	10,70	1,14	1062	9650						
	145	9,68	1,25	961	9600						
	159	8,79	1,35	873	9500						
	170	8,24	1,39	818	9300						
	188	7,43	1,50	738	9200						
	208	6,72	1,54	667	9050						
	230	6,10	1,65	606	8950	<b>İRAM</b>	<b>82 / 160 L 4a</b>	136	217		
	252	5,55	1,70	551	8850	<b>İRFM</b>		137	222		
	277	5,06	1,75	502	8800	<b>İRAFM</b>		138	224		
	303	4,62	1,80	459	8700						
	332	4,22	1,85	419	8600						
	346	4,05	1,90	402	8500						
	379	3,69	2,00	366	8350						
	415	3,37	2,10	335	8300						
	455	3,08	2,20	306	8250						
	478	2,93	2,20	290	8250						
	524	2,67	2,30	265	8250						
	590	2,37	2,30	236	8250						
<b>18,5</b> 25	8,5	165,414	1,18	19949	82900						
	9,6	145,399	1,33	17535	82900						
	10	138,808	1,38	16741	82200						
	11	132,705	1,45	16005	82200						
	11	121,763	1,58	14685	82200	<b>İRAM</b>	<b>181 / 180 M 4b</b>	150	1069		
	12	112,232	1,70	13535	81000	<b>İRFM</b>		150	1119		
	16	85,188	2,30	10274	81000						
	19	75,308	3,20	9082	80400						
	21	67,935	3,50	8193	79900						
	28	50,881	4,60	6136	79700						
	31	45,734	5,20	5516	79100						
		15	90,364	1,09	10898	68600					
		18	75,868	1,34	9150	68600					
		21	67,166	1,50	8100	68600					
		23	59,978	1,66	7233	68600	<b>İRAM</b>	<b>151 / 180 M 4b</b>	148	597	
		29	48,796	2,10	5885	68600	<b>İRFM</b>		148	647	
		35	40,390	2,80	4871	68300	<b>İRBM</b>		149	787	
	39	36,323	3,10	4381	68300						
	43	32,859	3,40	3963	67500						
	47	29,873	3,80	3603	67500						
	51	27,273	4,10	3289	67000						



P <sub>1</sub>	n <sub>2</sub>	i	S <sub>f</sub>	M <sub>2</sub>	F <sub>Qv2</sub>	Tip								
GÜÇ	Çıkış Devri	Tahvil	Servis Faktörü	Çıkış Momenti	Rad. Yük	Type								
Power	Output Speeds	Ratio	Service Factor	Output Torque	Over Loads	Typ								
Leistung	Abtriebswelle Drehzahlen	Übersetzung	Betriebsfaktor	Abtriebswelle Drehmomente	Querkräfte									
[kW] Hp	[r.p.m]			[Nm]	[N]				kg					
<b>18,5</b> 25	18	75,766	0,89	9138	44380	<b>İRAM</b> <b>İRFM</b> <b>İRAFM</b>	<b>123 / 180 M 4b</b>		145 454					
	21	66,672	1,01	8041	44350									
	24	59,160	1,13	7135	44300									
	26	52,849	1,28	6374	44250									
	29	47,474	1,40	5725	44150									
	33	42,840	1,55	5167	44100									
	34	40,700	1,60	4909	43540									
	39	36,114	1,78	4355	43500									
	43	32,262	2,00	3891	43400									
	48	28,980	2,30	3495	42800									
	54	26,151	2,50	3154	42300									
	59	23,687	2,70	2857	41500									
	65	21,522	3,00	2596	41500									
	71	19,604	3,30	2364	41500									
	78	17,894	3,60	2158	41500									
		53	26,282	2,40	3218					40000	<b>İRAM</b> <b>İRFM</b> <b>İRAFM</b>	<b>122 / C160 L 4</b>		145 438
		59	23,766	2,60	2910					40000				
		71	19,850	3,20	2430					41700	<b>İRAM</b> <b>İRFM</b> <b>İRAFM</b>	<b>122 / 180 M 4b</b>		145 448
	80	17,468	3,60	2139	41600									
	90	15,500	4,10	1898	41500									
	101	13,846	4,60	1695	41370									
	35	39,525	0,86	4767	21000	<b>İRAM</b> <b>İRFM</b> <b>İRAFM</b>	<b>103 / 180 M 4b</b>		142 335					
	39	35,870	0,97	4326	20450									
	44	31,677	1,09	3820	20100									
	50	28,155	1,25	3396	19800									
	56	25,155	1,38	3034	19600									
	62	22,568	1,54	2722	19000									
	69	20,316	1,70	2450	19000									
	76	18,336	1,90	2211	18900									
	84	16,582	2,10	2000	18900									
	93	15,104	2,30	1822	18700									
	79	17,692	1,90	2166	18500	<b>İRAM</b> <b>İRFM</b> <b>İRAFM</b>	<b>102 / 180 M 4b</b>		142 328					
	90	15,624	2,30	1913	18500									
	101	13,887	2,40	1700	18250									
	113	12,407	2,70	1519	18100									
	132	10,585	3,30	1296	18000									
	148	9,457	3,70	1158	17900									
	165	8,485	4,10	1039	17700									
	183	7,638	4,10	935	17700									
	196	7,144	4,20	875	17500									
	85	16,38	1,16	2006	12900					<b>İRAM</b> <b>İRFM</b> <b>İRAFM</b>	<b>92 / 180 M 4b</b>		139 257	
	95	14,74	1,25	1805	12750									
	105	13,32	1,38	1631	12650									
	127	11,01	1,65	1348	12450									
	139	10,05	1,78	1231	12350									
	152	9,20	1,82	1126	12200									
	168	8,31	1,90	1017	12100									
	186	7,54	2,10	923	12050									
	204	6,87	2,30	841	12000									
	223	6,27	2,60	768	11850									





P <sub>1</sub>	n <sub>2</sub>	i	S <sub>f</sub>	M <sub>2</sub>	F <sub>Qv2</sub>						
GÜÇ	Çıkış Devri	Tahvil	Servis Faktörü	Çıkış Momenti	Rad. Yük	Tip					
Power	Output Speeds	Ratio	Service Factor	Output Torque	Over Loads	Type					
Leistung	Abtriebswelle Drehzahlen	Übersetzung	Betriebsfaktor	Abtriebswelle Drehmomente	Querkräfte	Typ					
[kW] Hp	[r.p.m]			[Nm]	[N]			kg			
<b>18,5</b> 25	244	5,74	2,70	703	11800	<b>İRAM</b> <b>İRFM</b> <b>İRAFM</b>	<b>92 / 180 M 4b</b>	139 257			
	266	5,26	2,70	644	11750						
	316	4,43	2,90	542	11750						
	343	4,08	3,00	500	11600						
	373	3,75	3,40	459	11500						
	391	3,58	3,50	438	11850						
	452	3,10	3,50	380	11850						
	504	2,78	3,50	340	11850						
	548	2,55	3,60	313	11850						
	571	2,45	3,60	300	11850						
	131	10,70	0,92	1310	9400						
	145	9,68	1,01	1185	9300						
	159	8,79	1,10	1076	9250						
	188	7,43	1,22	910	9050						
	208	6,72	1,25	823	8950						
230	6,10	1,34	747	8850							
252	5,55	1,38	680	8750							
277	5,06	1,42	620	8650	<b>İRAM</b> <b>İRFM</b> <b>İRAFM</b>	<b>82 / 180 M 4b</b>	136 237				
303	4,62	1,46	566	8550							
332	4,22	1,50	517	8400							
346	4,05	1,54	496	8250							
379	3,69	1,62	452	8150							
415	3,37	1,70	413	8050							
455	3,08	1,78	377	8000							
478	2,93	1,78	358	8000							
524	2,67	1,82	327	8000							
590	2,37	1,86	291	8000							
<b>22</b> 30	8	165,414	1,00	23724				81500	<b>İRAM</b> <b>İRFM</b>	<b>181 / 180 L 4b</b>	150 1079
	10	145,399	1,12	20853				81500			
	10	138,808	1,16	19908				80800			
	11	132,705	1,22	19032				80800			
	11	121,763	1,33	17463				80800			
	12	112,232	1,43	16096	79600						
	16	85,188	1,91	12218	79500						
	19	75,308	2,70	10801	78900						
	21	67,935	2,90	9743	78400						
	28	50,881	3,90	7297	78200						
	31	45,734	4,40	6559	77600						
	15	90,364	0,92	12960	68000	<b>İRAM</b> <b>İRFM</b> <b>İRBM</b>	<b>151 / 180 L 4b</b>	148 607			
	18	75,868	1,13	10881	68000						
	21	67,166	1,26	9633	68000						
	23	59,978	1,40	8602	67700						
29	48,796	1,74	6998	67500							
35	40,390	2,40	5793	67500							
39	36,323	2,60	5209	67000							
43	32,859	2,80	4713	66800							
47	29,873	3,20	4284	66800							
51	27,273	3,50	3911	66500							
56	24,833	3,80	3562	66000							
62	22,671	4,10	3251	65000							



P <sub>1</sub>	n <sub>2</sub>	i	S <sub>f</sub>	M <sub>2</sub>	F <sub>Qv2</sub>	Tip		
GÜÇ	Çıkış Devri	Tahvil	Servis Faktörü	Çıkış Momenti	Rad. Yük	Type	kg	
Power	Output Speeds	Ratio	Service Factor	Output Torque	Over Loads	Typ		
Leistung	Abtriebswelle Drehzahlen	Übersetzung	Betriebsfaktor	Abtriebswelle Drehmomente	Querkräfte			
[kW] Hp	[r.p.m]			[Nm]	[N]			
<b>22</b>	24	59,160	0,95	8485	44000	<b>İRAM</b> <b>İRFM</b> <b>123 / 180 L 4b</b> <b>İRAFM</b>	145 479	
	26	52,849	1,08	7580	44000			
30	29	47,474	1,18	6809	44000			
	33	42,840	1,30	6144	43900			
	34	40,700	1,35	5837	43700			
	39	36,114	1,50	5179	43600			
	43	32,262	1,70	4627	43400			
	48	28,980	1,90	4156	43000			
	54	26,151	2,10	3751	42500			
	59	23,687	2,30	3397	42000			
	65	21,522	2,50	3087	41500			
	71	19,604	2,80	2812	41500			
78	17,894	3,10	2566	41500				
71	19,850	2,70	2890	41000	<b>İRAM</b> <b>İRFM</b> <b>122 / 180 L 4b</b> <b>İRAFM</b>			145 473
80	17,468	3,00	2543	41000				
90	15,500	3,50	2257	41000				
101	13,846	3,90	2016	41000				
113	12,438	4,30	1811	40140				
122	11,495	4,60	1674	40140				
44	31,677	0,92	4543	20000	<b>İRAM</b> <b>İRFM</b> <b>103 / 180 L 4b</b> <b>İRAFM</b>			142 360
50	28,155	1,05	4038	19500				
56	25,155	1,16	3608	19500				
62	22,568	1,30	3237	19100				
69	20,316	1,43	2914	19000				
76	18,336	1,60	2630	18700				
84	16,582	1,77	2378	18500				
93	15,104	1,98	2166	18000				
79	17,692	1,60	2576	17600	<b>İRAM</b> <b>İRFM</b> <b>102 / 180 L 4b</b> <b>İRAFM</b>	142 353		
90	15,624	1,92	2275	17200				
101	13,887	2,10	2022	17000				
113	12,407	2,30	1806	16700				
132	10,585	2,80	1541	16500				
148	9,457	3,10	1377	16300				
165	8,485	3,40	1235	16000				
183	7,638	3,50	1112	16000				
196	7,144	3,60	1040	16000				
219	6,382	3,70	929	15700				
244	5,726	3,80	834	15700				
272	5,154	3,90	750	15700				
301	4,652	4,10	677	15500				
333	4,207	4,20	613	15500				
376	3,723	3,90	542	15500				
417	3,360	4,00	489	15000				
461	3,039	4,00	442	15000				
509	2,752	4,10	401	15000				
561	2,495	4,10	363	15000				
619	2,263	4,10	329	15000				
105	13,32	1,16	1939	12100	<b>İRAM</b> <b>İRFM</b> <b>92 / 180 L 4b</b> <b>İRAFM</b>	139 282		
127	11,01	1,39	1603	11800				
139	10,05	1,50	1463	11700				
152	9,20	1,53	1340	11500				
168	8,31	1,60	1210	11100				
186	7,54	1,79	1098	10900				



P <sub>1</sub>	n <sub>2</sub>	i	S <sub>f</sub>	M <sub>2</sub>	F <sub>Qv2</sub>			
GÜÇ	Çıkış Devri	Tahvil	Servis Faktörü	Çıkış Momenti	Rad. Yük	Tip		
Power	Output Speeds	Ratio	Service Factor	Output Torque	Over Loads	Type		
Leistung	Abtriebswelle Drehzahlen	Übersetzung	Betriebsfaktor	Abtriebswelle Drehmomente	Querkräfte	Typ		
[kW] Hp	[r.p.m]			[Nm]	[N]		kg	
22 30	204	6,87	1,96	1000	10900	İRAM İRFM İRAFM	92 / 180 L 4b	139 282
	223	6,27	2,20	913	10800			
	244	5,74	2,20	836	10700			
	266	5,26	2,30	766	10600			
	316	4,43	2,40	645	10600			
	343	4,08	2,50	594	10500			
	373	3,75	2,90	546	10500			
	391	3,58	2,90	521	10500			
	452	3,10	2,90	451	10500			
	504	2,78	3,00	404	10500			
	548	2,55	3,00	372	10500			
	571	2,45	3,00	357	10500			
	208	6,72	1,05	978	8750			
	230	6,10	1,12	888	8600			
	252	5,55	1,16	808	8450			
277	5,06	1,19	737	8350				
303	4,62	1,23	673	8250				
332	4,22	1,26	614	8050				
346	4,05	1,30	590	7900				
379	3,69	1,36	537	7800				
415	3,37	1,43	491	7700				
455	3,08	1,50	448	7600				
478	2,93	1,50	426	7600				
524	2,67	1,53	389	7600				
590	2,37	1,57	346	7600				
30 40	16	85,188	1,40	16660	78100	İRAM İRFM	181 / 200 L 4c	150 1125
	19	75,308	1,97	14728	77500			
	21	67,935	2,20	13286	77000			
	28	50,881	2,80	9951	76800			
	31	45,734	3,20	8944	76200			
	34	41,350	3,50	8087	76000			
	37	37,963	4,50	7424	75500			
	41	34,324	4,90	6713	75000			
	29	48,796	1,28	9543	66000			
	39	36,323	1,90	7104	66000			
	43	32,859	2,10	6426	65400			
	47	29,873	2,40	5842	65200			
	51	27,273	2,50	5334	65000			
	56	24,833	2,80	4857	64900			
	62	22,671	3,00	4434	64500			
67	20,772	3,30	4062	64200				
73	19,089	3,60	3733	64000				
74	18,795	3,50	3676	63000				
82	17,002	3,90	3325	63000				
87	16,126	4,30	3154	62400				
29	47,474	0,86	9285	44250				
33	42,840	0,95	8378	44250				
34	40,700	0,99	7960	44000				
39	36,114	1,10	7063	44000				
43	32,262	1,25	6310	43990				
48	28,980	1,39	5668	43970				
54	26,151	1,54	5114	43000				



P <sub>1</sub>	n <sub>2</sub>	i	S <sub>f</sub>	M <sub>2</sub>	F <sub>Qv2</sub>		Tip			
GÜÇ	Çıkış Devri	Tahvil	Servis Faktörü	Çıkış Momenti	Rad. Yük		Type			
Power	Output Speeds	Ratio	Service Factor	Output Torque	Over Loads		Typ			
Leistung	Abtriebswelle Drehzahlen	Übersetzung	Betriebsfaktor	Abtriebswelle Drehmomente	Querkräfte					
[kW]	[r.p.m]			[Nm]	[N]				kg	
Hp										
<b>30</b>	59	23,687	1,69	4632	42000	<b>İRAM</b>	<b>123 / 200 L 4c</b>		145	534
	65	21,522	1,85	4209	42000				<b>İRFM</b>	146
<b>40</b>	71	19,604	2,10	3834	41500	<b>İRAFM</b>			147	564
	78	17,894	2,30	3500	41500					
	80	17,468	2,20	3468	42000					
	90	15,500	2,50	3078	42000					
	101	13,846	2,80	2749	41800					
	113	12,438	3,20	2470	40500					
	122	11,495	3,40	2282	40500					
	137	10,200	3,80	2025	40210					
	154	9,112	4,20	1809	39100					
	171	8,185	4,30	1625	38900	<b>İRAM</b>	<b>122 / 200 L 4c</b>		145	528
	181	7,724	4,40	1534	38440				<b>İRFM</b>	146
	202	6,938	4,40	1378	38000	<b>İRAFM</b>			147	558
	224	6,261	4,40	1243	37800					
	247	5,671	4,40	1126	37400					
	272	5,153	4,30	1023	37400					
	298	4,694	4,30	932	37400					
	327	4,284	4,30	851	37400					
	357	3,917	4,30	778	37400					
	391	3,585	4,30	712	37400					
	426	3,284	4,30	652	37400					
	62	22,57	0,95	4414	15900	<b>İRAM</b>	<b>103 / 200 L 4c</b>		142	415
	69	20,32	1,05	3973	15900				<b>İRFM</b>	143
	76	18,34	1,17	3586	15900	<b>İRAFM</b>			144	440
	84	16,58	1,30	3243	15900					
	93	15,10	1,45	2954	15900					
	90	15,624	1,41	3102	15700					
	101	13,887	1,50	2757	15700					
	113	12,407	1,69	2463	15500					
	132	10,585	2,00	2102	15100					
	148	9,457	2,30	1878	15100					
	165	8,485	2,50	1685	14800					
	183	7,638	2,60	1517	14500					
	196	7,144	2,60	1418	14500					
	219	6,382	2,70	1267	14500	<b>İRAM</b>	<b>102 / 200 L 4c</b>		142	408
	244	5,726	2,80	1137	14500				<b>İRFM</b>	143
	272	5,154	2,80	1023	14350	<b>İRAFM</b>			144	433
	301	4,652	3,00	924	14100					
	333	4,207	3,00	835	14100					
	376	3,723	2,90	739	14100					
	417	3,360	2,90	667	14100					
	461	3,039	2,90	603	13850					
	509	2,752	3,00	546	13850					
	561	2,495	3,00	495	13850					
	619	2,263	3,00	449	13850					
	204	6,87	1,43	1364	10600					
	223	6,27	1,57	1245	10500	<b>İRAM</b>	<b>92 / 200 L 4c</b>		139	337
	244	5,74	1,63	1140	10500				<b>İRFM</b>	140
	266	5,26	1,66	1044	10350	<b>İRAFM</b>			141	357
	316	4,43	1,78	880	10200					
	343	4,08	1,82	810	10100					



P <sub>1</sub>	n <sub>2</sub>	i	S <sub>f</sub>	M <sub>2</sub>	F <sub>Qv2</sub>		Tip							
GÜÇ	Çıkış Devri	Tahvil	Servis Faktörü	Çıkış Momenti	Rad. Yük		Type							
Power	Output Speeds	Ratio	Service Factor	Output Torque	Over Loads		Typ							
Leistung	Abtriebswelle Drehzahlen	Übersetzung	Betriebsfaktor	Abtriebswelle Drehmomente	Querkräfte									
[kW] Hp	[r.p.m]			[Nm]	[N]				kg					
<b>30</b> 40	373	3,75	2,10	745	10000	<b>İRAM</b> <b>İRFM</b> <b>İRAFM</b>	<b>92 / 200 L 4c</b>		139	337				
	391	3,58	2,10	711	10000				140	347				
	452	3,10	2,10	616	10000				141	357				
	504	2,78	2,20	551	10000									
	548	2,55	2,20	507	10000									
	571	2,45	2,20	486	10000									
<b>37</b> 50	19	75,308	1,60	18165	76700	<b>İRAM</b> <b>İRFM</b>	<b>181 / 225 S 4a</b>		150	1161				
	21	67,935	1,75	16386	76100				150	1211				
	28	50,881	2,30	12273	75600									
	31	45,734	2,60	11031	75400									
	34	41,350	2,80	9974	74800									
	37	37,963	3,60	9157	74600									
	41	34,324	4,00	8279	74100									
	45	31,187	4,40	7522	73600									
	49	28,454	4,90	6863	73600									
		29	48,796	1,03	11770				64750	<b>İRAM</b> <b>İRFM</b> <b>İRBM</b>	<b>151 / 225 S 4a</b>		148	689
		39	36,323	1,55	8761				64750				148	739
		43	32,859	1,69	7926				64100				149	879
		47	29,873	1,90	7206				63900					
	51	27,273	2,10	6578	63650									
	56	24,833	2,30	5990	63500									
	62	22,671	2,40	5468	63300									
	67	20,772	2,70	5010	63000									
	73	19,089	2,90	4604	63000									
	74	18,795	2,80	4533	62700									
	82	17,002	3,20	4101	62500									
	87	16,126	3,50	3890	62200									
	93	15,003	3,70	3619	61900									
	97	14,363	3,70	3464	61700									
	106	13,200	4,10	3184	61500									
	43	32,262	1,01	7782	44000	<b>İRAM</b> <b>İRFM</b> <b>İRAFM</b>	<b>123 / 225 S 4a</b>		145	569				
	48	28,980	1,13	6990	43970				146	571				
	54	26,151	1,25	6308	42300				147	599				
	59	23,687	1,38	5713	41500									
	65	21,522	1,50	5191	41000									
	71	19,604	1,66	4729	41000									
	78	17,894	1,82	4316	41500									
	80	17,468	1,82	4278	41000	<b>İRAM</b> <b>İRFM</b> <b>İRAFM</b>	<b>122 / 225 S 4a</b>		145	513				
	90	15,500	2,00	3796	41000				146	515				
	101	13,846	2,30	3391	40900				147	543				
	113	12,438	2,60	3046	40140									
	122	11,495	2,70	2815	40140									
	137	10,200	3,10	2498	40210									
	154	9,112	3,40	2231	39100									
	171	8,185	3,50	2004	38900									
	181	7,724	3,60	1891	38440									
	202	6,938	3,60	1699	38000									
	224	6,261	3,60	1533	37800									
	247	5,671	3,60	1389	37400									
	272	5,153	3,50	1262	37400									
	298	4,694	3,50	1149	37400									
	327	4,284	3,50	1049	37400									



P <sub>1</sub>	n <sub>2</sub>	i	S <sub>f</sub>	M <sub>2</sub>	F <sub>Qv2</sub>		Tip				
GÜÇ	Çıkış Devri	Tahvil	Servis Faktörü	Çıkış Momenti	Rad. Yük		Type				
Power	Output Speeds	Ratio	Service Factor	Output Torque	Over Loads		Typ				
Leistung	Abtriebswelle Drehzahlen	Übersetzung	Betriebsfaktor	Abtriebswelle Drehmomente	Querkräfte						
[kW]	[r.p.m]			[Nm]	[N]				kg		
Hp											
<b>37</b>	357	3,917	3,50	959	37400	<b>İRAM</b>	<b>122 / 225 S 4a</b>		145	513	
	391	3,585	3,50	878	37400				<b>İRFM</b>	146	515
<b>50</b>	426	3,284	3,50	804	37400	<b>İRAFM</b>			147	543	
	90	15,624	1,14	3826	15000						
	101	13,887	1,22	3401	14600						
	113	12,407	1,37	3038	14600						
	132	10,585	1,65	2592	14350						
	148	9,457	1,85	2316	14350						
	165	8,485	2,00	2078	14100						
	183	7,638	2,10	1870	14100						
	196	7,144	2,10	1749	14100						
	219	6,382	2,20	1563	14100	<b>İRAM</b>	<b>102 / 225 S 4a</b>		142	443	
	244	5,726	2,20	1402	13800				<b>İRFM</b>	143	446
	272	5,154	2,30	1262	13800	<b>İRAFM</b>			144	468	
	301	4,652	2,40	1139	13800						
	333	4,207	2,50	1030	13800						
	376	3,723	2,30	912	13500						
	417	3,360	2,40	823	13500						
	461	3,039	2,40	744	13500						
	509	2,752	2,40	674	13450						
	561	2,495	2,40	611	13300						
	619	2,263	2,40	554	13200						
<b>45</b>	21	67,935	1,44	19929	75340	<b>İRAM</b>	<b>181 / 225 M 4c</b>		150	1185	
	28	50,881	1,89	14926	74740						<b>İRFM</b>
	31	45,734	2,10	13416	74240						
	34	41,350	2,30	12130	74040						
	37	37,963	3,00	11137	73440						
	41	34,324	3,30	10069	73240						
	45	31,187	3,60	9149	72740						
	49	28,454	4,00	8347	72240						
	54	26,053	4,30	7643	72240						
	65	21,694	5,20	6364	72000						
70	19,923	5,70	5845	71500							
	43	32,859	1,39	9639	63100						
	47	29,873	1,57	8763	62900						
	51	27,273	1,70	8001	62650						
	56	24,833	1,85	7285	62500						
	62	22,671	2,00	6651	62300						
	67	20,772	2,20	6094	62000						
	73	19,089	2,40	5600	62000						
	74	18,795	2,30	5514	61700	<b>İRAM</b>	<b>151 / 225 M 4c</b>		148	713	
	82	17,002	2,60	4988	61500				<b>İRFM</b>	148	769
	87	16,126	2,80	4731	61200	<b>İRBM</b>			149	903	
	93	15,003	3,10	4401	60900						
	97	14,363	3,10	4213	60700						
	106	13,200	3,30	3872	60500						
	114	12,280	3,50	3602	60000						
	123	11,388	3,60	3341	60000						
	124	11,285	3,90	3311	60000						
	135	10,344	3,90	3034	60000						





P <sub>1</sub>	n <sub>2</sub>	i	S <sub>f</sub>	M <sub>2</sub>	F <sub>Qv2</sub>		Tip			
GÜÇ	Çıkış Devri	Tahvil	Servis Faktörü	Çıkış Momenti	Rad. Yük		Type			
Power	Output Speeds	Ratio	Service Factor	Output Torque	Over Loads		Typ			
Leistung	Abtriebswelle Drehzahlen	Übersetzung	Betriebsfaktor	Abtriebswelle Drehmomente	Querkräfte					
[kW]	[r.p.m]			[Nm]	[N]				kg	
Hp										
<b>45</b>	54	26,151	1,03	7672	42500					
	59	23,687	1,12	6949	41500	<b>İRAM</b>	<b>123 / 225 M 4c</b>	145	614	
60	65	21,522	1,23	6314	41500	<b>İRFM</b>		146	616	
	71	19,604	1,37	5751	41500	<b>İRAFM</b>		147	644	
	78	17,894	1,50	5249	41500					
	80	17,468	1,50	5202	40200					
	90	15,500	1,70	4616	40200					
	101	13,846	1,90	4124	40200					
	113	12,438	2,10	3704	40200					
	122	11,495	2,30	3423	40140					
	137	10,200	2,50	3038	40210					
	154	9,112	2,80	2714	39100					
	171	8,185	2,90	2438	38900	<b>İRAM</b>	<b>122 / 225 M 4c</b>	145	608	
	181	7,724	2,90	2300	38440	<b>İRFM</b>		146	610	
	202	6,938	2,90	2066	38000	<b>İRAFM</b>		147	638	
	224	6,261	2,90	1865	37800					
	247	5,671	2,90	1689	36200					
	272	5,153	2,90	1535	36200					
	298	4,694	2,90	1398	36200					
	327	4,284	2,90	1276	36200					
	357	3,917	2,90	1167	36000					
	391	3,585	2,90	1068	36000					
	426	3,284	2,90	978	36000					
	101	13,887	1,00	4136	14000					
	113	12,407	1,12	3695	14000					
	132	10,585	1,35	3152	14000					
	148	9,457	1,52	2817	14000					
	165	8,485	1,68	2527	13800					
	183	7,638	1,71	2275	13800					
	196	7,144	1,76	2128	13800					
	219	6,382	1,80	1901	13500	<b>İRAM</b>	<b>102 / 225 M 4c</b>	142	488	
	244	5,726	1,85	1705	13500	<b>İRFM</b>		143	491	
	272	5,154	1,90	1535	13500	<b>İRAFM</b>		144	513	
	301	4,652	2,00	1385	13500					
	333	4,207	2,00	1253	13500					
	376	3,723	1,90	1109	13500					
	417	3,360	1,96	1001	13300					
	461	3,039	1,96	905	13300					
	509	2,752	2,00	820	13000					
	561	2,495	2,00	743	13000					
	619	2,263	2,00	674	13000					
<b>55</b>	28	50,881	1,55	18243	73380	<b>İRAM</b>	<b>181 / C225 M 4</b>	150	1241	
	75					<b>İRFM</b>		150	1291	
	31	45,734	1,75	16398	72880					
	34	41,350	1,92	14826	72680					
	37	37,963	2,40	13612	72080					
	41	34,324	2,70	12307	71880	<b>İRAM</b>	<b>181 / 250 M 4c</b>	150	1291	
	45	31,187	2,90	11182	71380	<b>İRFM</b>		150	1341	
	49	28,454	3,30	10202	70880					
	54	26,053	3,50	9341	70880					
	65	21,694	4,20	7778	70640					
	70	19,923	4,60	7143	70140					



P <sub>1</sub>	n <sub>2</sub>	i	S <sub>f</sub>	M <sub>2</sub>	F <sub>Qv2</sub>		Tip		
GÜÇ	Çıkış Devri	Tahvil	Servis Faktörü	Çıkış Momenti	Rad. Yük		Type		
Power	Output Speeds	Ratio	Service Factor	Output Torque	Over Loads		Typ		
Leistung	Abtriebswelle Drehzahlen	Übersetzung	Betriebsfaktor	Abtriebswelle Drehmomente	Querkräfte				
[kW] Hp	[r.p.m]			[Nm]	[N]				kg
<b>55</b>	76	18,344	5,00	6577	70100				
	83	16,926	5,40	6069	70050	<b>İRAM İRFM</b>	<b>181 / 250 M 4c</b>	150	1291
75	87	16,027	5,90	5746	70000				
	90	15,544	4,00	5573	70000				
	101	13,912	4,60	4988	70000				
	47	29,873	1,28	10711	61450				
	51	27,273	1,39	9779	61200				
	56	24,833	1,51	8904	61050				
	62	22,671	1,65	8129	60850				
	67	20,772	1,81	7448	60550				
	73	19,089	1,96	6844	60550				
	74	18,795	1,92	6739	60250				
	82	17,002	2,10	6096	60050				
	87	16,126	2,30	5782	59750	<b>İRAM İRFM</b>	<b>151 / 250 M 4c</b>	148	819
	93	15,003	2,50	5379	59450				
	97	14,363	2,50	5150	59250	<b>İRFM İRBM</b>		149	1009
	106	13,200	2,70	4733	59050				
	114	12,280	2,90	4403	58550				
	123	11,388	2,90	4083	58550				
	124	11,285	3,20	4046	58500				
	135	10,344	3,20	3709	58500				
	148	9,435	3,50	3383	58000				
	155	9,023	3,70	3235	57800				
	162	8,636	3,80	3096	57500				
	177	7,928	4,20	2843	57000				
	80	17,468	1,23	6358	40500				
	90	15,500	1,39	5642	40500				
	101	13,846	1,55	5040	40500				
	113	12,438	1,75	4528	40140	<b>İRAM İRFM</b>	<b>122 / C225 M 4</b>	145	648
	122	11,495	1,85	4184	40140				
	137	10,200	2,10	3713	40210	<b>İRAFAM</b>		147	678
	154	9,112	2,30	3317	39100				
	171	8,185	2,30	2979	38900				
	181	7,724	2,30	2812	38440				
	202	6,938	2,30	2525	38000				
	224	6,261	2,40	2279	35600				
	247	5,671	2,40	2064	35600				
	272	5,153	2,30	1876	35600	<b>İRAM İRFM</b>	<b>122 / 250 M 4c</b>	145	574
	298	4,694	2,30	1709	35600				
	327	4,284	2,30	1559	35000	<b>İRAFAM</b>		147	604
	357	3,917	2,30	1426	35000				
	391	3,585	2,30	1305	35000				
	426	3,284	2,30	1195	35000				
<b>75</b>	34	41,350	1,41	20217	71200				
	37	37,963	1,79	18561	70600				
100	41	34,324	1,96	16782	70400	<b>İRAM İRFM</b>	<b>181 / 280 S 4</b>	150	1414
	45	31,187	2,20	15248	69900				
	49	28,454	2,40	13912	69400				
	54	26,053	2,60	12738	69400				
	65	21,694	3,10	10607	69160				
	76	18,344	3,70	8969	68660				
	83	16,926	4,00	8276	68620				







P <sub>1</sub>	n <sub>2</sub>	i	S <sub>f</sub>	M <sub>2</sub>	F <sub>Qv2</sub>					
GÜÇ	Çıkış Devri	Tahvil	Servis Faktörü	Çıkış Momenti	Rad. Yük	Tip				
Power	Output Speeds	Ratio	Service Factor	Output Torque	Over Loads	Type				
Leistung	Abtriebswelle Drehzahlen	Übersetzung	Betriebsfaktor	Abtriebswelle Drehmomente	Querkräfte	Typ				
[kW] Hp	[r.p.m]			[Nm]	[N]					
									kg	
<b>75</b> 100	87	16,027	2,90	7836	68570	<b>İRAM</b> <b>İRFM</b>	<b>181 / 280 S 4</b>	150	1414	
	90	15,544	4,30	7600	68520			150	1464	
	101	13,912	3,40	6802	68520					
	115	12,200	3,80	5965	68520					
		130	10,785	4,30	5273	68520				
		67	20,772	1,33	10156	59400				
		73	19,089	1,44	9333	59400				
		74	18,795	1,41	9189	59100				
		82	17,002	1,56	8313	58900				
		87	16,126	1,72	7884	58600				
		93	15,003	1,84	7335	58600				
		97	14,363	1,84	7022	58100				
		106	13,200	2,00	6454	57900				
		114	12,280	2,10	6004	57400				
	124	11,285	2,30	5518	57300					
	135	10,344	2,40	5057	57300					
	148	9,435	2,60	4613	57300	<b>İRAM</b>	<b>151 / 280 S 4</b>	148	942	
	155	9,023	2,70	4412	56150	<b>İRFM</b>		148	992	
	162	8,636	2,80	4222	56150	<b>İRBM</b>		149	1132	
	177	7,928	3,10	3876	56000					
	183	7,639	2,80	3735	56000					
	192	7,297	3,30	3568	55400					
	201	6,967	3,00	3406	55100					
	210	6,663	3,00	3258	55000					
	220	6,377	3,10	3118	54800					
	239	5,854	3,30	2862	54800					
	257	5,454	3,00	2667	54500					
	268	5,220	3,10	2552	54000					
	292	4,792	3,30	2343	54000					
	372	3,759	3,80	1838	54000					
<b>90</b> 120	41	34,324	1,64	20138	68680	<b>İRAM</b> <b>İRFM</b>	<b>181 / 280 M 4</b>	150	1468	
	45	31,187	1,81	18298	68180			150	1518	
	49	28,454	2,00	16694	67680					
	54	26,053	2,20	15286	67680					
	65	21,694	2,60	12728	67440					
	70	19,923	2,80	11689	66940					
	76	18,344	3,10	10763	66900					
	83	16,926	3,30	9931	66850					
	87	16,027	2,40	9403	66800					
	90	15,544	3,60	9120	66800					
	101	13,912	2,80	8162	66500					
	115	12,200	3,20	7158	66300					
	130	10,785	3,60	6328	66150					
	146	9,597	4,00	5631	66000					
	82	17,002	1,30	9975	57900	<b>İRAM</b> <b>İRFM</b> <b>İRBM</b>	<b>151 / 280 M 4</b>	148	996	
	87	16,126	1,43	9461	57600			148	1046	
	93	15,003	1,53	8802	57600			149	1186	
	97	14,363	1,53	8427	57100					
	106	13,200	1,67	7745	56900					
	114	12,280	1,77	7205	56400					
	124	11,285	1,93	6621	56300					
	135	10,344	1,97	6069	56300					



P <sub>1</sub>	n <sub>2</sub>	i	S <sub>f</sub>	M <sub>2</sub>	F <sub>Qv2</sub>							
GÜÇ	Çıkış Devri	Tahvil	Servis Faktörü	Çıkış Momenti	Rad. Yük	Tip						
Power	Output Speeds	Ratio	Service Factor	Output Torque	Over Loads	Type						
Leistung	Abtriebswelle Drehzahlen	Übersetzung	Betriebsfaktor	Abtriebswelle Drehmomente	Querkräfte	Typ						
[kW] Hp	[r.p.m]			[Nm]	[N]		kg					
<b>90</b> 120	148	9,435	2,20	5536	56300	<b>İRAM</b> <b>İRFM</b> <b>İRBM</b>	<b>151 / 280 M 4</b>	148 996 148 1046 149 1186				
	155	9,023	2,30	5294	55150							
	162	8,636	2,40	5067	55150							
	177	7,928	2,60	4651	55000							
	183	7,639	2,30	4482	55000							
	192	7,297	2,80	4281	54400							
	201	6,967	2,50	4088	54100							
	210	6,663	2,50	3909	54000							
	220	6,377	2,60	3741	53800							
	239	5,854	2,70	3435	53800							
	257	5,454	2,50	3200	53500							
	268	5,220	2,60	3063	52900							
	292	4,792	2,70	2812	52900							
	372	3,759	3,10	2205	52900							
<b>110</b> 150	45	31,187	1,48	22364	66240	<b>İRAM</b> <b>İRFM</b>	<b>181 / 315 S 4</b>	150 1618 150 1668				
	49	28,454	1,64	20404	65740							
	54	26,053	1,77	18682	65740							
	65	21,694	2,10	15557	65500							
	70	19,923	2,30	14287	65000							
	76	18,344	2,50	13154	64960							
	83	16,926	2,70	12138	64910							
	87	16,027	2,00	11493	64860							
	90	15,544	2,90	11147	64750							
	101	13,912	2,30	9976	64500							
	115	12,200	2,60	8749	64000							
	130	10,785	3,00	7734	64000							
	146	9,597	3,30	6882	63500							
	160	8,772	4,50	6290	63500							
	179	7,806	5,00	5598	63000							
		148	9,435	1,77	6766				55050	<b>İRAM</b> <b>İRFM</b> <b>İRBM</b>	<b>151 / C280 M 4</b>	148 1059 148 1109 149 1249
		155	9,023	1,85	6470				53900			
		162	8,636	1,94	6193				53900			
		177	7,928	2,10	5685				53750			
183		7,639	1,91	5478	53750							
192		7,297	2,30	5233	53150							
201		6,967	2,00	4996	52750							
210		6,663	2,10	4778	52650							
220		6,377	2,10	4573	52450							
239		5,854	2,30	4198	52450							
257		5,454	2,10	3911	51950							
268		5,220	2,10	3743	51350							
292		4,792	2,30	3436	50900							
372		3,759	2,60	2696	50000							
<b>132</b> 180	65	21,694	1,77	18668	63340	<b>İRAM</b> <b>İRFM</b>	<b>181 / 315 M 4a</b>	150 1700 150 1750				
	70	19,923	1,93	17144	62840							
	76	18,344	2,10	15785	62800							
	83	16,926	2,30	14565	62750							
	87	16,027	1,67	13791	62700							
	90	15,544	2,50	13376	62590							
	101	13,912	1,91	11971	62340							
	115	12,200	2,20	10498	61840							

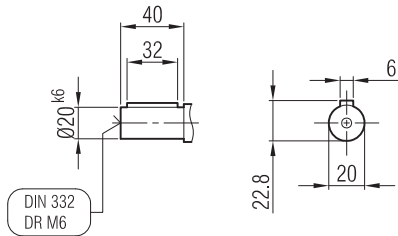
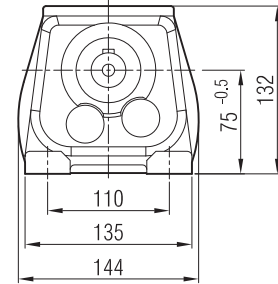
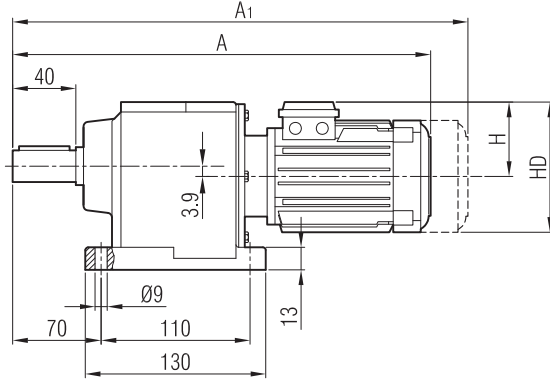


P <sub>1</sub>	n <sub>2</sub>	i	S <sub>f</sub>	M <sub>2</sub>	F <sub>Qv2</sub>				
GÜÇ	Çıkış Devri	Tahvil	Servis Faktörü	Çıkış Momenti	Rad. Yük	Tip			
Power	Output Speeds	Ratio	Service Factor	Output Torque	Over Loads	Type			
Leistung	Abtriebswelle Drehzahlen	Übersetzung	Betriebsfaktor	Abtriebswelle Drehmomente	Querkräfte	Typ			
[kW] Hp	[r.p.m]			[Nm]	[N]				
								kg	
<b>132</b> 180	130	10,785	2,40	9281	61840	<b>İRAM</b> <b>İRFM</b>	<b>181 / 315 M 4a</b>	150	1700
	146	9,597	2,70	8258	61340			150	1750
	160	8,772	3,70	7548	61340				
	179	7,806	4,20	6717	60840				
<b>160</b> 220	130	10,785	2,00	11249	58000	<b>İRAM</b> <b>İRFM</b>	<b>181 / 315 M 4b</b>	150	1777
	146	9,597	2,30	10010	58000			150	1827
	160	8,772	3,10	9150	55000				
	179	7,806	3,40	8142	53500				
<b>185</b> 250	130	10,785	1,75	13007	56000	<b>İRAM</b> <b>İRFM</b>	<b>181 / 315 L 4a</b>	150	1791
	146	9,597	1,96	11574	55500			150	1841
	160	8,772	2,70	10579	53000				
	179	7,806	3,00	9414	51000				

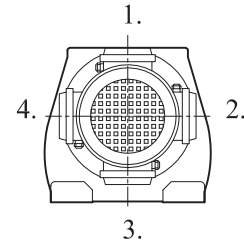


## İRAM 42

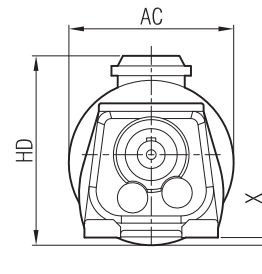
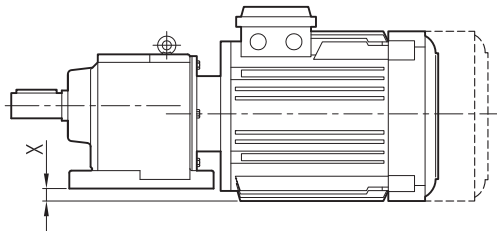
## İRAM 43



### Klemens Pozisyonları Terminal Box Positions Klemmenkasten Positionen



### 63-71-80-90 Tip/Type/Typ



	56	63	71	80	90 S	90 L								
A		356	384	414	433	458								
A <sub>1</sub>		414	457	497	518	543								
H		99	111	118	132	132								
HD		162	182	198	222	222								
AC		123	132	158	193	193								
X		-	-	7.9	25.4	25.4								

"A<sub>1</sub>" Ölçüsü Frenli Motorlar içindir.

Dimension "A<sub>1</sub>" is for motors with brake

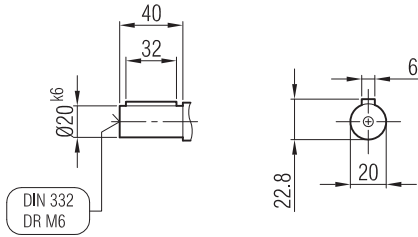
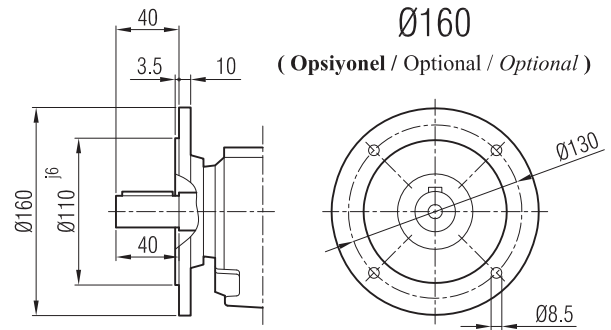
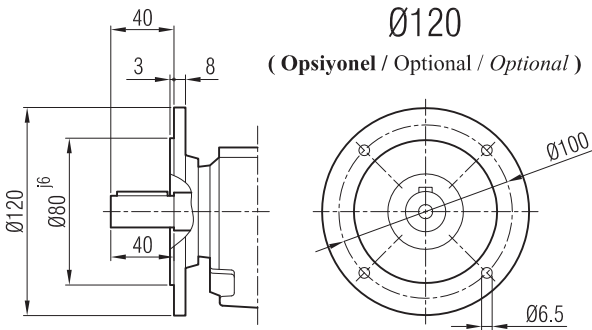
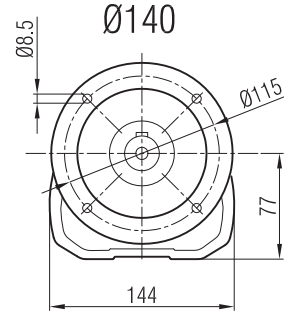
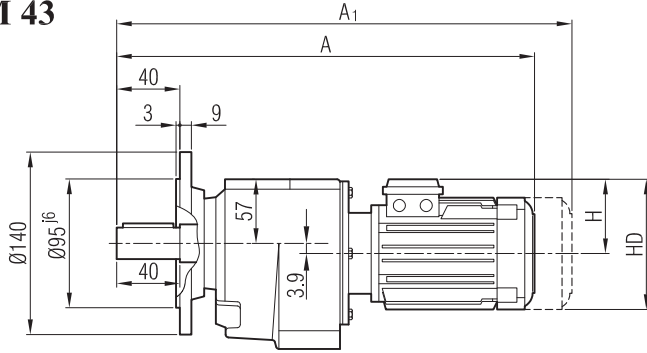
Maß "A<sub>1</sub>" ist für Motoren mit Bremse



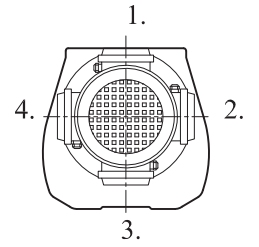


## İRFM 42

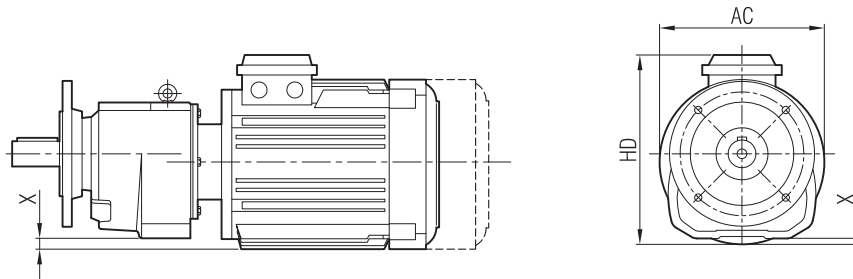
## İRFM 43



**Klemens Pozisyonları**  
Terminal Box Positions  
Klemmenkasten Positionen



63-71-80-90 Tip/Type/Typ



	56	63	71	80	90 S	90 L									
A		356	384	414	433	458									
A <sub>1</sub>		414	457	497	518	543									
H		99	111	118	132	132									
HD		162	182	198	222	222									
AC		123	132	158	193	193									
X		-	-	5.9	23.4	23.4									

"A<sub>1</sub>" Ölçüsü Frenli Motorlar içindir.

Dimension "A<sub>1</sub>" is for motors with brake

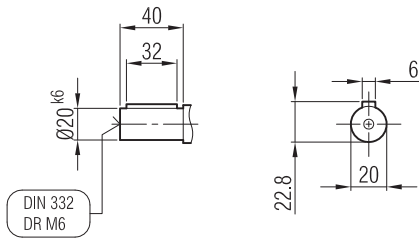
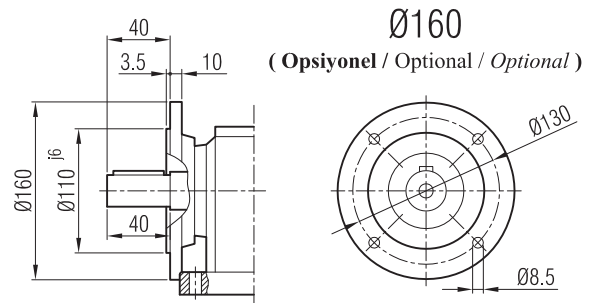
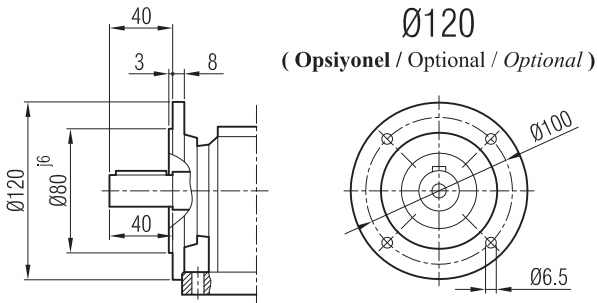
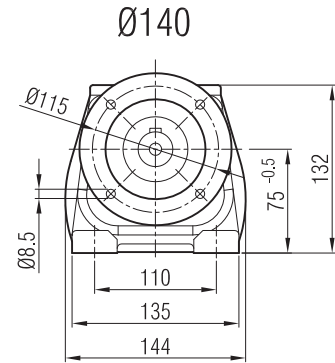
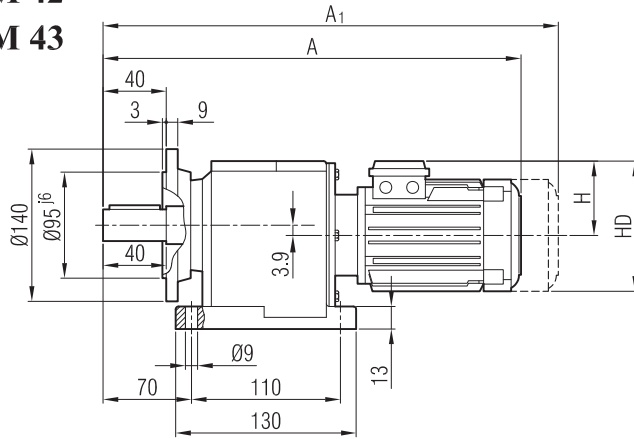
Maß "A<sub>1</sub>" ist für Motoren mit Bremse



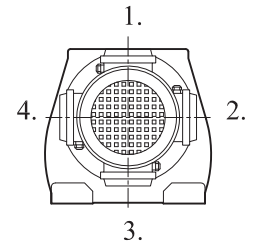


#### İRAFM 42

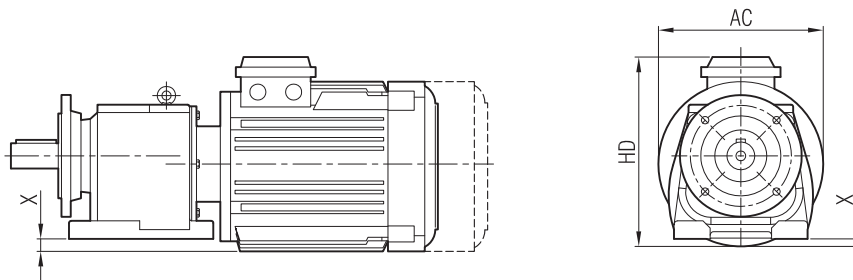
#### İRAFM 43



**Klemens Pozisyonları**  
Terminal Box Positions  
Klemmenkasten Positionen



63-71-80-90 Tip/Type/Typ



	56	63	71	80	90 S	90 L									
A		356	384	414	433	458									
A <sub>1</sub>		414	457	497	518	543									
H		99	111	118	132	132									
HD		162	182	198	222	222									
AC		123	132	158	193	193									
X		-	-	7.9	25.4	25.4									

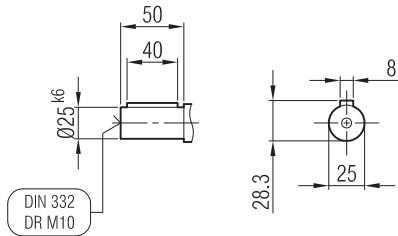
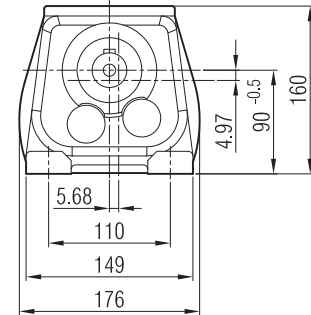
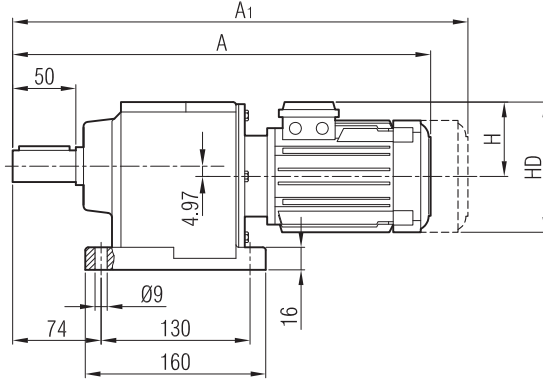
"A<sub>1</sub>" Ölçüsü Frenli Motorlar içindir.  
Dimension "A<sub>1</sub>" is for motors with brake  
Maß "A<sub>1</sub>" ist für Motoren mit Bremse



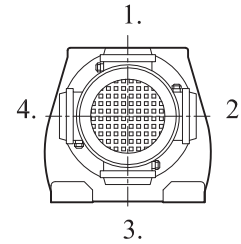


## İRAM 52

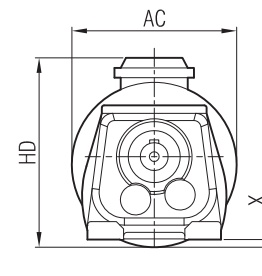
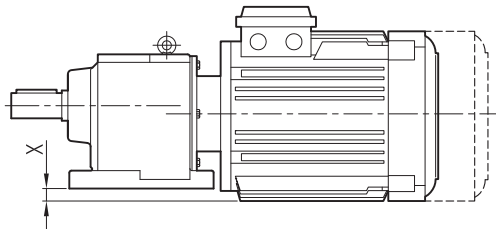
## İRAM 53



### Klemens Pozisyonları Terminal Box Positions Klemmenkasten Positionen



63-71-80-90-100 Tip/Type/Typ



	56	63	71	80	90 S	90 L	100									
A		431	417	447	466	491	520									
A <sub>1</sub>		489	490	530	551	576	622									
H		99	111	118	132	132	141									
HD		162	182	198	222	222	241									
AC		123	132	158	193	193	217									
X		-	-	-	5	5	15									

"A<sub>1</sub>" Ölçüsü Frenli Motorlar içindir.

Dimension "A<sub>1</sub>" is for motors with brake

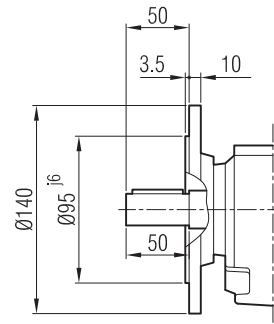
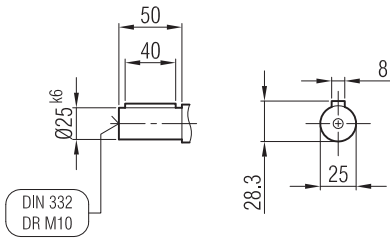
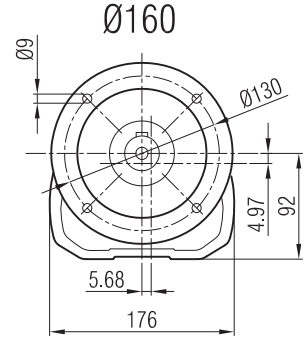
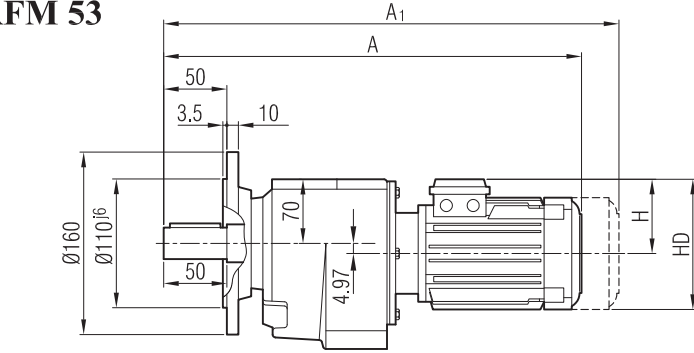
Maß "A<sub>1</sub>" ist für Motoren mit Bremse



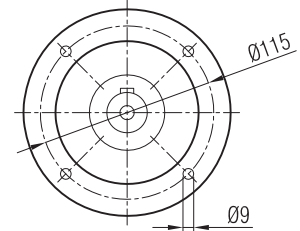


## İRFM 52

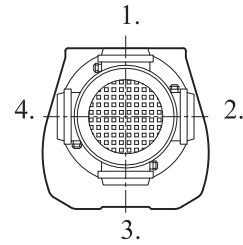
## İRFM 53



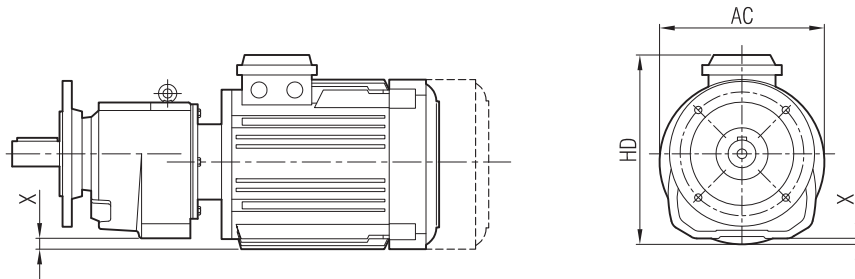
## Ø140 ( Opsiyonel / Optional / Optional )



### Klemens Pozisyonları Terminal Box Positions Klemmenkasten Positionen



63-71-80-90-100 Tip/Type/Typ



	56	63	71	80	90 S	90 L	100									
A		431	417	447	466	491	520									
A <sub>1</sub>		489	490	530	551	576	622									
H		99	111	118	132	132	141									
HD		162	182	198	222	222	241									
AC		123	132	158	193	193	217									
X		-	-	-	3	3	13									

"A<sub>1</sub>" Ölçüsü Frenli Motorlar içindir.

Dimension "A<sub>1</sub>" is for motors with brake

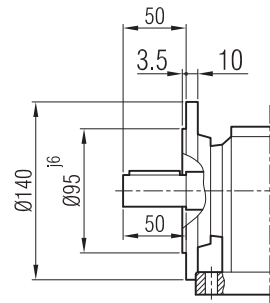
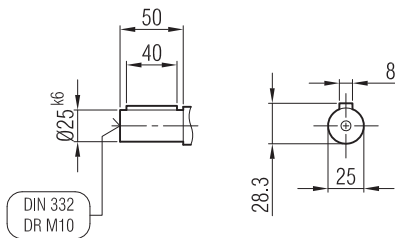
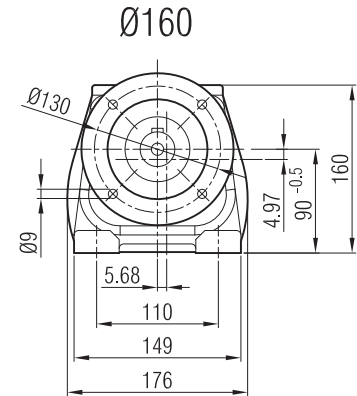
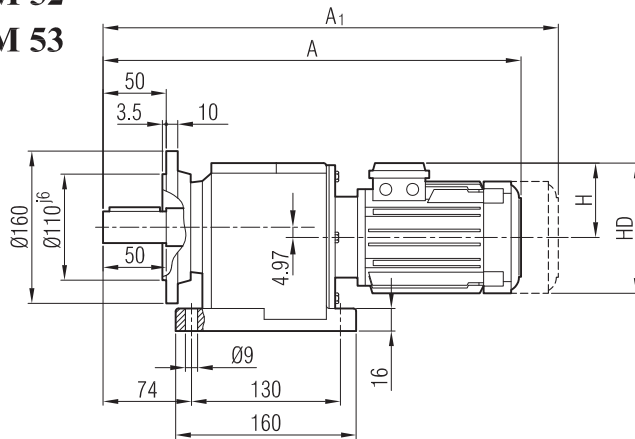
Maß "A<sub>1</sub>" ist für Motoren mit Bremse



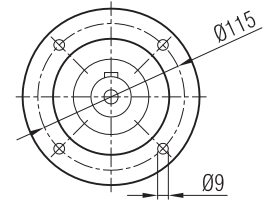




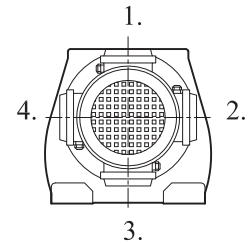
#### İRAFM 52 İRAFM 53



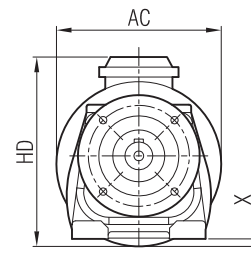
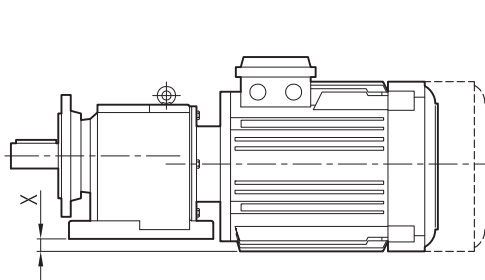
#### Ø140 (Opsiyonel / Optional / Optional)



#### Klemens Pozisyonları Terminal Box Positions Klemmenkasten Positionen



63-71-80-90-100 Tip/Type/Typ



	56	63	71	80	90 S	90 L	100								
A		431	417	447	466	491	520								
A <sub>1</sub>		489	490	530	551	576	622								
H		99	111	118	132	132	141								
HD		162	182	198	222	222	241								
AC		123	132	158	193	193	217								
X		-	-	-	5	5	15								

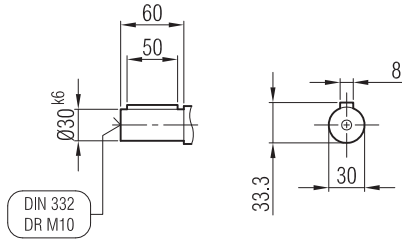
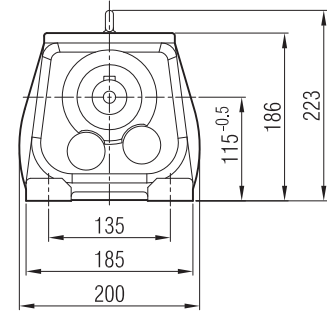
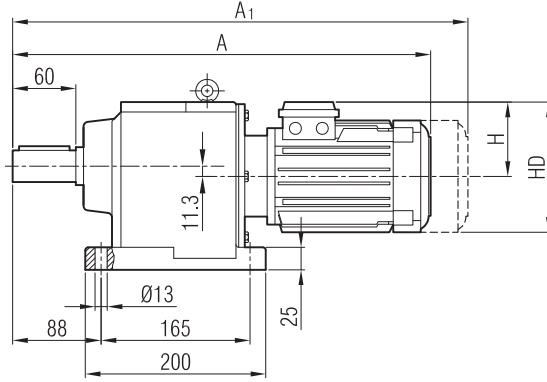
"A<sub>1</sub>" Ölçüsü Frenli Motorlar içindir.  
Dimension "A<sub>1</sub>" is for motors with brake  
Maß "A<sub>1</sub>" ist für Motoren mit Bremse



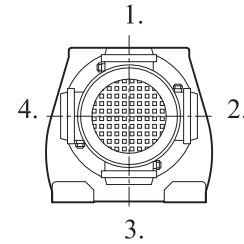


## İRAM 621

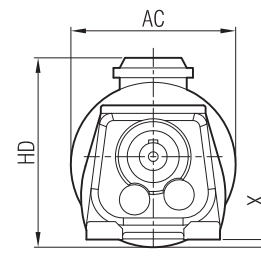
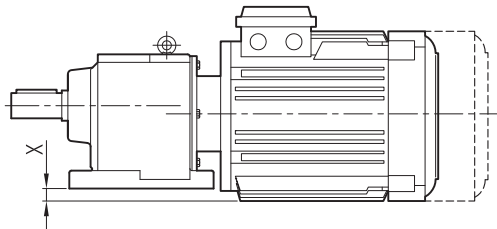
## İRAM 631



### Klemens Pozisyonları Terminal Box Positions Klemmenkasten Positionen



63-71-80-90-100-112 Tip/Type/Typ



	56	63	71	80	90 S	90 L	100	112								
A			452	482	507	532	574	595								
A <sub>1</sub>			525	565	592	617	676	707								
H			111	118	132	132	141	149								
HD			182	198	222	222	241	261								
AC			132	158	193	193	217	232								
X			-	-	-	-	-	8.5								

"A<sub>1</sub>" Ölçüsü Frenli Motorlar içindir.

Dimension "A<sub>1</sub>" is for motors with brake

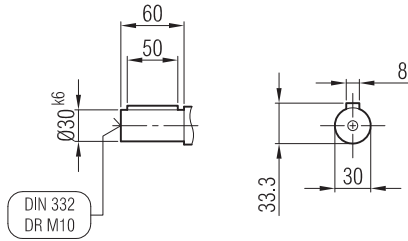
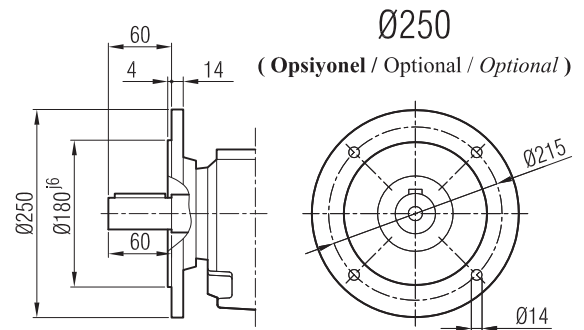
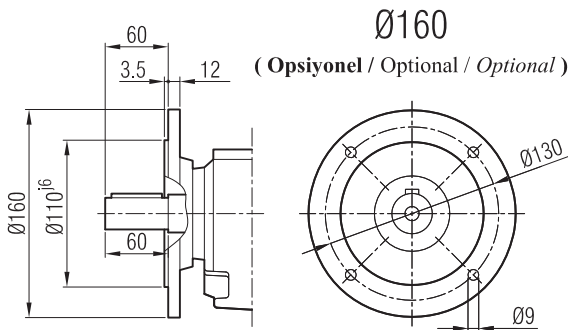
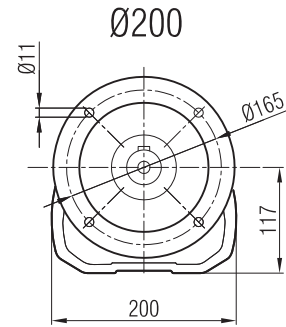
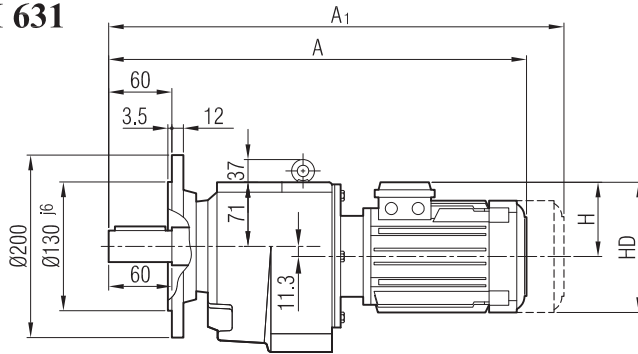
Maß "A<sub>1</sub>" ist für Motoren mit Bremse



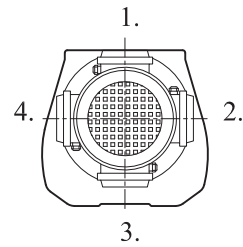


## İRFM 621

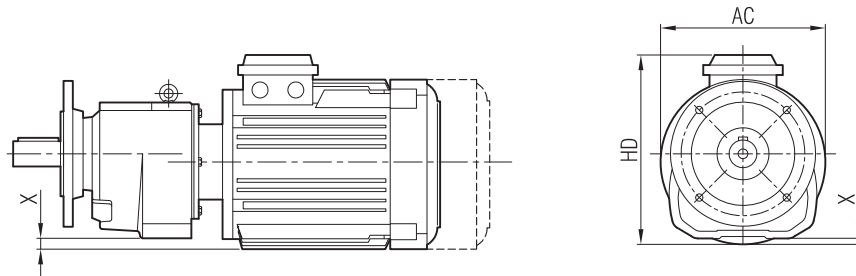
## İRFM 631



**Klemens Pozisyonları**  
Terminal Box Positions  
Klemmenkasten Positionen



63-71-80-90-100-112 Tip/Type/Typ



	56	63	71	80	90 S	90 L	100	112								
A			452	482	507	532	574	595								
A <sub>1</sub>			525	565	592	617	676	707								
H			111	118	132	132	141	149								
HD			182	198	222	222	241	261								
AC			132	158	193	193	217	232								
X			-	-	-	-	-	6.5								

"A<sub>1</sub>" Ölçüsü Frenli Motorlar içindir.

Dimension "A<sub>1</sub>" is for motors with brake

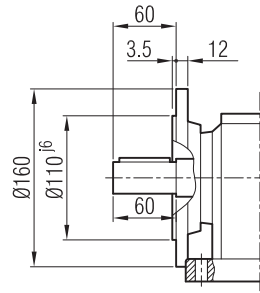
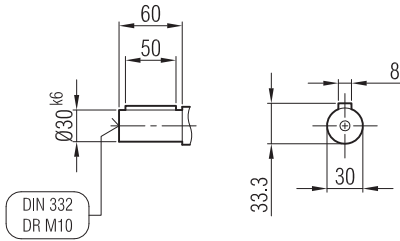
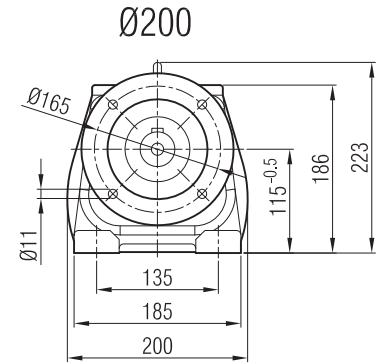
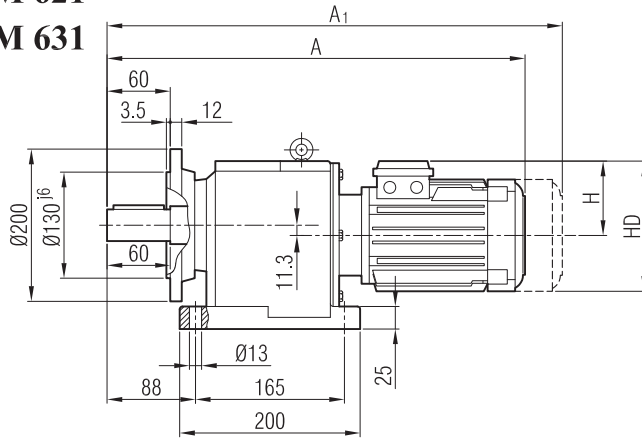
Maß "A<sub>1</sub>" ist für Motoren mit Bremse



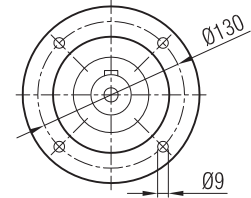


### İRAFM 621

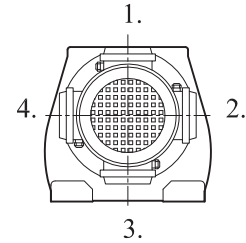
### İRAFM 631



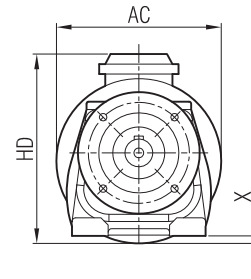
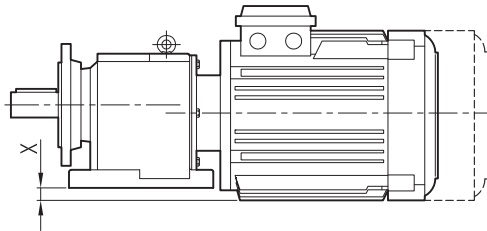
Ø160  
( Opsiyonel / Optional / Optional )



**Klemens Pozisyonları**  
Terminal Box Positions  
Klemmenkasten Positionen



63-71-80-90-100-112 Tip/Type/Typ



	56	63	71	80	90 S	90 L	100	112							
A			452	482	507	532	574	595							
A <sub>1</sub>			525	565	592	617	676	707							
H			111	118	132	132	141	149							
HD			182	198	222	222	241	261							
AC			132	158	193	193	217	232							
X			-	-	-	-	-	8.5							

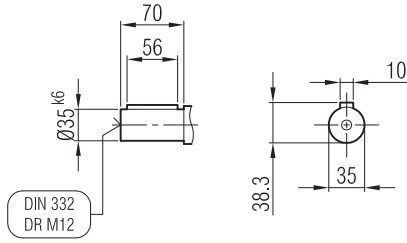
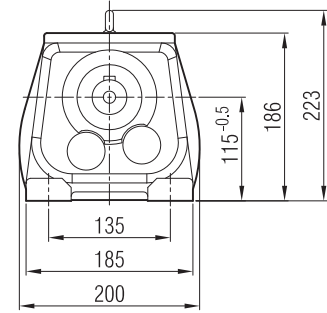
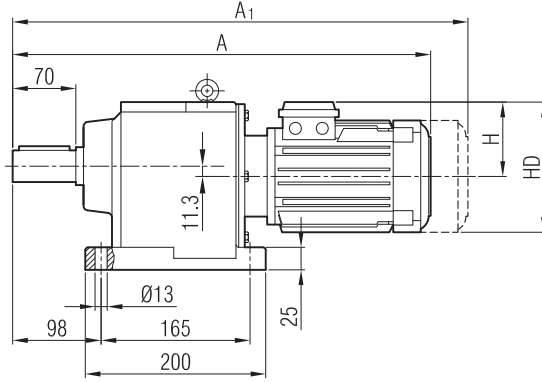
"A<sub>1</sub>" Ölçüsü Frenli Motorlar içindir.  
Dimension "A<sub>1</sub>" is for motors with brake  
Maß "A<sub>1</sub>" ist für Motoren mit Bremse



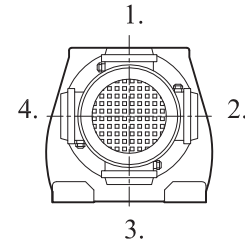


## İRAM 62

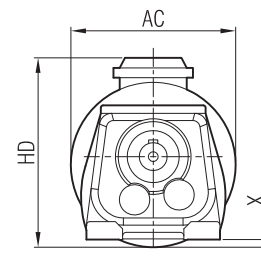
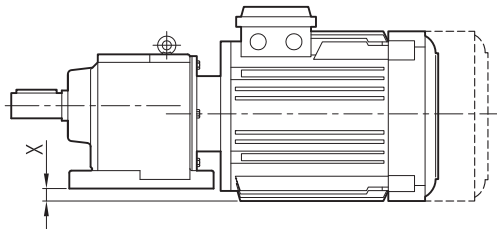
## İRAM 63



### Klemens Pozisyonları Terminal Box Positions Klemmenkasten Positionen



63-71-80-90-100-112 Tip/Type/Typ



	56	63	71	80	90 S	90 L	100	112							
A			462	492	517	542	584	605							
A <sub>1</sub>			535	575	602	627	686	717							
H			111	118	132	132	141	149							
HD			182	198	222	222	241	261							
AC			132	158	193	193	217	232							
X			-	-	-	-	-	8.5							

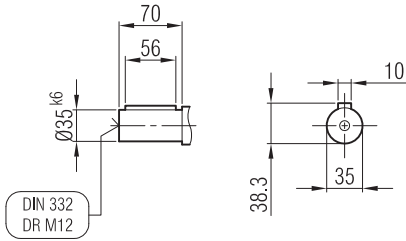
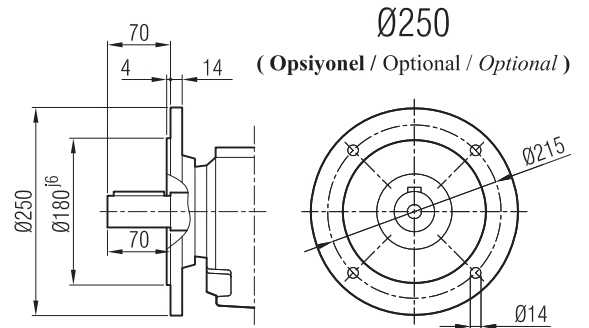
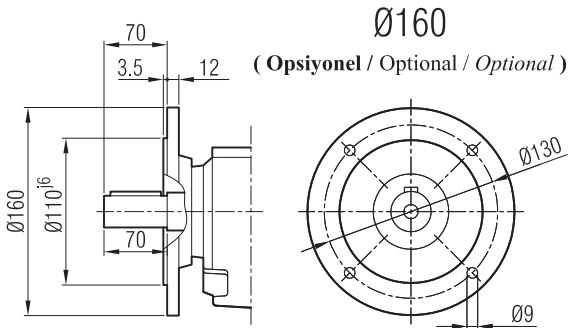
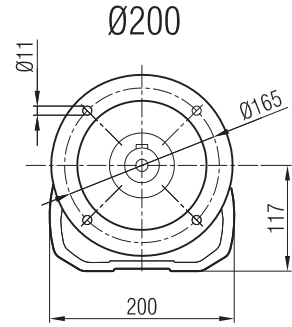
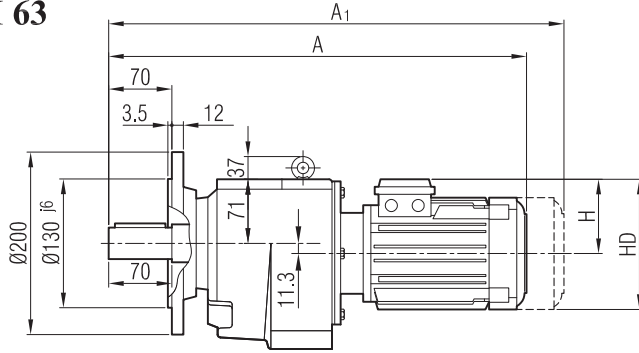
"A<sub>1</sub>" Ölçüsü Frenli Motorlar içindir.  
Dimension "A<sub>1</sub>" is for motors with brake  
Maß "A<sub>1</sub>" ist für Motoren mit Bremse



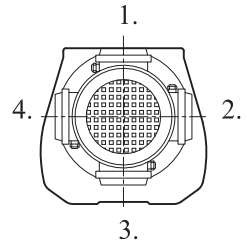


## İRFM 62

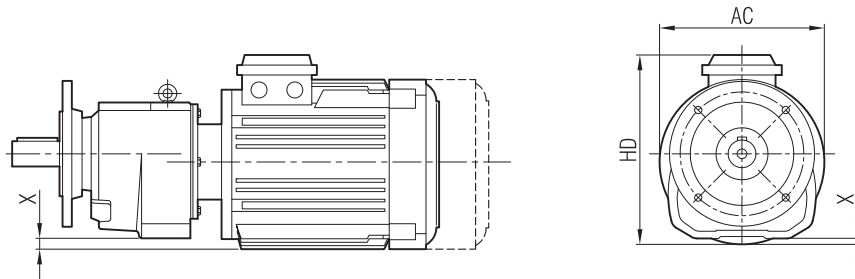
## İRFM 63



**Klemens Pozisyonları**  
Terminal Box Positions  
Klemmenkasten Positionen



63-71-80-90-100-112 Tip/Type/Typ



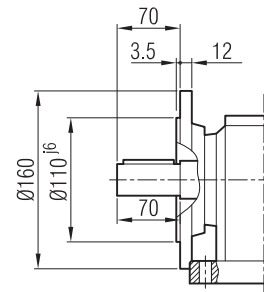
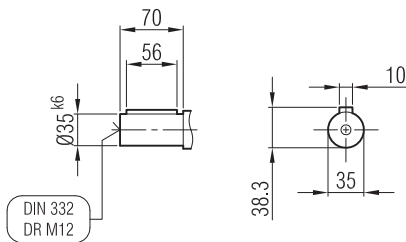
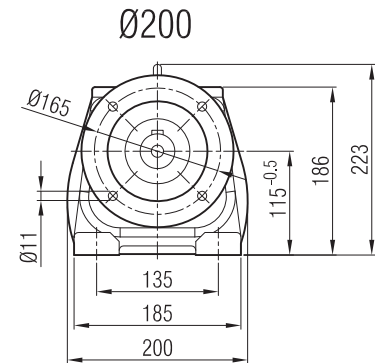
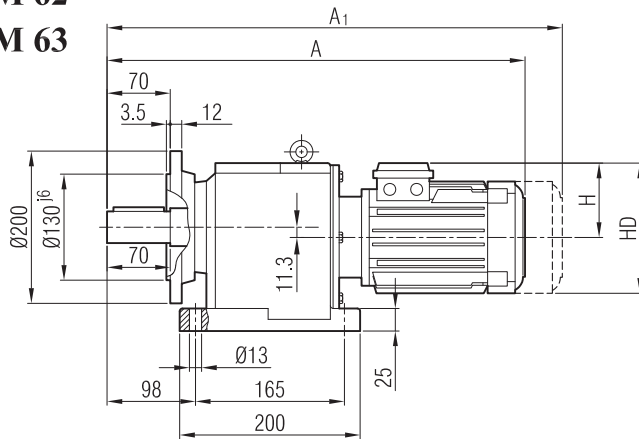
	56	63	71	80	90 S	90 L	100	112								
A			462	492	517	542	584	605								
A <sub>1</sub>			535	575	602	627	686	717								
H			111	118	132	132	141	149								
HD			182	198	222	222	241	261								
AC			132	158	193	193	217	232								
X			-	-	-	-	-	6.5								

"A<sub>1</sub>" Ölçüsü Frenli Motorlar içindir.  
Dimension "A<sub>1</sub>" is for motors with brake  
Maß "A<sub>1</sub>" ist für Motoren mit Bremse

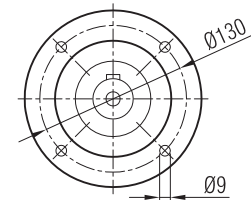




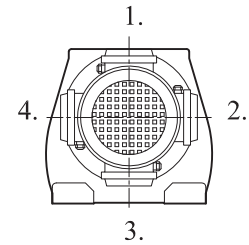
### İRAFM 62 İRAFM 63



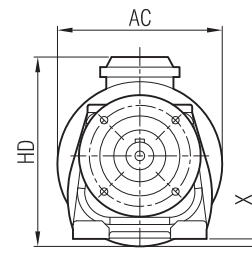
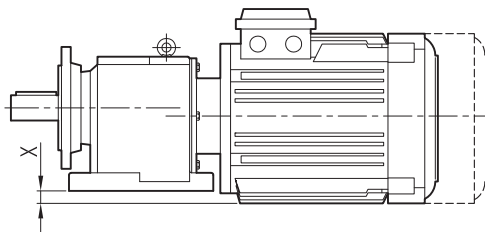
### Ø160 ( Opsiyonel / Optional / Optional )



### Klemens Pozisyonları Terminal Box Positions Klemmenkasten Positionen



63-71-80-90-100-112 Tip/Type/Typ



	56	63	71	80	90 S	90 L	100	112							
A			462	492	517	542	584	605							
A <sub>1</sub>			535	575	602	627	686	717							
H			111	118	132	132	141	149							
HD			182	198	222	222	241	261							
AC			132	158	193	193	217	232							
X			-	-	-	-	-	8.5							

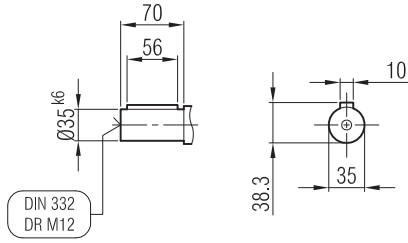
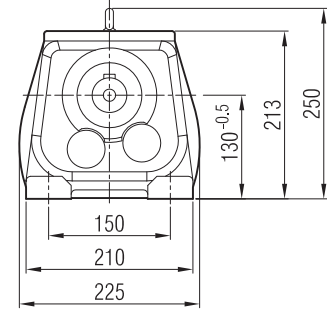
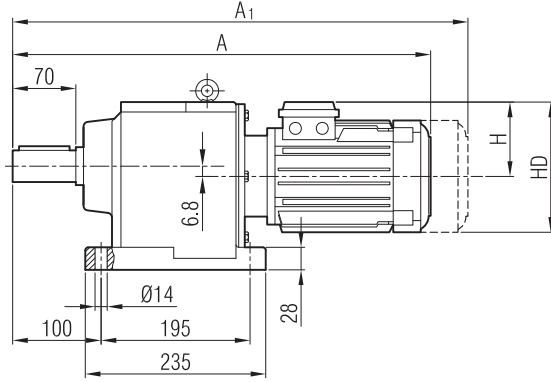
"A<sub>1</sub>" Ölçüsü Frenli Motorlar içindir.  
Dimension "A<sub>1</sub>" is for motors with brake  
Maß "A<sub>1</sub>" ist für Motoren mit Bremse



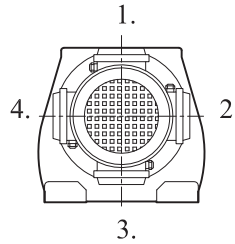


## İRAM 721

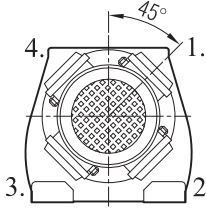
## İRAM 731



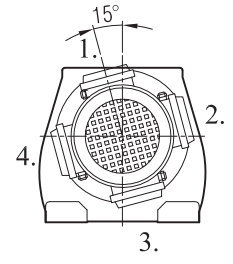
### Klemens Pozisyonları Terminal Box Positions Klemmenkasten Positionen



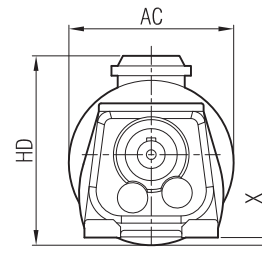
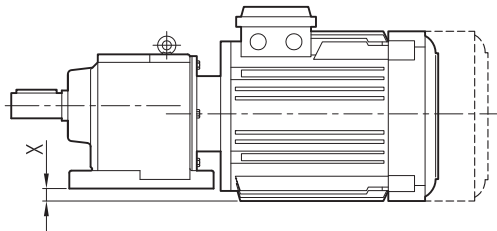
90-100-112-132 Tip/Type/Typ



71 Tip/Type/Typ



80 Tip/Type/Typ



	56	63	71	80	90 S	90 L	100	112	132 S	132 M						
A			478	509	535	560	600	621	665	711						
A <sub>1</sub>			551	592	620	645	702	746	807	853						
H			111	118	132	132	141	149	182	182						
HD			182	198	222	222	241	261	314	314						
AC			138	158	193	193	217	232	279	279						
X			-	-	-	-	-	-	16.3	16.3						

"A<sub>1</sub>" Ölçüsü Frenli Motorlar içindir.

Dimension "A<sub>1</sub>" is for motors with brake

Maß "A<sub>1</sub>" ist für Motoren mit Bremse

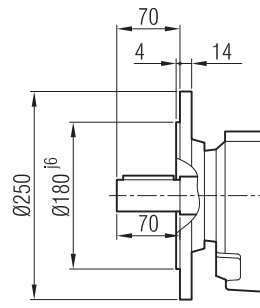
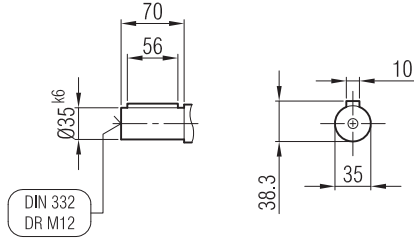
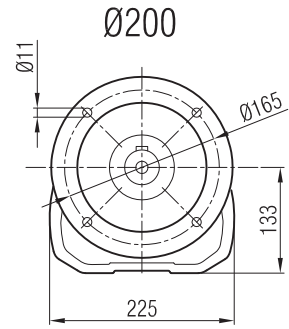
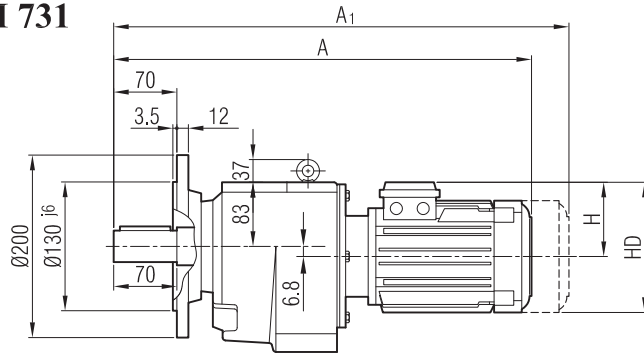




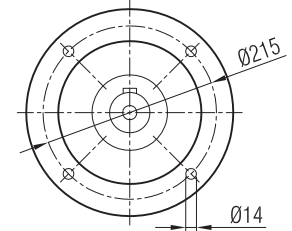


## İRFM 721

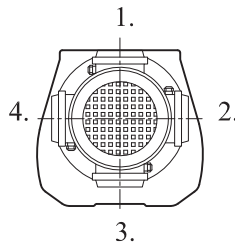
## İRFM 731



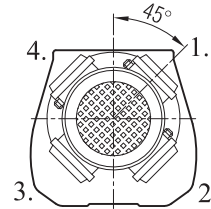
## Ø250 (Opsiyonel / Optional / Optional)



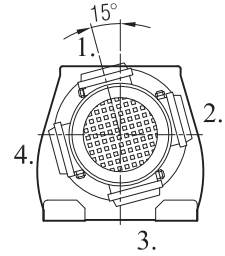
### Klemens Pozisyonları Terminal Box Positions Klemmenkasten Positionen



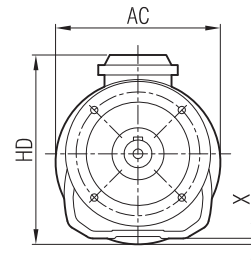
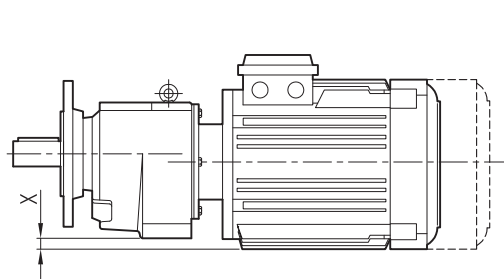
90-100-112-132 Tip/Type/Typ



71 Tip/Type/Typ



80 Tip/Type/Typ



	56	63	71	80	90 S	90 L	100	112	132 S	132 M						
A			478	509	535	560	600	621	665	711						
A <sub>1</sub>			551	592	620	645	702	746	807	853						
H			111	118	132	132	141	149	182	182						
HD			182	198	222	222	241	261	314	314						
AC			138	158	193	193	217	232	279	279						
X			-	-	-	-	-	-	13.3	13.3						

"A<sub>1</sub>" Ölçüsü Frenli Motorlar içindir.

Dimension "A<sub>1</sub>" is for motors with brake

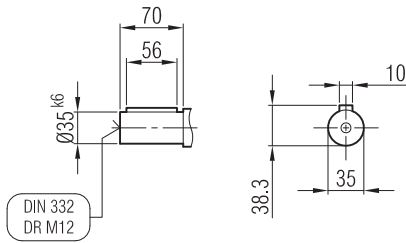
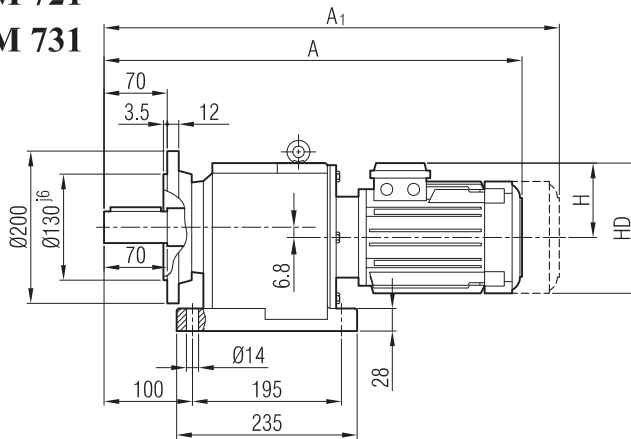
Maß "A<sub>1</sub>" ist für Motoren mit Bremse



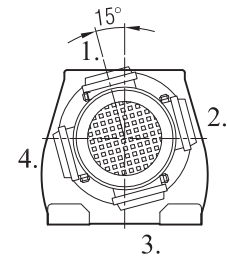
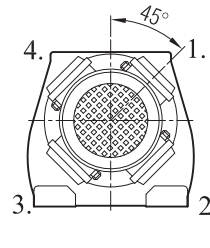
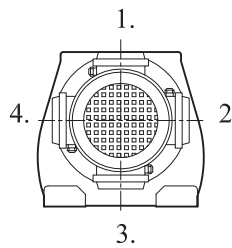


#### İRAFM 721

#### İRAFM 731



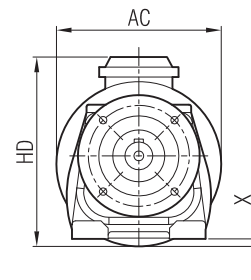
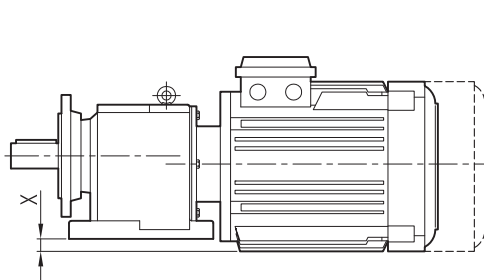
#### Klemens Pozisyonları Terminal Box Positions Klemmenkasten Positionen



90-100-112-132 Tip/Type/Typ

71 Tip/Type/Typ

80 Tip/Type/Typ



	56	63	71	80	90 S	90 L	100	112	132 S	132 M						
A			478	509	535	560	600	621	665	711						
A <sub>1</sub>			551	592	620	645	702	746	807	853						
H			111	118	132	132	141	149	182	182						
HD			182	198	222	222	241	261	314	314						
AC			138	158	193	193	217	232	279	279						
X			-	-	-	-	-	-	16.3	16.3						

"A<sub>1</sub>" Ölçüsü Frenli Motorlar içindir.

Dimension "A<sub>1</sub>" is for motors with brake

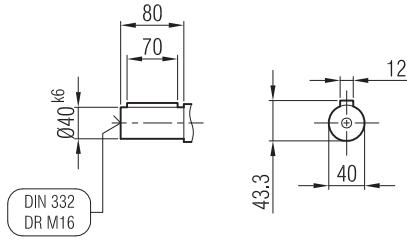
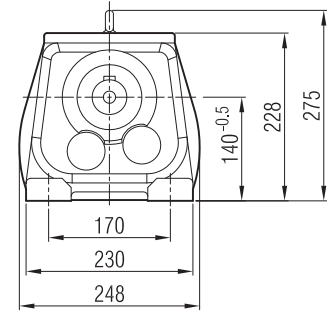
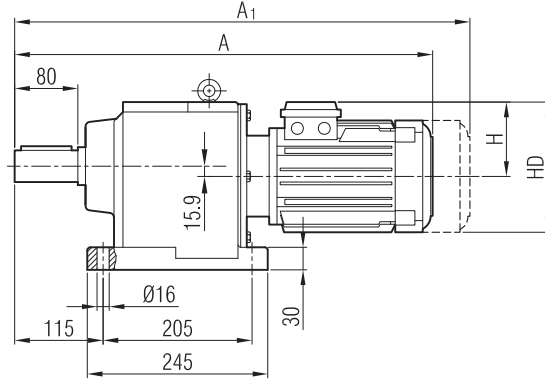
Maß "A<sub>1</sub>" ist für Motoren mit Bremse



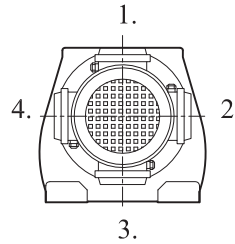


## İRAM 72

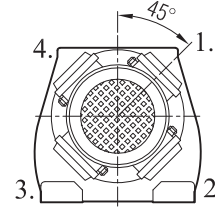
## İRAM 73



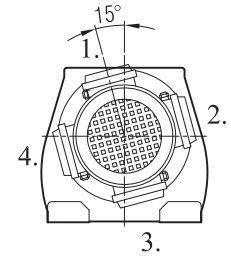
### Klemens Pozisyonları Terminal Box Positions Klemmenkasten Positionen



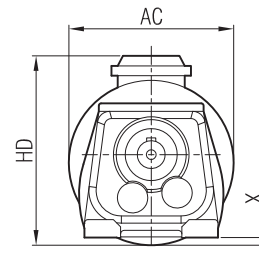
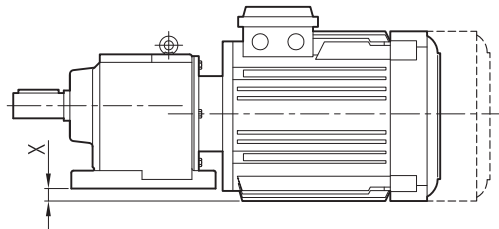
90-100-112-132 **Tip/Type/Typ**



71 **Tip/Type/Typ**



80 **Tip/Type/Typ**



	56	63	71	80	90 S	90 L	100	112	132 S	132 M						
A			506	537	561	586	628	647	693	739						
A <sub>1</sub>			579	620	646	671	730	772	835	881						
H			111	118	132	132	141	149	182	182						
HD			182	198	222	222	241	261	314	314						
AC			132	158	193	193	217	232	279	279						
X			-	-	-	-	-	-	8	8						

"A<sub>1</sub>" Ölçüsü Frenli Motorlar içindir.

Dimension "A<sub>1</sub>" is for motors with brake

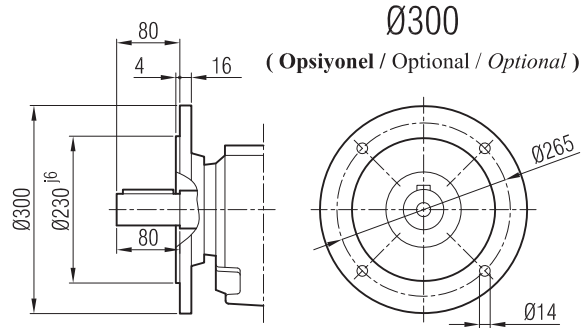
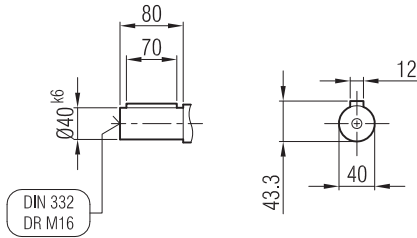
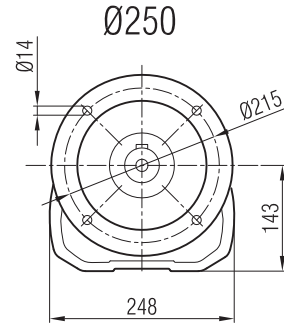
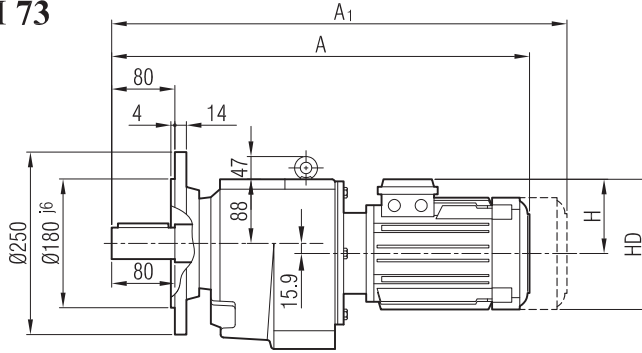
Maß "A<sub>1</sub>" ist für Motoren mit Bremse



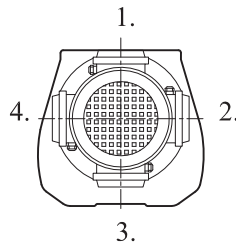


## İRFM 72

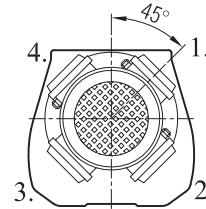
## İRFM 73



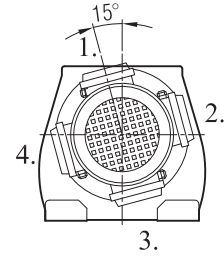
### Klemens Pozisyonları Terminal Box Positions Klemmenkasten Positionen



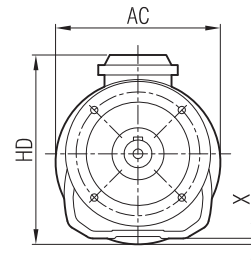
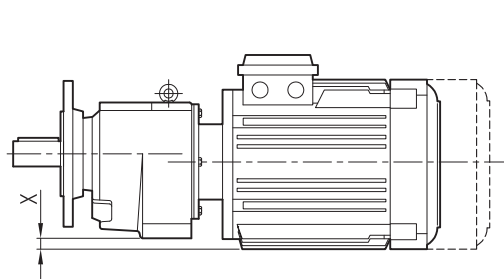
90-100-112-132 Tip/Type/Typ



71 Tip/Type/Typ



80 Tip/Type/Typ



	56	63	71	80	90 S	90 L	100	112	132 S	132 M						
A			506	537	561	586	628	647	693	739						
A <sub>1</sub>			579	620	646	671	730	772	835	881						
H			111	118	132	132	141	149	182	182						
HD			182	198	222	222	241	261	314	314						
AC			132	158	193	193	217	232	279	279						
X			-	-	-	-	-	-	5	5						

"A<sub>1</sub>" Ölçüsü Frenli Motorlar içindir.

Dimension "A<sub>1</sub>" is for motors with brake

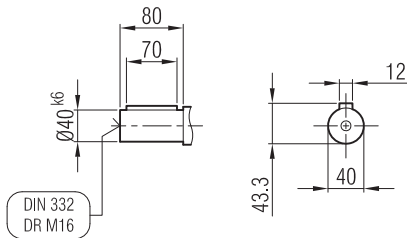
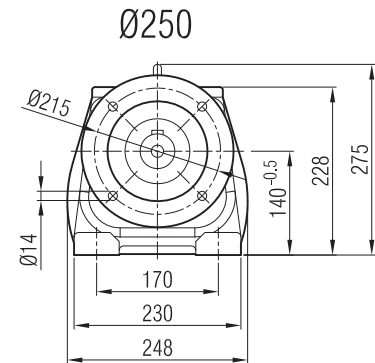
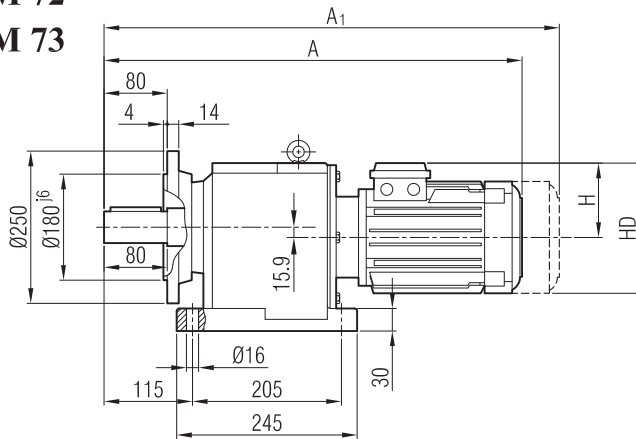
Maß "A<sub>1</sub>" ist für Motoren mit Bremse



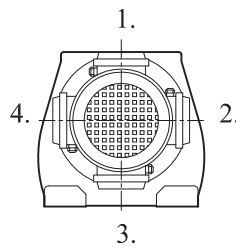


### İRAFM 72

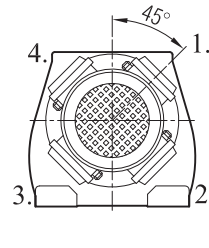
### İRAFM 73



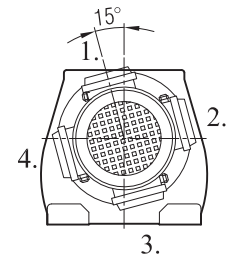
### Klemens Pozisyonları Terminal Box Positions Klemmenkasten Positionen



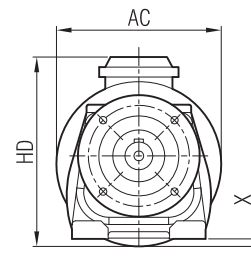
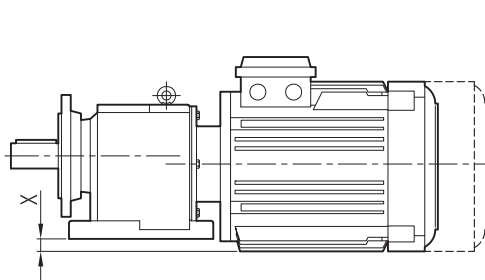
90-100-112-132 **Tip/Type/Typ**



71 **Tip/Type/Typ**



80 **Tip/Type/Typ**



	56	63	71	80	90 S	90 L	100	112	132 S	132 M						
A			506	537	561	586	628	647	693	739						
A <sub>1</sub>			579	620	646	671	730	772	835	881						
H			111	118	132	132	141	149	182	182						
HD			182	198	222	222	241	261	314	314						
AC			132	158	193	193	217	232	279	279						
X			-	-	-	-	-	-	8	8						

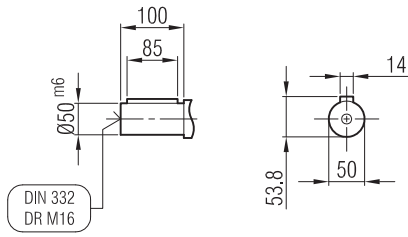
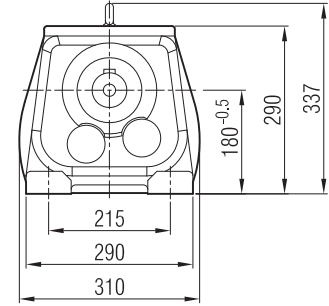
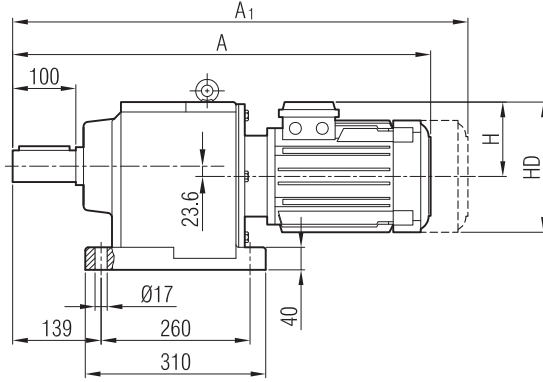
"A<sub>1</sub>" Ölçüsü Frenli Motorlar içindir.  
Dimension "A<sub>1</sub>" is for motors with brake  
Maß "A<sub>1</sub>" ist für Motoren mit Bremse



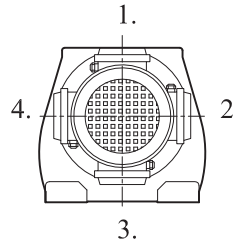


## İRAM 82

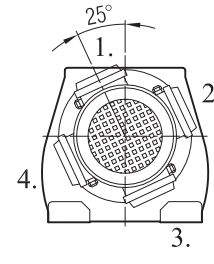
## İRAM 83



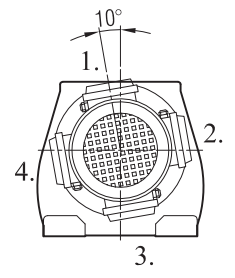
### Klemens Pozisyonları Terminal Box Positions Klemmenkasten Positionen



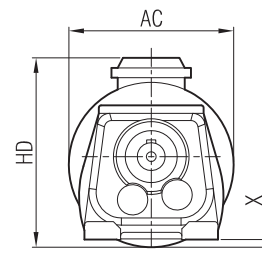
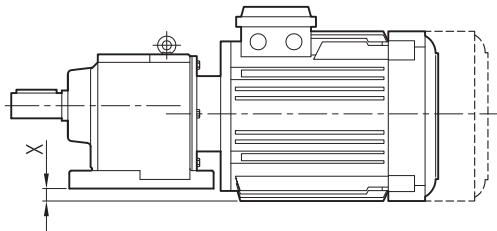
90-100-132-160-180 **Tip/Type/Typ**



80 **Tip/Type/Typ**



112 **Tip/Type/Typ**



	56	63	71	80	90 S	90 L	100	112	132 S	132 M	160 M	160 L	180 M	180 L			
A				607	628	653	696	718	769	815	885	924	936	974			
A <sub>1</sub>				690	713	738	798	843	911	957	1075	1114	1131	1169			
H				118	132	132	141	149	182	182	225	225	248	248			
HD				198	222	222	241	261	314	314	385	385	428	428			
AC				158	193	193	217	232	279	279	325	325	370	370			
X				-	-	-	-	-	-	-	4	4	24	24			

"A<sub>1</sub>" Ölçüsü Frenli Motorlar içindir.

Dimension "A<sub>1</sub>" is for motors with brake

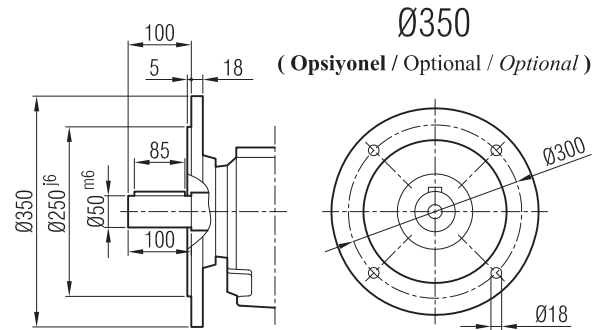
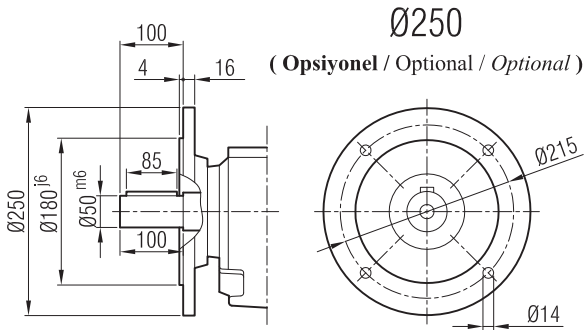
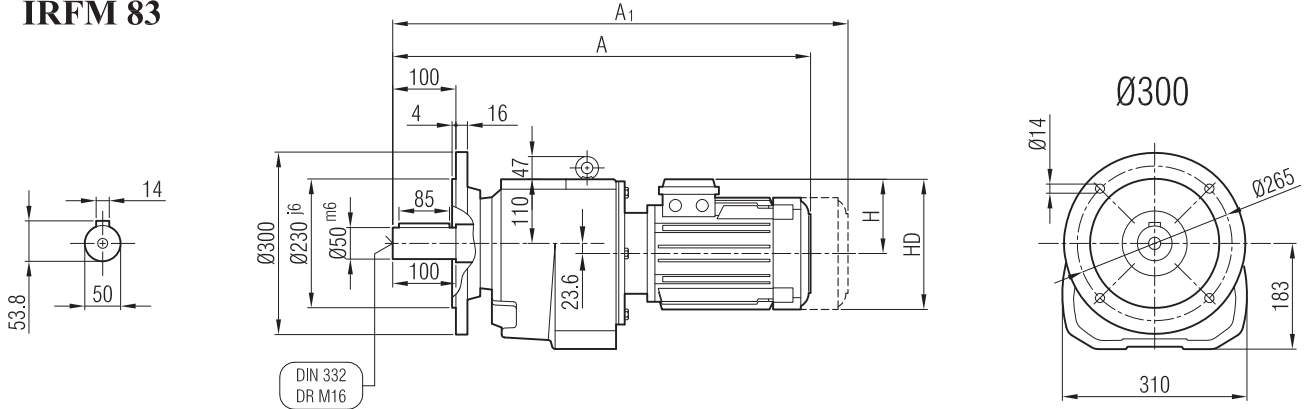
Maß "A<sub>1</sub>" ist für Motoren mit Bremse



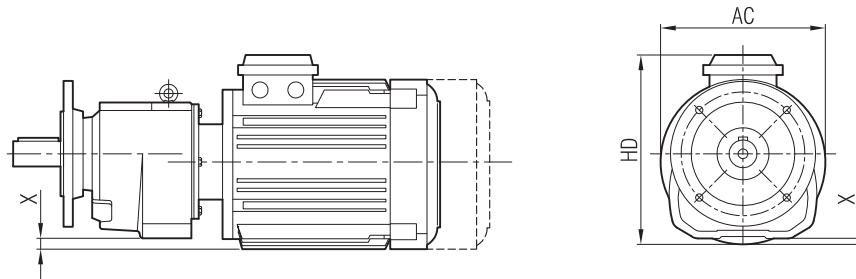
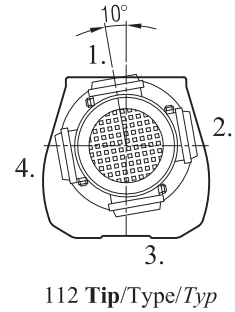
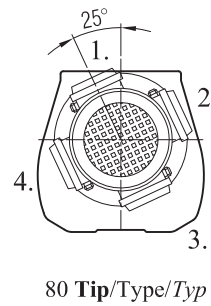
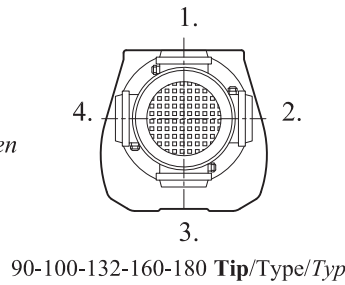


## İRFM 82

## İRFM 83



### Klemens Pozisyonları Terminal Box Positions Klemmenkasten Positionen



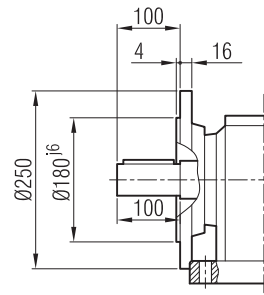
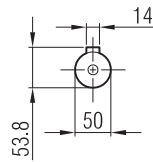
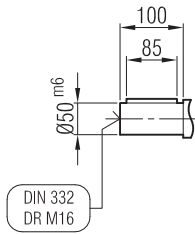
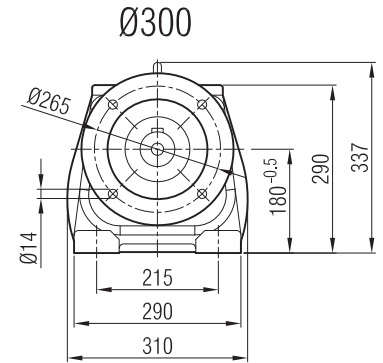
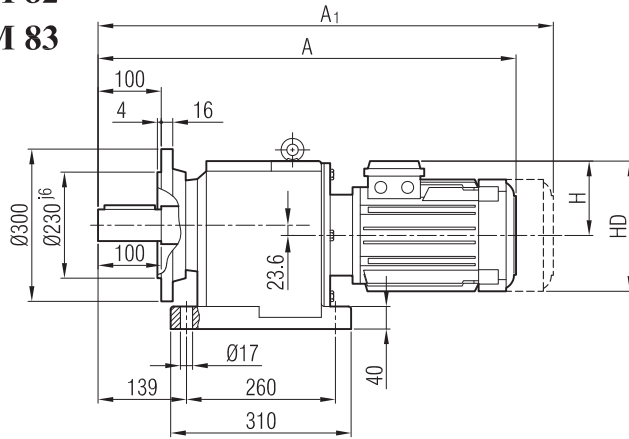
	56	63	71	80	90 S	90 L	100	112	132 S	132 M	160 M	160 L	180 M	180 L			
A				607	628	653	696	718	769	815	885	924	936	974			
A <sub>1</sub>				690	713	738	798	843	911	957	1075	1114	1131	1169			
H				118	132	132	141	149	182	182	225	225	248	248			
HD				198	222	222	241	261	314	314	385	385	428	428			
AC				158	193	193	217	232	279	279	325	325	370	370			
X				-	-	-	-	-	-	-	1	1	21	21			

"A<sub>1</sub>" Ölçüsü Frenli Motorlar içindir.  
Dimension "A<sub>1</sub>" is for motors with brake  
Maß "A<sub>1</sub>" ist für Motoren mit Bremse

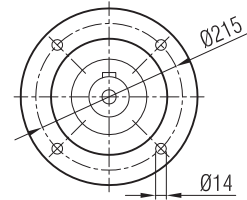




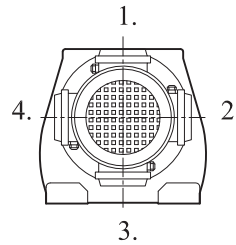
### İRAFM 82 İRAFM 83



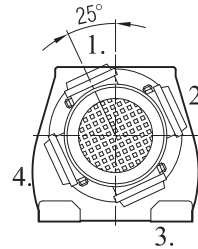
### Ø250 ( Opsiyonel / Optional / Optional )



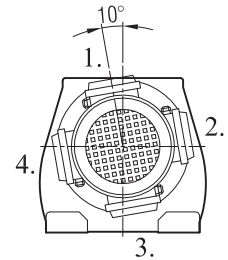
### Klemens Pozisyonları Terminal Box Positions Klemmenkasten Positionen



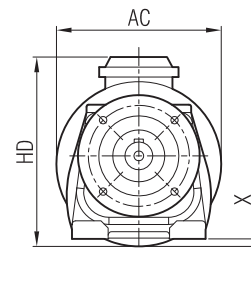
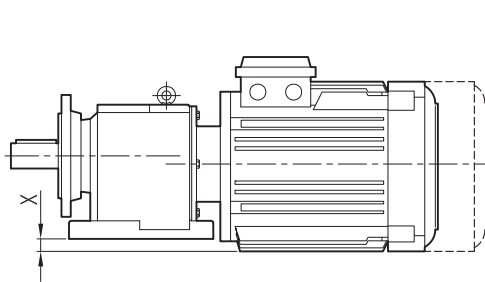
90-100-132-160-180 Tip/Type/Typ



80 Tip/Type/Typ



112 Tip/Type/Typ



	56	63	71	80	90 S	90 L	100	112	132 S	132 M	160 M	160 L	180 M	180 L			
A				607	628	653	696	718	769	815	885	924	936	974			
A <sub>1</sub>				690	713	738	798	843	911	957	1075	1114	1131	1169			
H				118	132	132	141	149	182	182	225	225	248	248			
HD				198	222	222	241	261	314	314	385	385	428	428			
AC				158	193	193	217	232	279	279	325	325	370	370			
X				-	-	-	-	-	-	-	4	4	24	24			

"A<sub>1</sub>" Ölçüsü Frenli Motorlar içindir.

Dimension "A<sub>1</sub>" is for motors with brake

Maß "A<sub>1</sub>" ist für Motoren mit Bremse

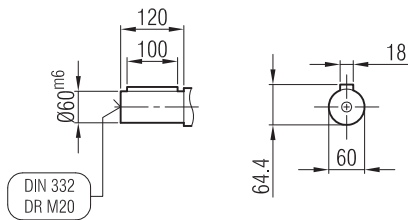
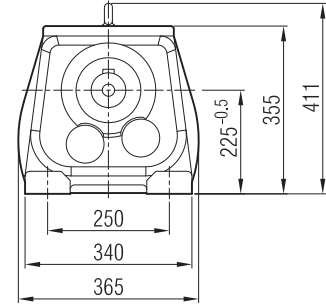
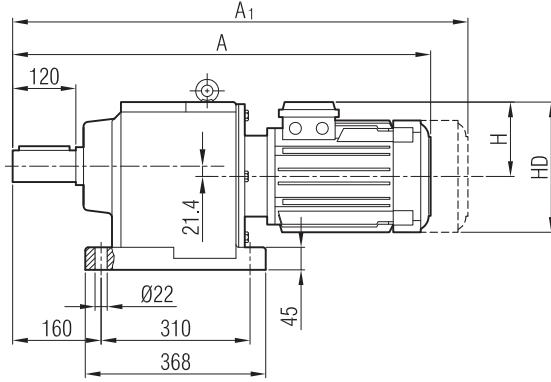




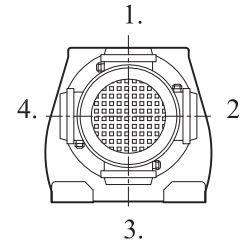


## İRAM 92

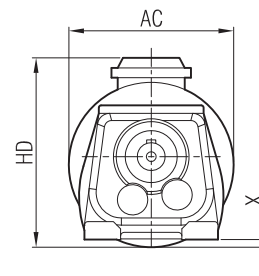
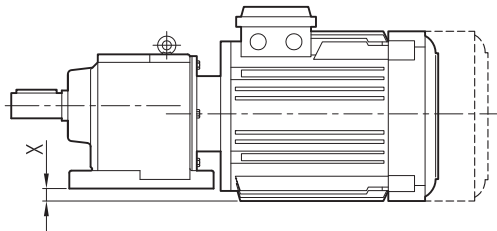
## İRAM 93



### Klemens Pozisyonları Terminal Box Positions Klemmenkasten Positionen



80-90-100-112-132-160-180-200 Tip/Type/Typ



	56	63	71	80	90 S	90 L	100	112	132 S	132 M	160 M	160 L	180 M	180 L	200		
A				769	783	808	754	777	824	870	957	1001	1015	1053	1092		
A <sub>1</sub>				852	868	893	856	902	966	1012	1147	1191	1210	1248	-		
H				118	132	132	141	149	182	182	225	225	248	248	275		
HD				198	222	222	241	261	314	314	385	385	428	428	425		
AC				158	193	193	217	232	279	279	325	325	370	370	415		
X				-	-	-	-	-	-	-	-	-	-	-	-		

"A<sub>1</sub>" Ölçüsü Frenli Motorlar içindir.

Dimension "A<sub>1</sub>" is for motors with brake

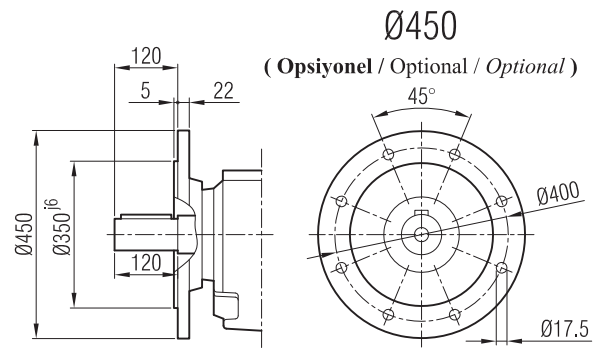
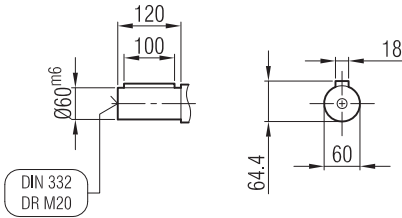
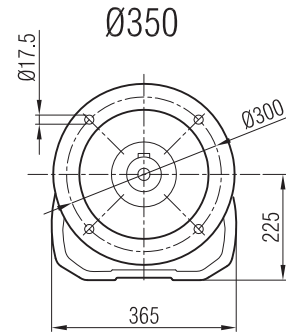
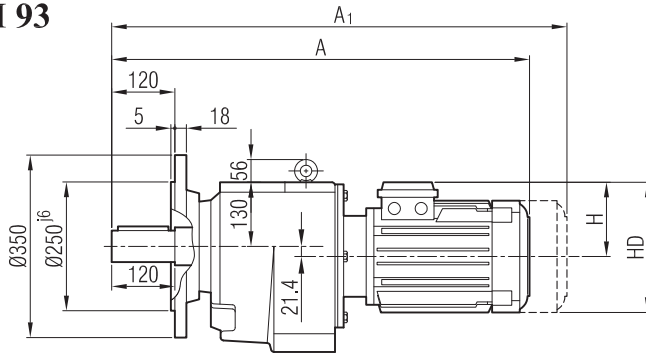
Maß "A<sub>1</sub>" ist für Motoren mit Bremse



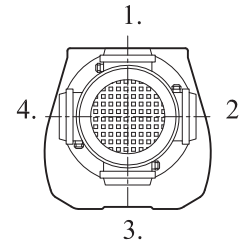


## İRFM 92

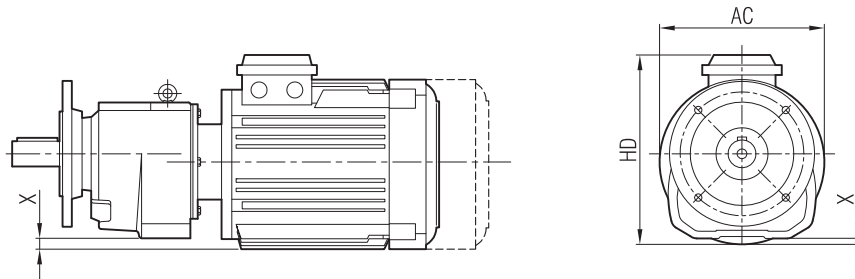
## İRFM 93



### Klemens Pozisyonları Terminal Box Positions Klemmenkasten Positionen



80-90-100-112-132-160-180-200 **Tip/Type/Typ**



	56	63	71	80	90 S	90 L	100	112	132 S	132 M	160 M	160 L	180 M	180 L	200		
A				769	783	808	754	777	824	870	957	1001	1015	1053	1092		
A <sub>1</sub>				852	868	893	856	902	966	1012	1147	1191	1210	1248	-		
H				118	132	132	141	149	182	182	225	225	248	248	275		
HD				198	222	222	241	261	314	314	385	385	428	428	425		
AC				158	193	193	217	232	279	279	325	325	370	370	415		
X				-	-	-	-	-	-	-	-	-	-	-	-		

"A<sub>1</sub>" Ölçüsü Frenli Motorlar içindir.

Dimension "A<sub>1</sub>" is for motors with brake

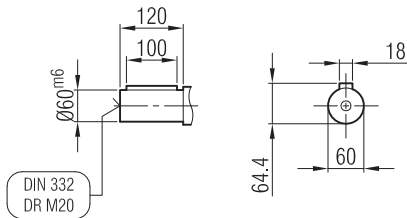
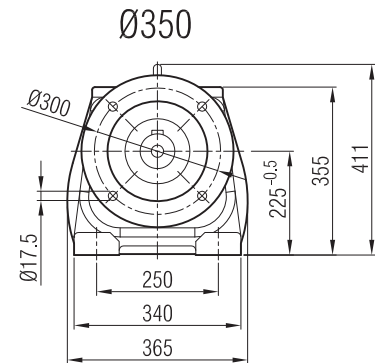
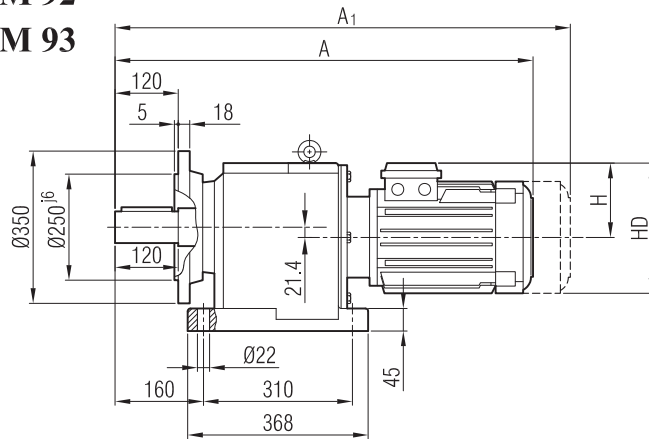
Maß "A<sub>1</sub>" ist für Motoren mit Bremse



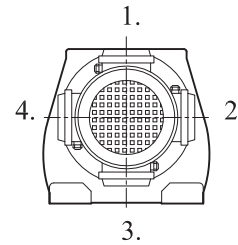


## İRAFM 92

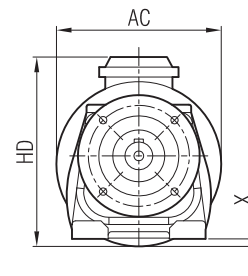
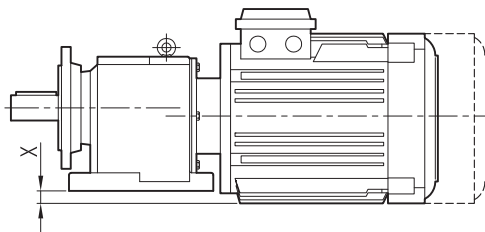
## İRAFM 93



### Klemens Pozisyonları Terminal Box Positions Klemmenkasten Positionen



80-90-100-112-132-160-180-200 **Tip/Type/Typ**



	56	63	71	80	90 S	90 L	100	112	132 S	132 M	160 M	160 L	180 M	180 L	200		
A				769	783	808	754	777	824	870	957	1001	1015	1053	1092		
A <sub>1</sub>				852	868	893	856	902	966	1012	1147	1191	1210	1248	-		
H				118	132	132	141	149	182	182	225	225	248	248	275		
HD				198	222	222	241	261	314	314	385	385	428	428	425		
AC				158	193	193	217	232	279	279	325	325	370	370	415		
X				-	-	-	-	-	-	-	-	-	-	-	-		

"A<sub>1</sub>" Ölçüsü Frenli Motorlar içindir.

Dimension "A<sub>1</sub>" is for motors with brake

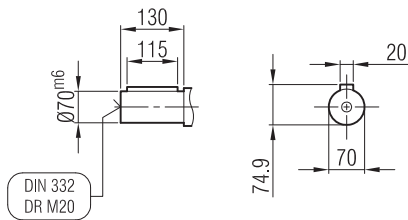
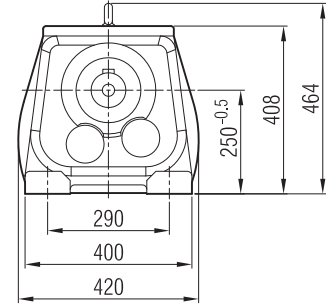
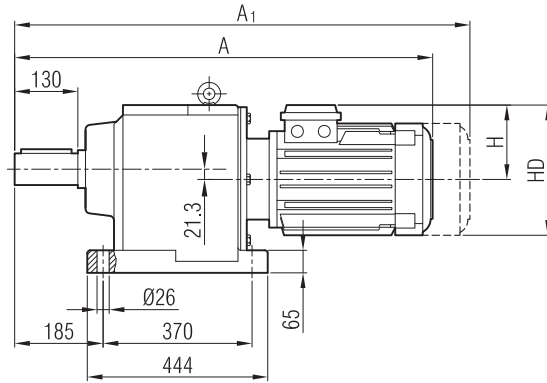
Maß "A<sub>1</sub>" ist für Motoren mit Bremse



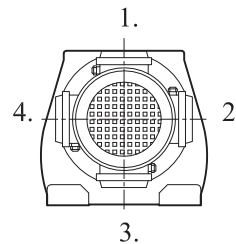


## İRAM 102

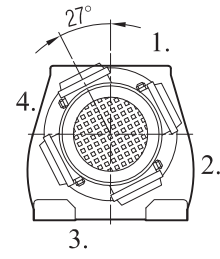
## İRAM 103



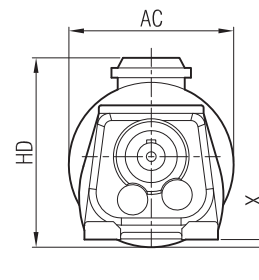
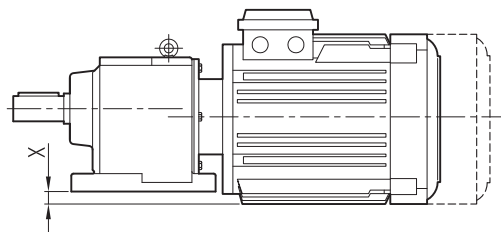
### Klemens Pozisyonları Terminal Box Positions Klemmenkasten Positionen



100-112-132-160-200-225 **Tip/Type/Typ**



180 **Tip/Type/Typ**



	56	63	71	80	90 S	90 L	100	112	132 S	132 M	160 M	160 L	180 M	180 L	200	225 S	225 M
A							902	923	893	939	1023	1053	1082	1120	1172	1179	1204
A <sub>1</sub>							992	1048	1035	1081	1213	1243	1277	1315	-	-	-
H							141	149	182	182	225	225	248	248	275	285	285
HD							241	261	314	314	385	385	428	428	425	510	510
AC							217	232	279	279	325	325	370	370	415	456	456
X							-	-	-	-	-	-	-	-	-	-	-

"A<sub>1</sub>" Ölçüsü Frenli Motorlar içindir.

Dimension "A<sub>1</sub>" is for motors with brake

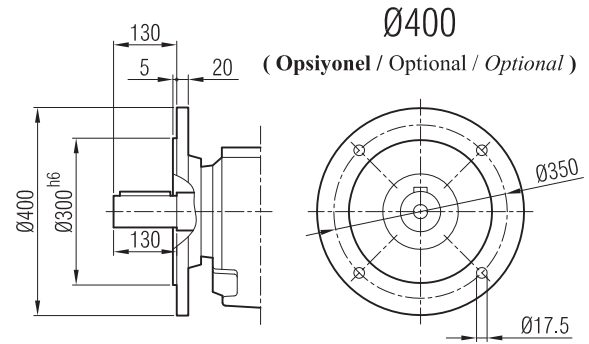
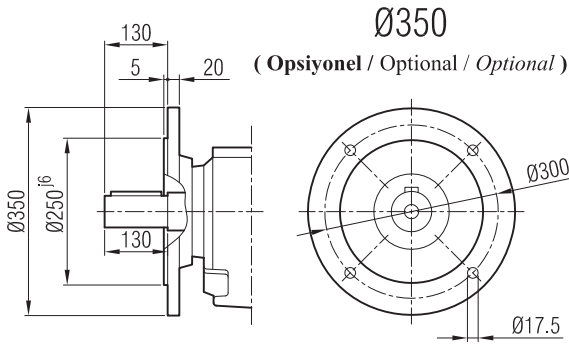
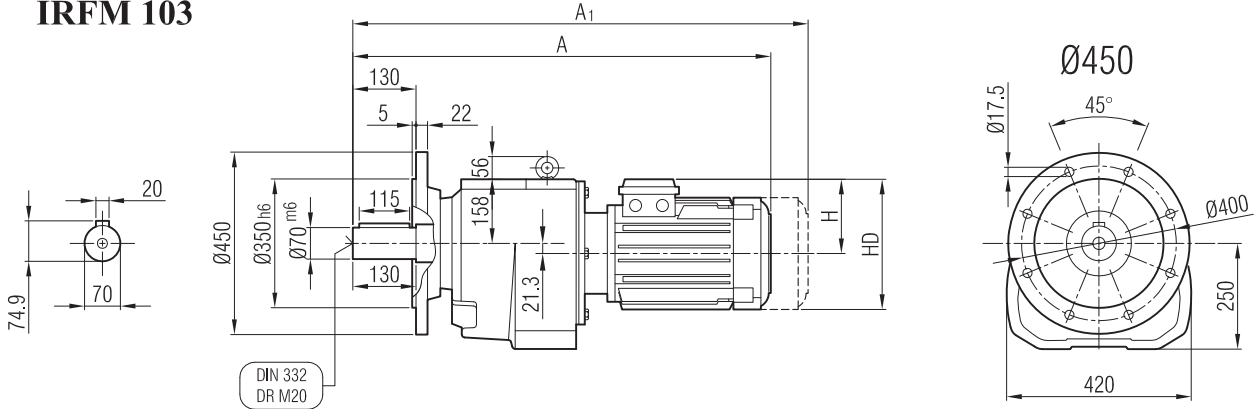
Maß "A<sub>1</sub>" ist für Motoren mit Bremse



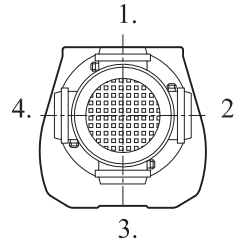


## İRFM 102

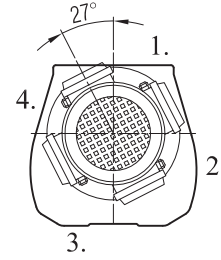
## İRFM 103



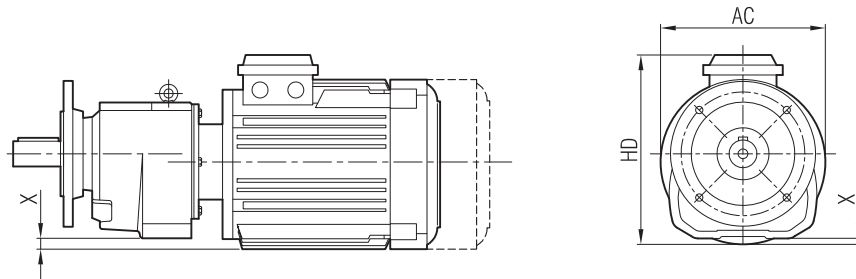
### Klemens Pozisyonları Terminal Box Positions Klemmenkasten Positionen



100-112-132-160-200-225 Tip/Type/Typ



180 Tip/Type/Typ



	56	63	71	80	90 S	90 L	100	112	132 S	132 M	160 M	160 L	180 M	180 L	200	225 S	225 M
A							902	923	893	939	1023	1053	1082	1120	1172	1179	1204
A <sub>1</sub>							992	1048	1035	1081	1213	1243	1277	1315	-	-	-
H							141	149	182	182	225	225	248	248	275	285	285
HD							241	261	314	314	385	385	428	428	425	510	510
AC							217	232	279	279	325	325	370	370	415	456	456
X							-	-	-	-	-	-	-	-	-	-	-

"A<sub>1</sub>" Ölçüsü Frenli Motorlar içindir.

Dimension "A<sub>1</sub>" is for motors with brake

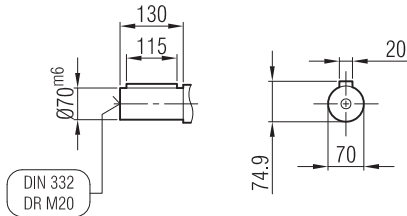
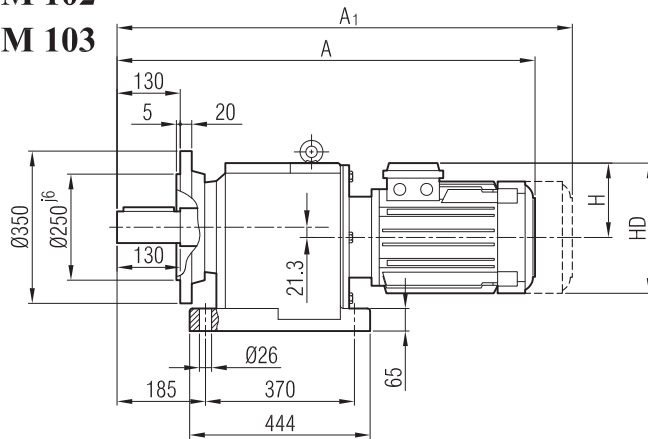
Maß "A<sub>1</sub>" ist für Motoren mit Bremse



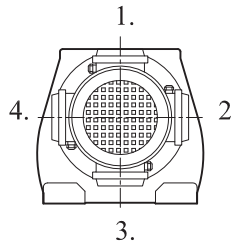


### İRAFM 102

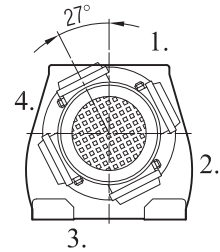
### İRAFM 103



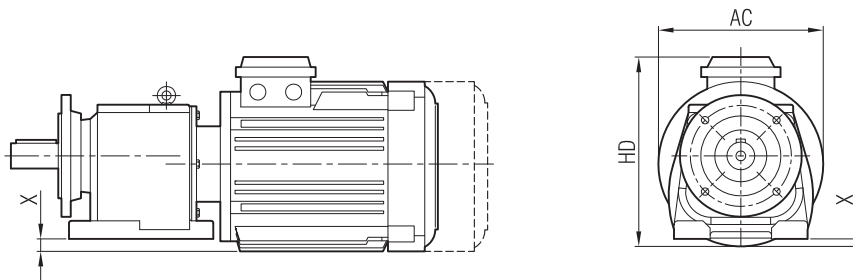
### Klemens Pozisyonları Terminal Box Positions Klemmenkasten Positionen



100-112-132-160-200-225 **Tip/Type/Typ**



180 **Tip/Type/Typ**



	56	63	71	80	90 S	90 L	100	112	132 S	132 M	160 M	160 L	180 M	180 L	200	225 S	225 M
A							902	923	893	939	1023	1053	1082	1120	1172	1179	1204
A <sub>1</sub>							992	1048	1035	1081	1213	1243	1277	1315	-	-	-
H							141	149	182	182	225	225	248	248	275	285	285
HD							241	261	314	314	385	385	428	428	425	510	510
AC							217	232	279	279	325	325	370	370	415	456	456
X							-	-	-	-	-	-	-	-	-	-	-

"A<sub>1</sub>" Ölçüsü Frenli Motorlar içindir.

Dimension "A<sub>1</sub>" is for motors with brake

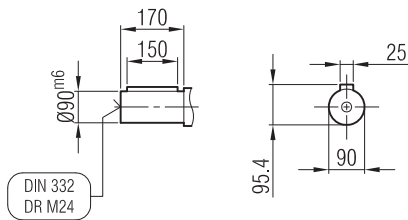
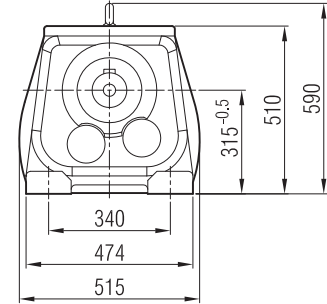
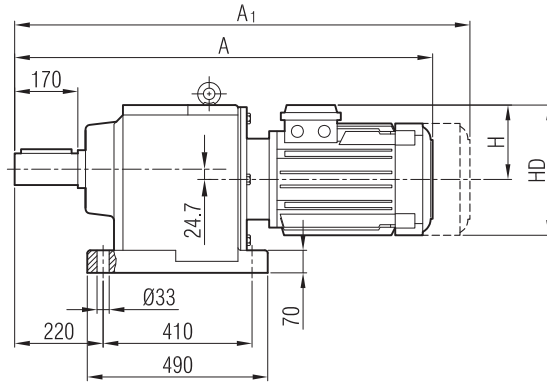
Maß "A<sub>1</sub>" ist für Motoren mit Bremse



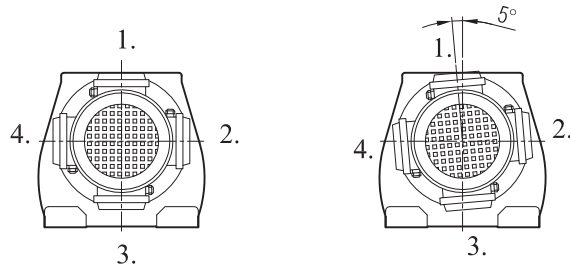


## İRAM 122

## İRAM 123

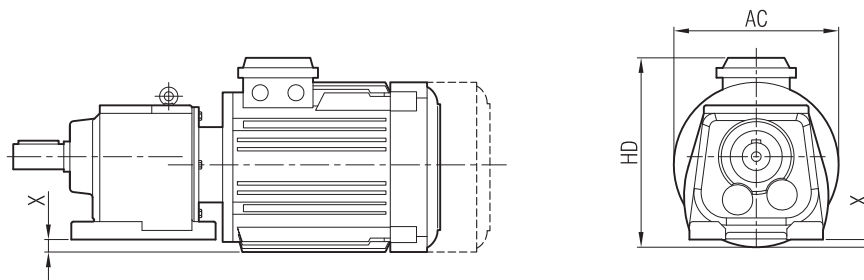


### Klemens Pozisyonları Terminal Box Positions Klemmenkasten Positionen



100-112-132-160-180-225-250 **Tip/Type/Typ**

200 **Tip/Type/Typ**



	63	71	80	90 S	90 L	100	112	132 S	132 M	160 M	160 L	180 M	180 L	200	225 S	225 M	250
A								957	1003	1080	1124	1140	1178	1227	1260	1285	1362
A <sub>1</sub>								1099	1145	1270	1314	1335	1372	-	-	-	-
H								182	182	225	225	248	248	275	285	285	322
HD								314	314	385	385	428	428	425	510	510	572
AC								279	279	325	325	370	370	415	456	456	480
X								-	-	-	-	-	-	-	-	-	-

"A<sub>1</sub>" Ölçüsü Frenli Motorlar içindir.

Dimension "A<sub>1</sub>" is for motors with brake

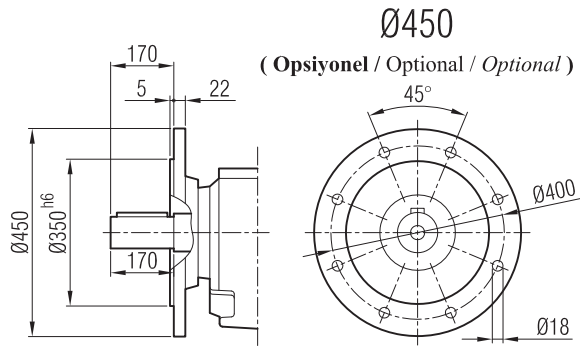
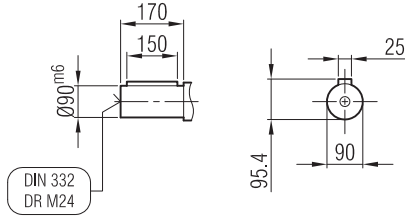
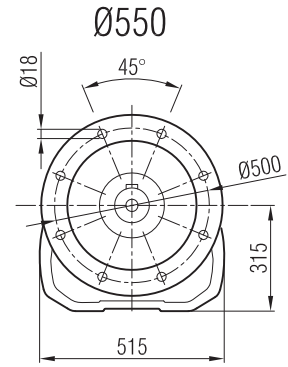
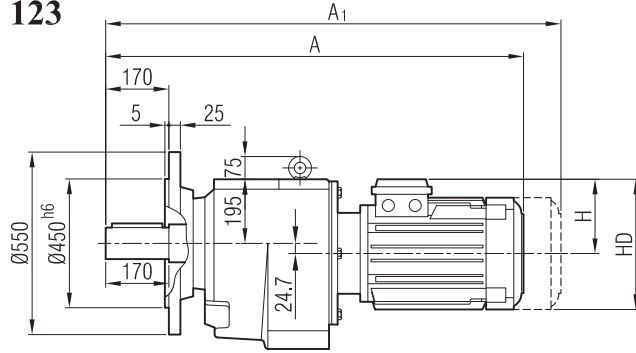
Maß "A<sub>1</sub>" ist für Motoren mit Bremse



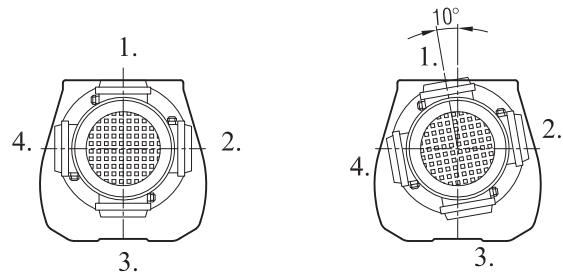


## İRFM 122

## İRFM 123

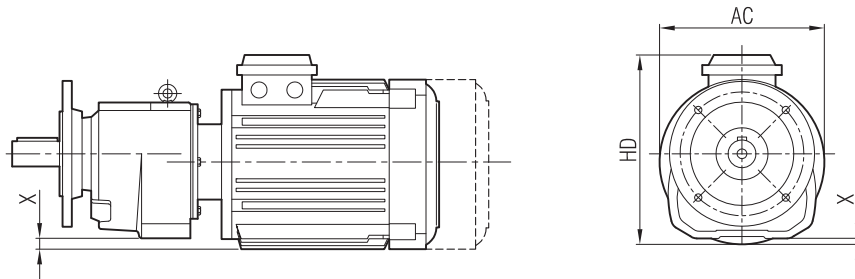


### Klemens Pozisyonları Terminal Box Positions Klemmenkasten Positionen



100-112-132-160-180-225-250 **Tip/Type/Typ**

200 **Tip/Type/Typ**



	63	71	80	90 S	90 L	100	112	132 S	132 M	160 M	160 L	180 M	180 L	200	225 S	225 M	250
A								957	1003	1080	1124	1140	1178	1227	1260	1285	1362
A <sub>1</sub>								1099	1145	1270	1314	1335	1372	-	-	-	-
H								182	182	225	225	248	248	275	285	285	322
HD								314	314	385	385	428	428	425	510	510	572
AC								279	279	325	325	370	370	415	456	456	480
X								-	-	-	-	-	-	-	-	-	-

"A<sub>1</sub>" Ölçüsü Frenli Motorlar içindir.

Dimension "A<sub>1</sub>" is for motors with brake

Maß "A<sub>1</sub>" ist für Motoren mit Bremse

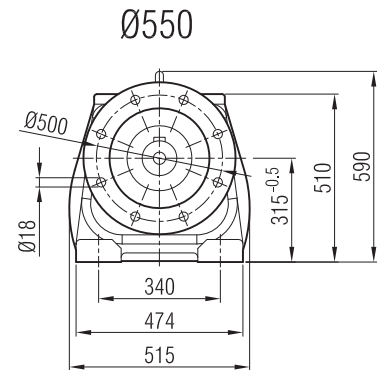
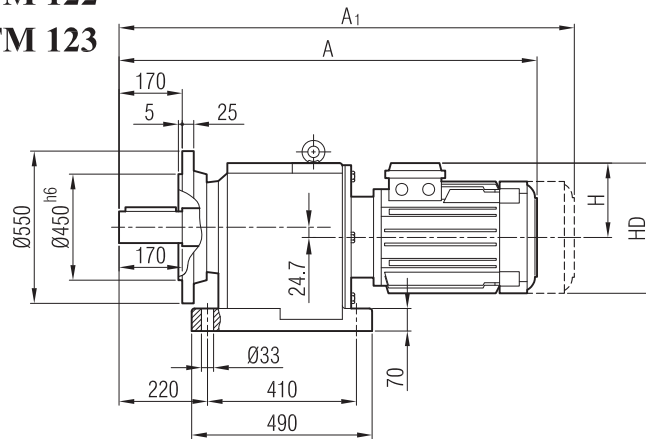






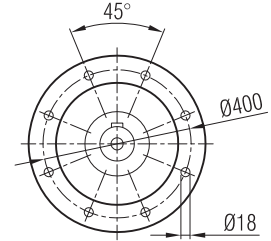
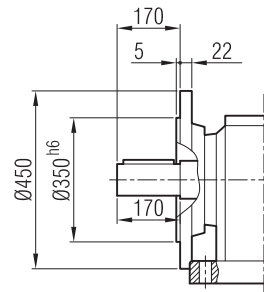
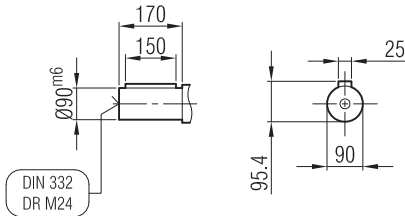
#### İRAFM 122

#### İRAFM 123

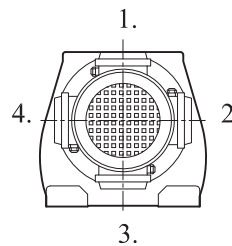


#### Ø450

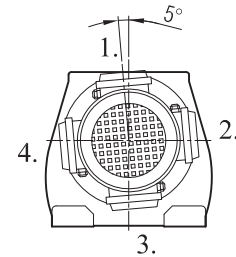
( Opsiyonel / Optional / Optional )



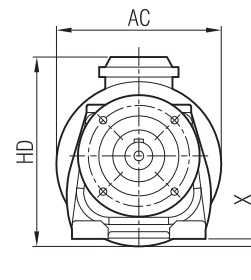
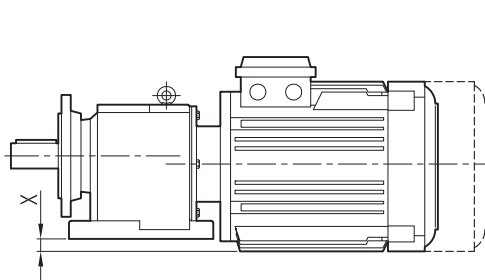
#### Klemens Pozisyonları Terminal Box Positions Klemmenkasten Positionen



100-112-132-160-180-225-250 Tip/Type/Typ



200 Tip/Type/Typ



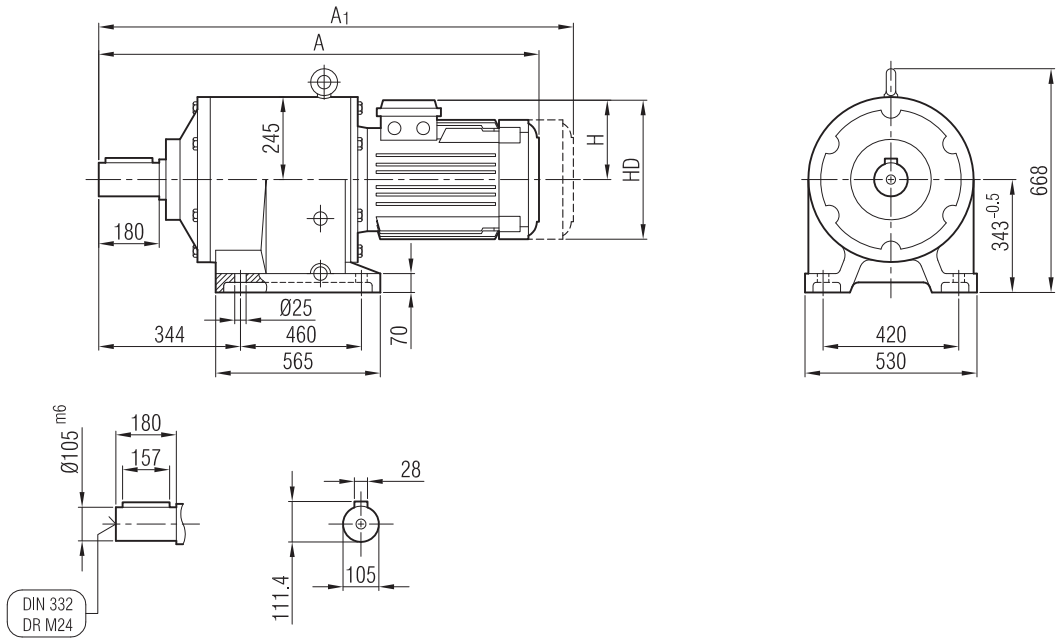
	63	71	80	90 S	90 L	100	112	132 S	132 M	160 M	160 L	180 M	180 L	200	225 S	225 M	250
A								957	1003	1080	1124	1140	1178	1227	1260	1285	1362
A <sub>1</sub>								1099	1145	1270	1314	1335	1372	-	-	-	-
H								182	182	225	225	248	248	275	285	285	322
HD								314	314	385	385	428	428	425	510	510	572
AC								279	279	325	325	370	370	415	456	456	480
X								-	-	-	-	-	-	-	-	-	-

"A<sub>1</sub>" Ölçüsü Frenli Motorlar içindir.  
Dimension "A<sub>1</sub>" is for motors with brake  
Maß "A<sub>1</sub>" ist für Motoren mit Bremse

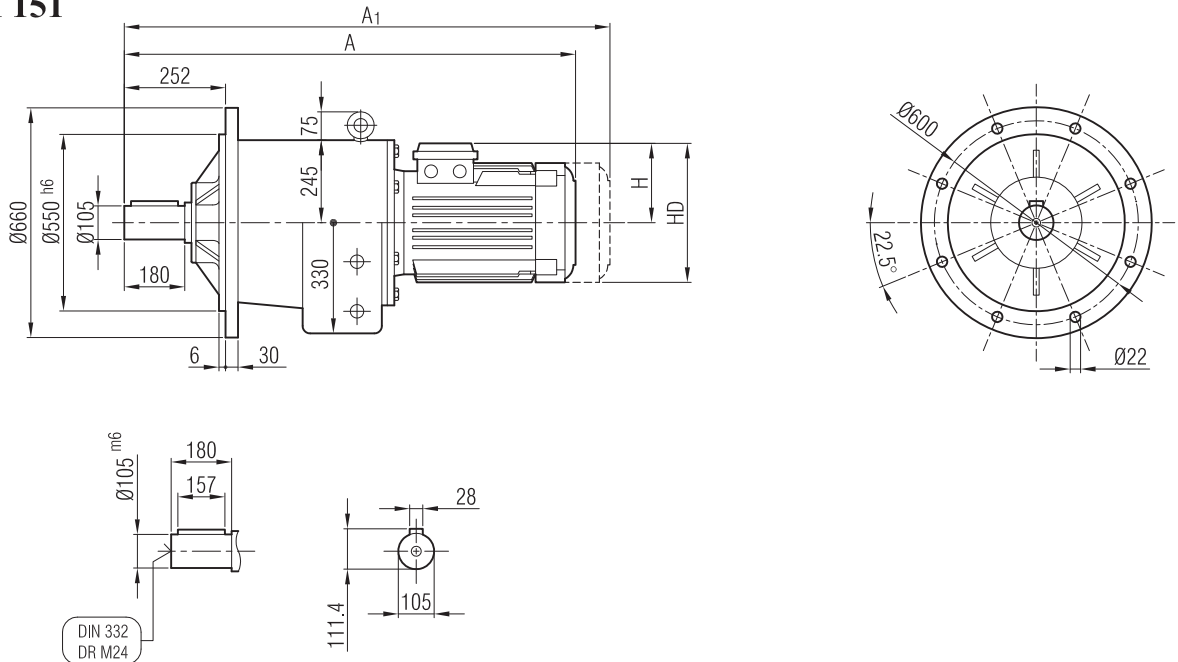




### İRAM 151



### İRFM 151



	80	90 S	90 L	100	112	132 S	132 M	160 M	160 L	180 M	180 L	200	225 S	225 M	250	280 S	280 M
A							1168	1252	1296	1305	1343	1403	1406	1431	1507	1569	1569
A <sub>1</sub>							-	-	-	-	-	-	-	-	-	-	-
H							182	225	225	248	248	275	285	285	322	350	350
HD							314	385	385	428	428	475	510	510	572	630	630

"A<sub>1</sub>" Ölçüsü Frenli Motorlar içindir.

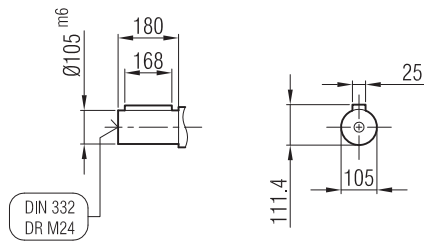
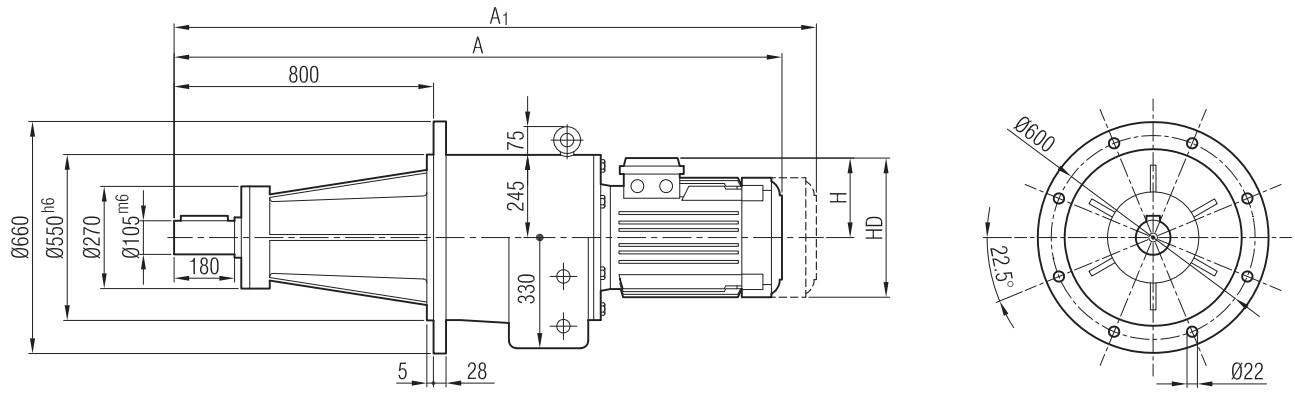
Dimension "A<sub>1</sub>" is for motors with brake

Maß "A<sub>1</sub>" ist für Motoren mit Bremse





## İRBM 151



	80	90 S	90 L	100	112	132 S	132 M	160 M	160 L	180 M	180 L	200	225 S	225 M	250	280 S	280 M
A							1715	1800	1844	1853	1891	1951	1954	1979	2055	2117	2117
A <sub>1</sub>							-	-	-	-	-	-	-	-	-	-	-
H							182	225	225	248	248	275	285	285	322	350	350
HD							314	385	385	428	428	475	510	510	572	630	630

"A<sub>1</sub>" Ölçüsü Frenli Motorlar içindir.

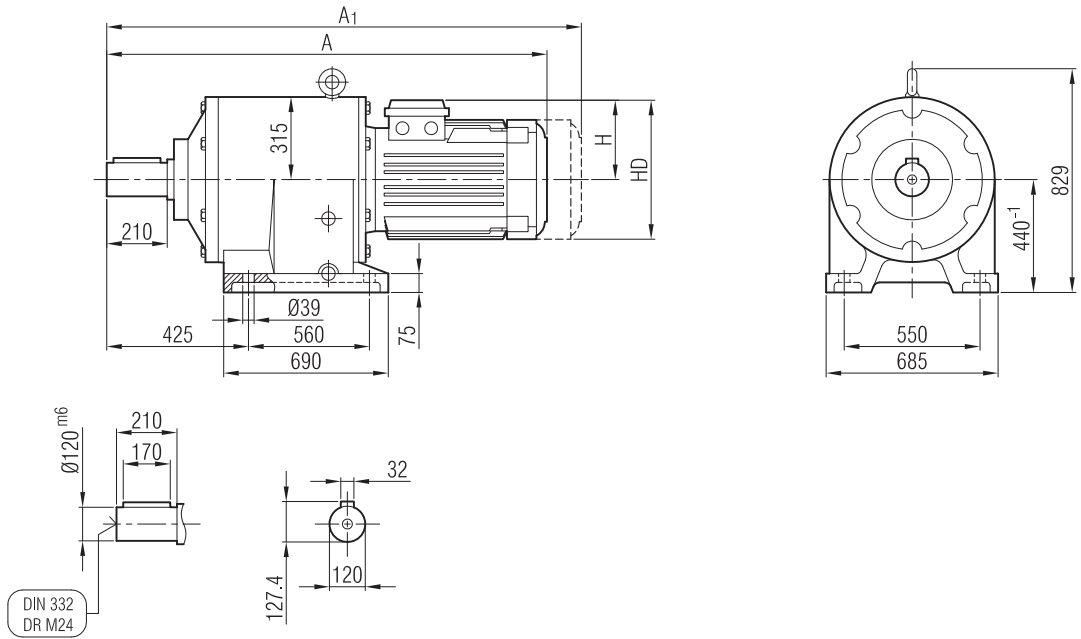
Dimension "A<sub>1</sub>" is for motors with brake

Maß "A<sub>1</sub>" ist für Motoren mit Bremse

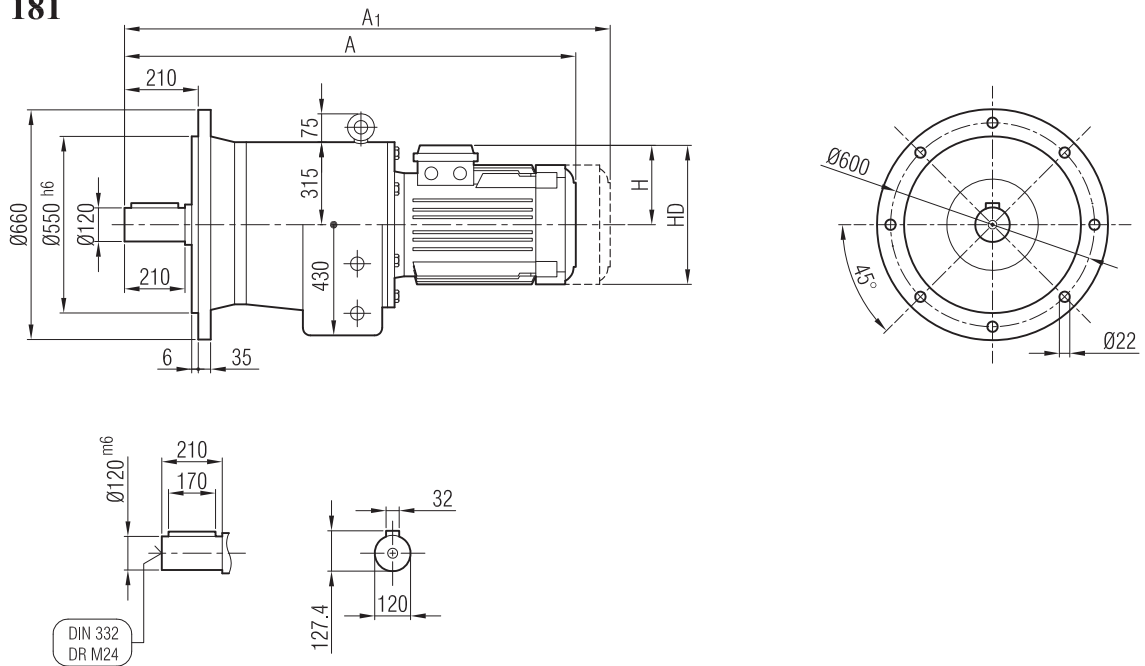




### İRAM 181



### İRFM 181



	100	112	132 S	132 M	160 M	160 L	180 M	180 L	200	225 S	225 M	250	280 S	280 M	315 S	315 M	315 L
A					1406	1406	1463	1501	1552	1572	1597	1650	1748	1748	1910	1910	1980
A <sub>1</sub>					-	-	-	-	-	-	-	-	-	-	-	-	-
H					225	225	248	248	275	285	285	322	350	350	510	510	510
HD					385	385	428	428	475	510	510	572	630	630	825	825	825

"A<sub>1</sub>" Ölçüsü Frenli Motorlar içindir.

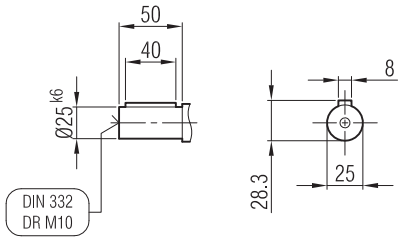
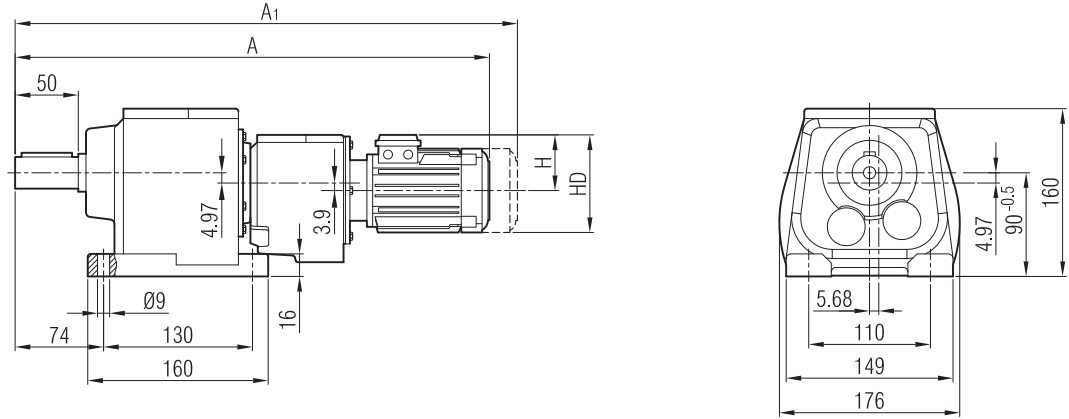
Dimension "A<sub>1</sub>" is for motors with brake

Maß "A<sub>1</sub>" ist für Motoren mit Bremse





## İRAM 53 İR 42



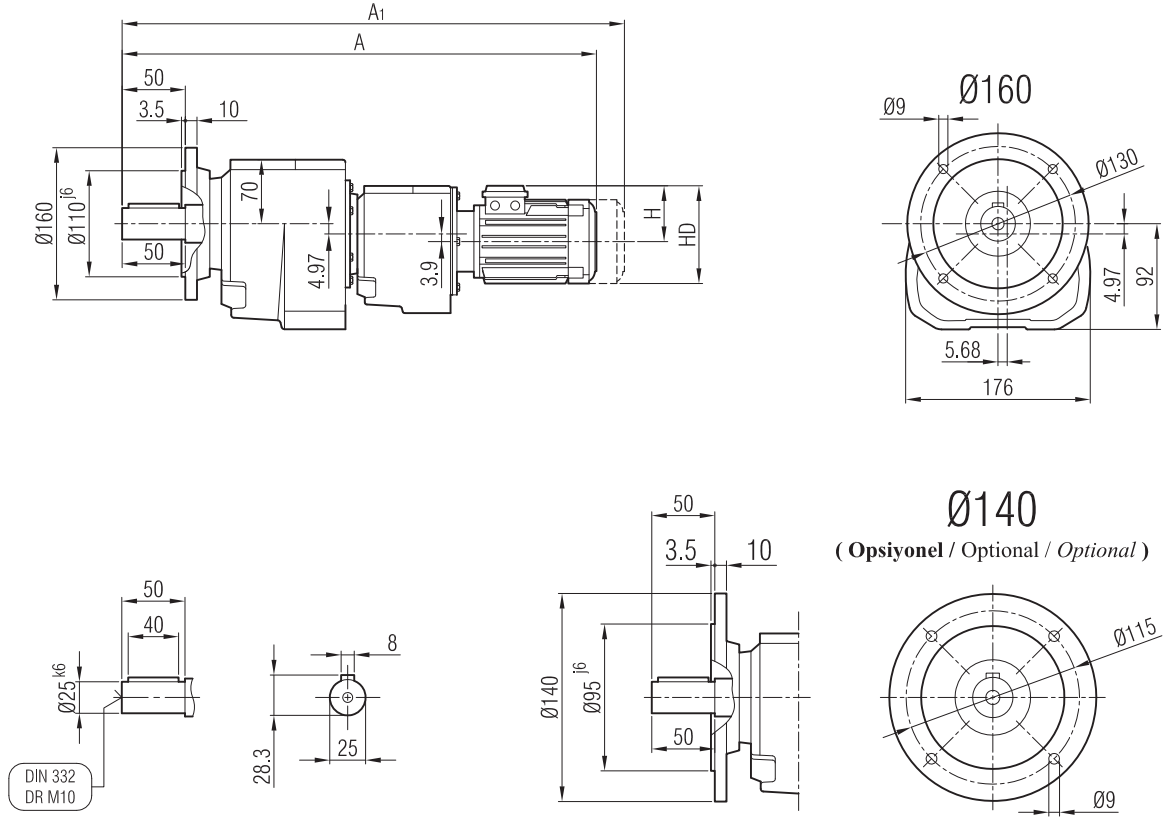
	56	63	71															
A		514	542															
A <sub>1</sub>		572	615															
H		99	111															
HD		162	182															

"A<sub>1</sub>" Ölçüsü Frenli Motorlar içindir.  
 Dimension "A<sub>1</sub>" is for motors with brake  
 Maß "A<sub>1</sub>" ist für Motoren mit Bremse





## İRMF 53 İR 42



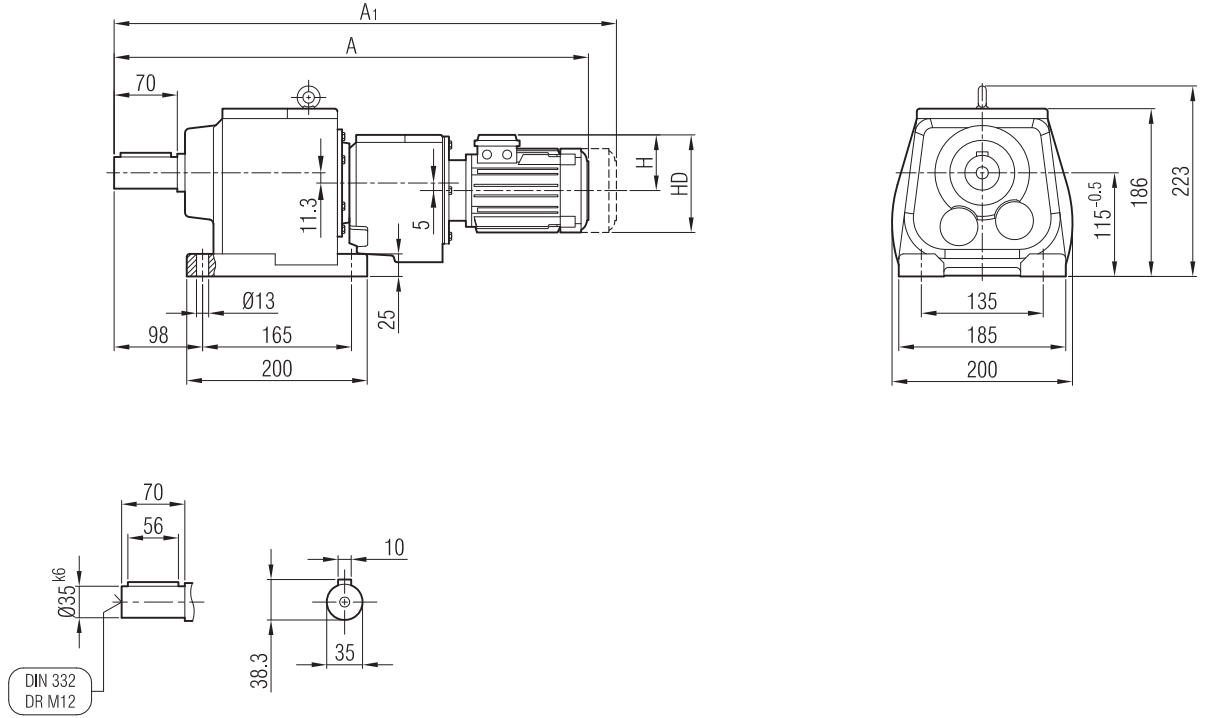
	56	63	71											
A		514	542											
A <sub>1</sub>		572	615											
H		99	111											
HD		162	182											

"A<sub>1</sub>" Ölçüsü Frenli Motorlar içindir.  
 Dimension "A<sub>1</sub>" is for motors with brake  
 Maß "A<sub>1</sub>" ist für Motoren mit Bremse





**İRAM 62 İR 52**  
**İRAM 63 İR 52**



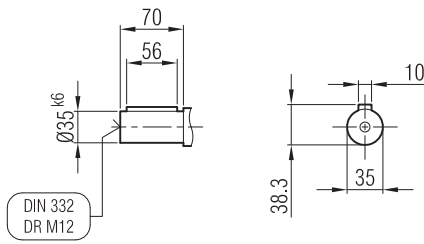
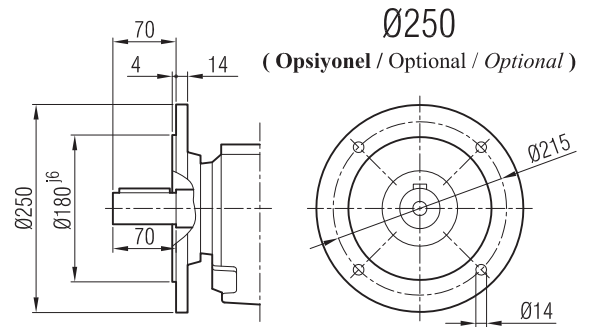
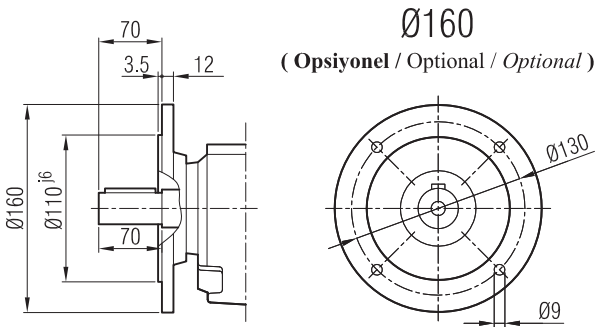
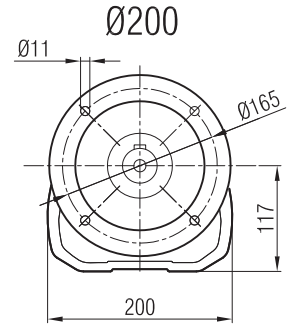
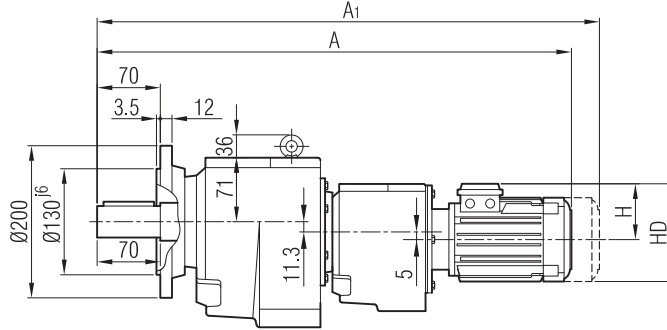
	56	63	71												
A		630	620												
A <sub>1</sub>		690	680												
H		99	111												
HD		162	182												

"A<sub>1</sub>" Ölçüsü Frenli Motorlar içindir.  
 Dimension "A<sub>1</sub>" is for motors with brake  
 Maß "A<sub>1</sub>" ist für Motoren mit Bremse





**İRFM 62 İR 52**  
**İRFM 63 İR 52**



	56	63	71																	
A		630	620																	
A <sub>1</sub>		690	680																	
H		99	111																	
HD		162	182																	

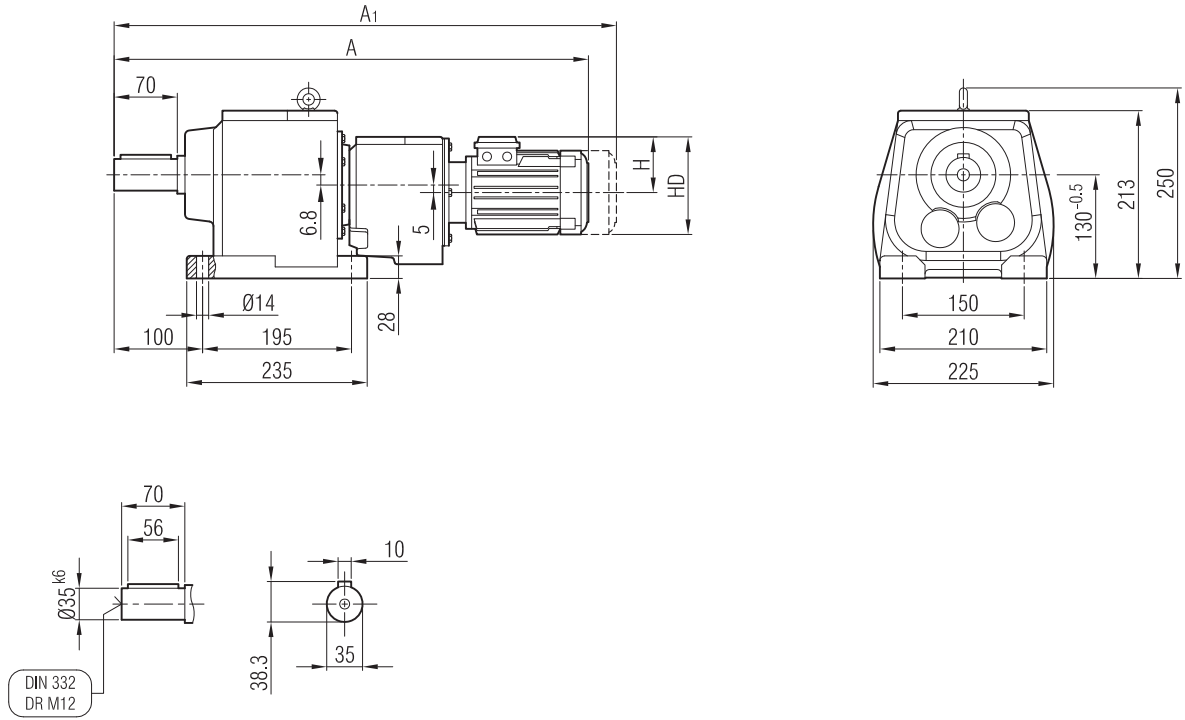
"A<sub>1</sub>" Ölçüsü Frenli Motorlar içindir.  
 Dimension "A<sub>1</sub>" is for motors with brake  
 Maß "A<sub>1</sub>" ist für Motoren mit Bremse







**İRAM 721 İR 53**  
**İRAM 731 İR 52**



	56	63	71	80														
A		655	642	673														
A <sub>1</sub>		713	703	734														
H		99	111	118														
HD		162	182	198														

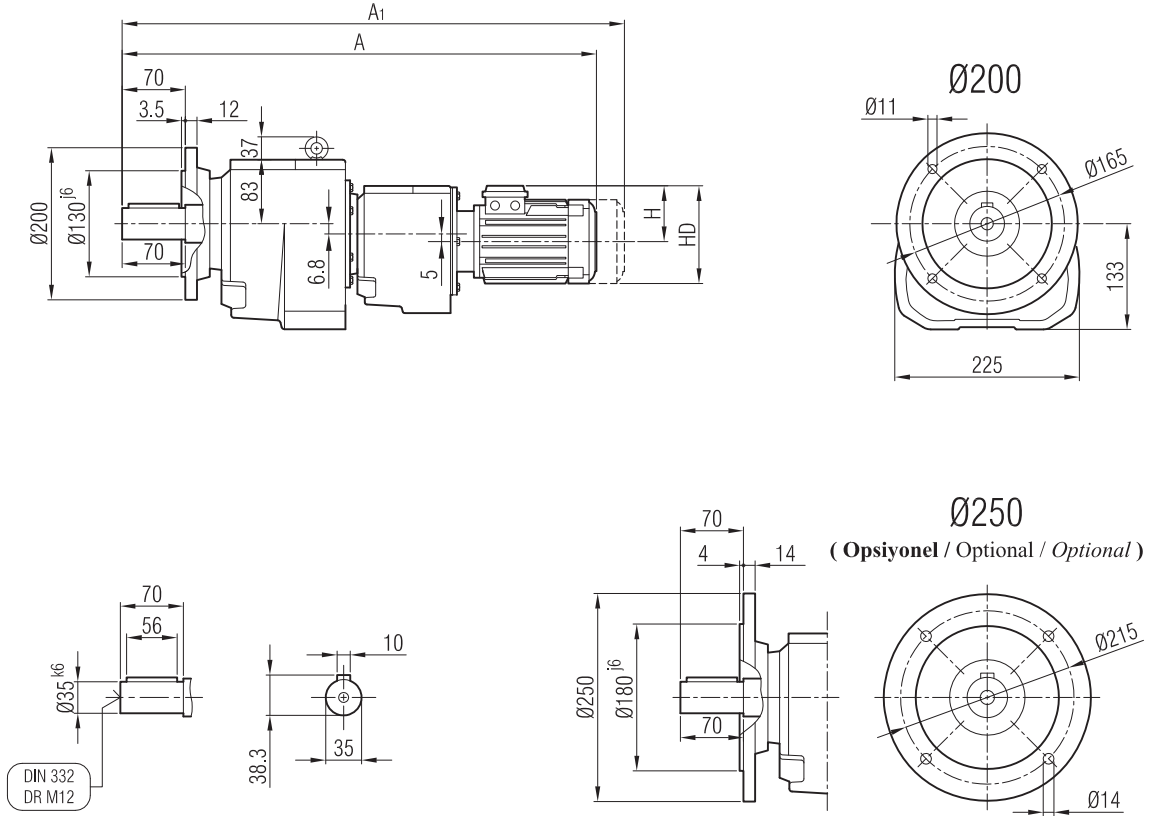
"A<sub>1</sub>" Ölçüsü Frenli Motorlar içindir.  
 Dimension "A<sub>1</sub>" is for motors with brake  
 Maß "A<sub>1</sub>" ist für Motoren mit Bremse





**İRFM 721 İR 53**

**İRFM 731 İR 52**



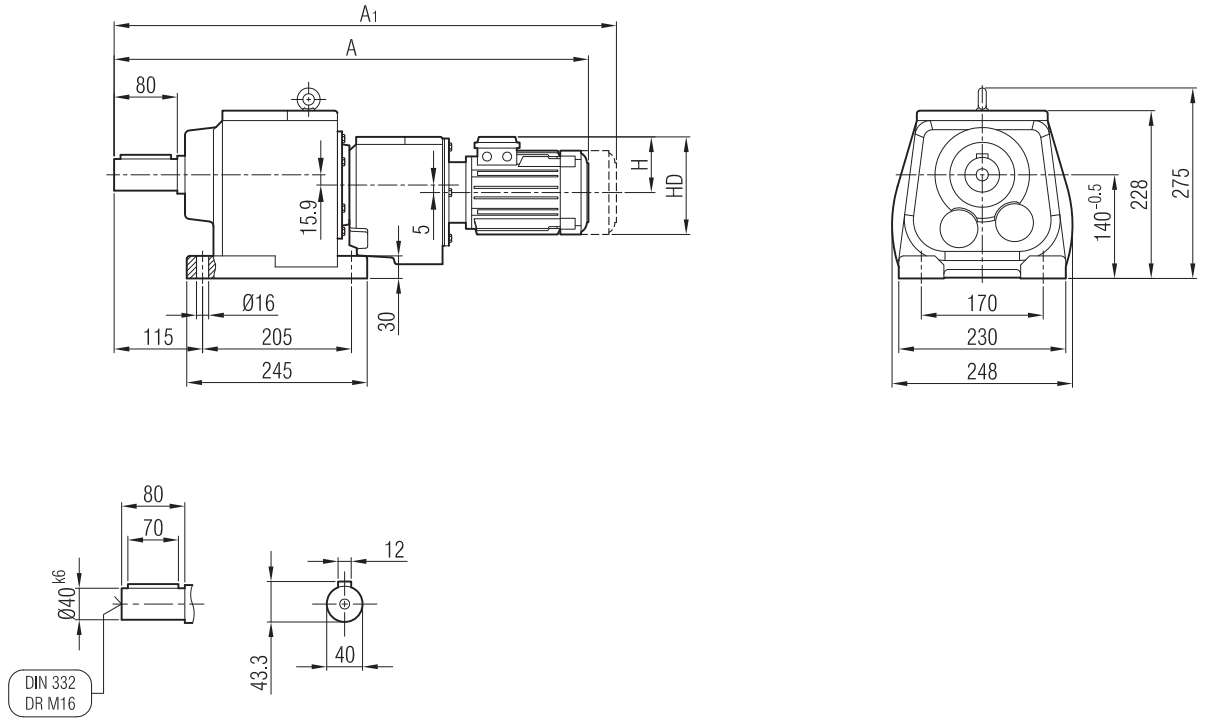
	56	63	71	80															
A		655	642	673															
A <sub>1</sub>		713	703	734															
H		99	111	118															
HD		162	182	198															

"A<sub>1</sub>" Ölçüsü Frenli Motorlar içindir.  
Dimension "A<sub>1</sub>" is for motors with brake  
Maß "A<sub>1</sub>" ist für Motoren mit Bremse





**İRAM 72 İR 52**  
**İRAM 73 İR 52**



	56	63	71	80														
A		683	670	701														
A <sub>1</sub>		741	731	762														
H		99	111	118														
HD		162	182	198														

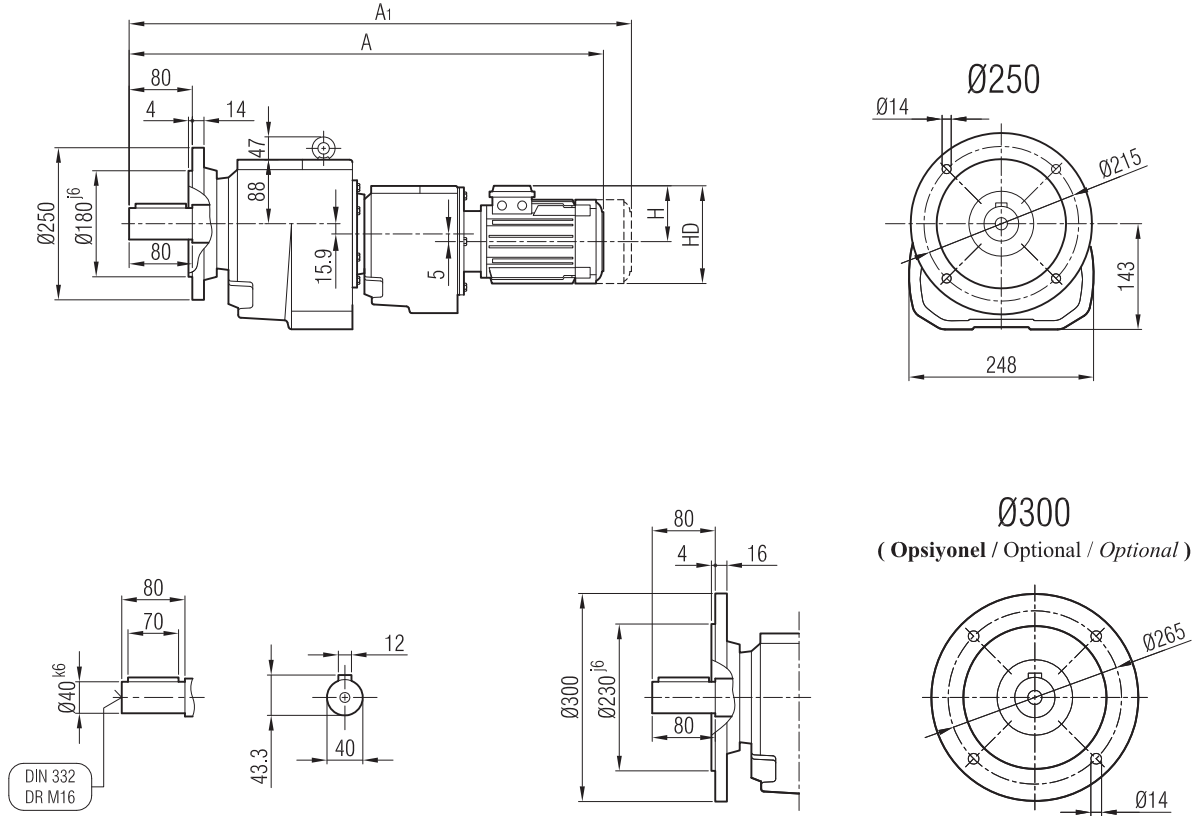
"A<sub>1</sub>" Ölçüsü Frenli Motorlar içindir.  
 Dimension "A<sub>1</sub>" is for motors with brake  
 Maß "A<sub>1</sub>" ist für Motoren mit Bremse





**İRFM 72 İR 52**

**İRFM 73 İR 52**



	56	63	71	80															
A		683	670	701															
A <sub>1</sub>		741	731	762															
H		99	111	118															
HD		162	182	198															

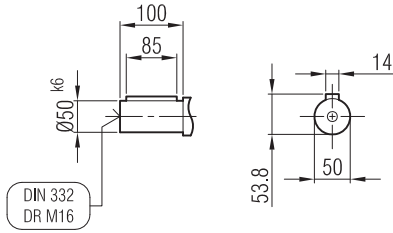
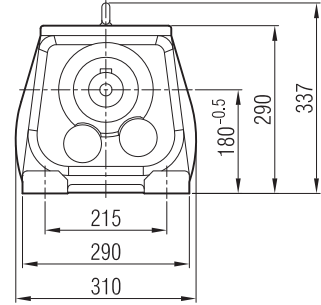
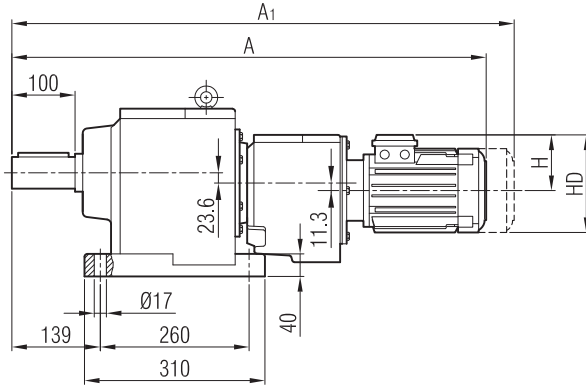
"A<sub>1</sub>" Ölçüsü Frenli Motorlar içindir.  
Dimension "A<sub>1</sub>" is for motors with brake  
Maß "A<sub>1</sub>" ist für Motoren mit Bremse





**İRAM 82 İR 63**

**İRAM 83 İR 63**



	56	63	71	80	90 S										
A		795	821	842	865										
A <sub>1</sub>		853	882	903	914										
H		99	111	118	132										
HD		162	182	198	222										

"A<sub>1</sub>" Ölçüsü Frenli Motorlar içindir.

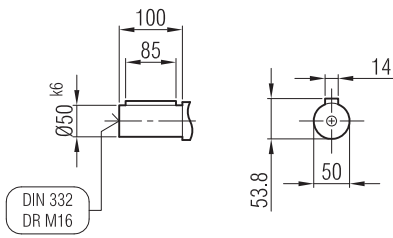
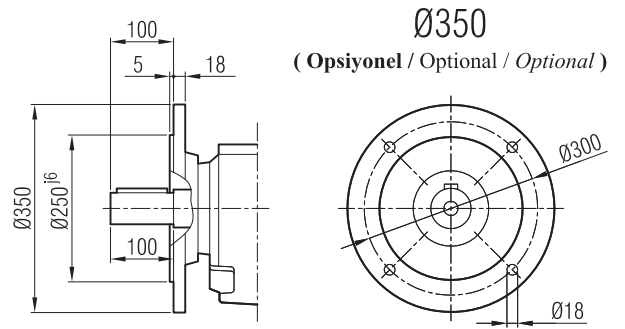
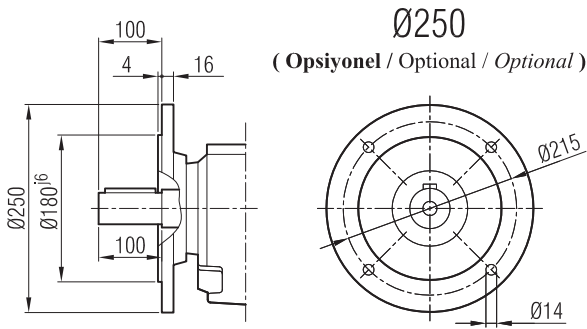
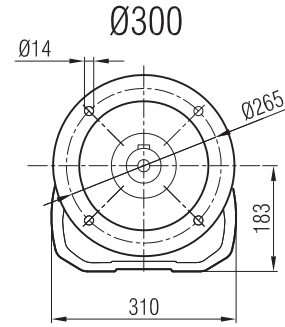
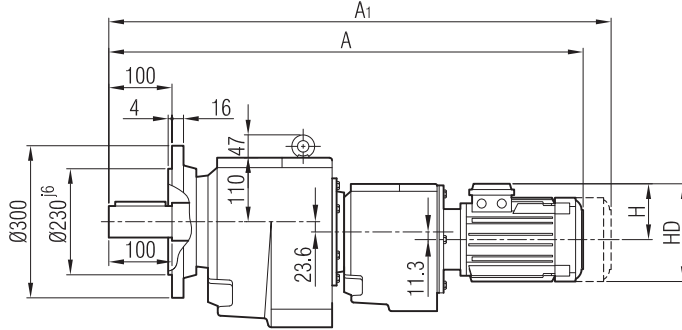
Dimension "A<sub>1</sub>" is for motors with brake

Maß "A<sub>1</sub>" ist für Motoren mit Bremse





**İRFM 82 İR 63**  
**İRFM 83 İR 63**



	56	63	71	80	90 S										
A		795	821	842	865										
A <sub>1</sub>		853	882	903	914										
H		99	111	118	132										
HD		162	182	198	222										

"A<sub>1</sub>" Ölçüsü Frenli Motorlar içindir.  
 Dimension "A<sub>1</sub>" is for motors with brake  
 Maß "A<sub>1</sub>" ist für Motoren mit Bremse



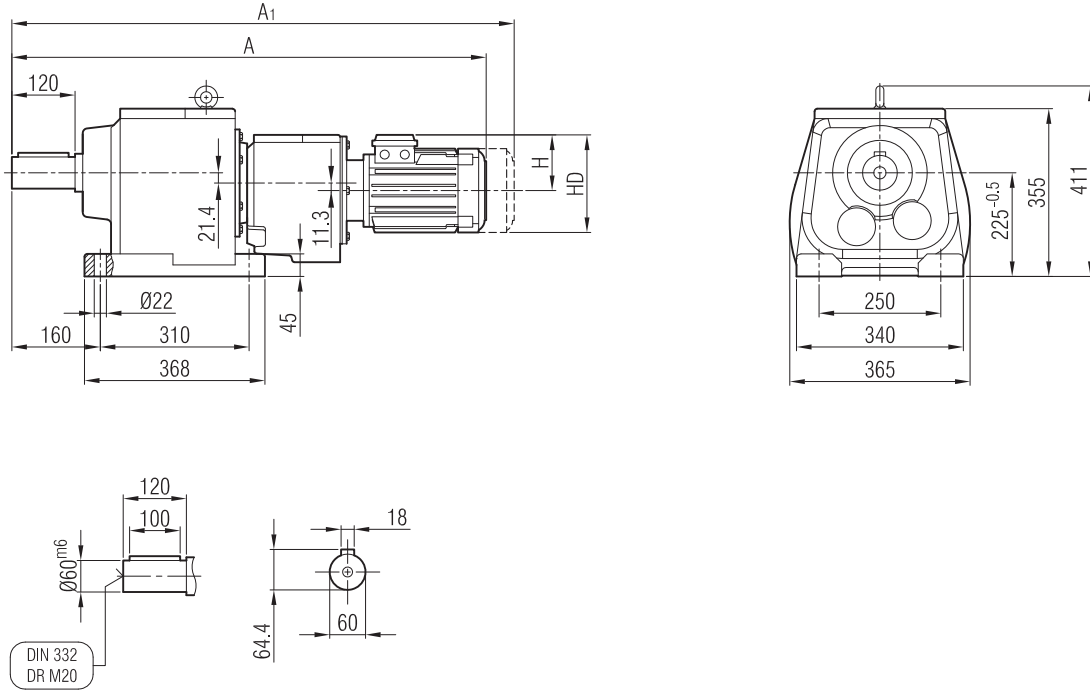


**İRAM 92 İR 62**

**İRAM 92 İR 63**

**İRAM 93 İR 62**

**İRAM 93 İR 63**



	56	63	71	80	90 S	90 L									
A		865	855	875	890	910									
A <sub>1</sub>		925	915	935	960	980									
H		99	111	118	132	132									
HD		162	182	198	222	222									

"A<sub>1</sub>" Ölçüsü Frenli Motorlar içindir.

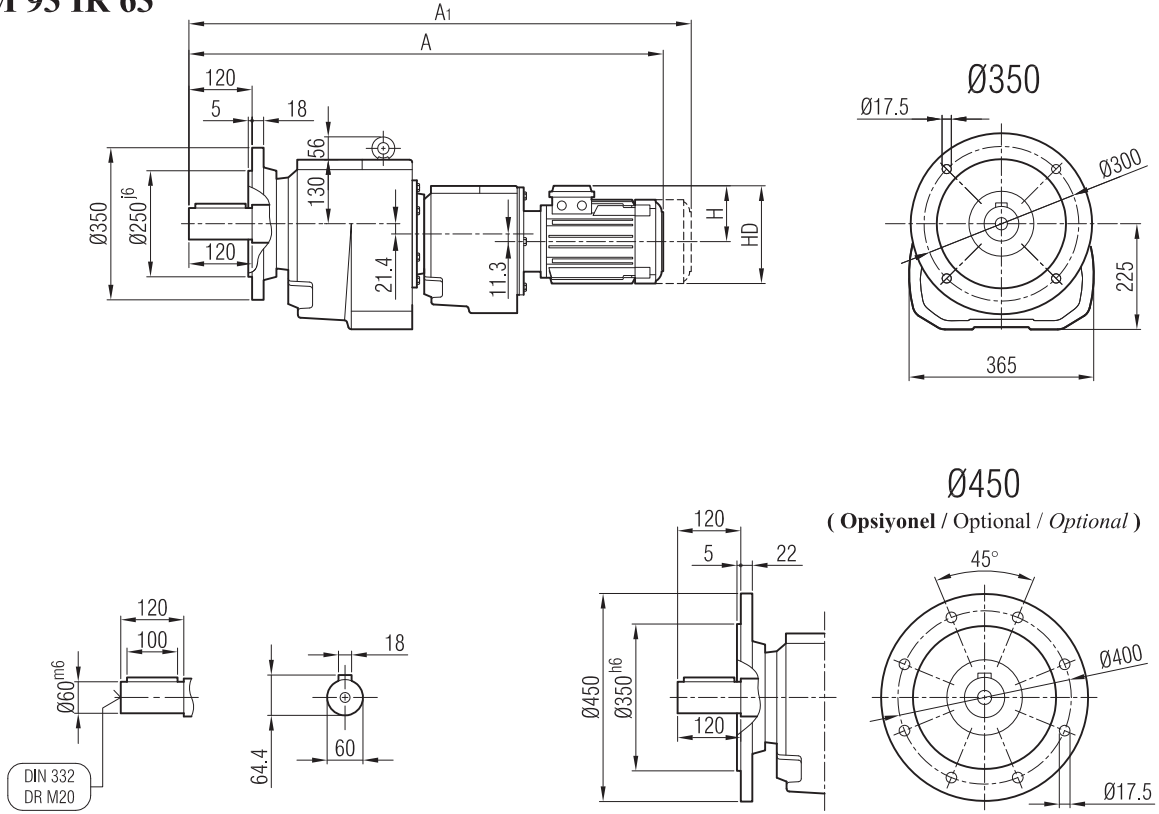
Dimension "A<sub>1</sub>" is for motors with brake

Maß "A<sub>1</sub>" ist für Motoren mit Bremse





İRFM 92 İR 62  
İRFM 92 İR 63  
İRFM 93 İR 62  
İRFM 93 İR 63



	56	63	71	80	90 S	90 L								
A		865	855	875	890	910								
A <sub>1</sub>		925	915	935	960	980								
H		99	111	118	132	132								
HD		162	182	198	222	222								

"A<sub>1</sub>" Ölçüsü Frenli Motorlar içindir.  
Dimension "A<sub>1</sub>" is for motors with brake  
Maß "A<sub>1</sub>" ist für Motoren mit Bremse





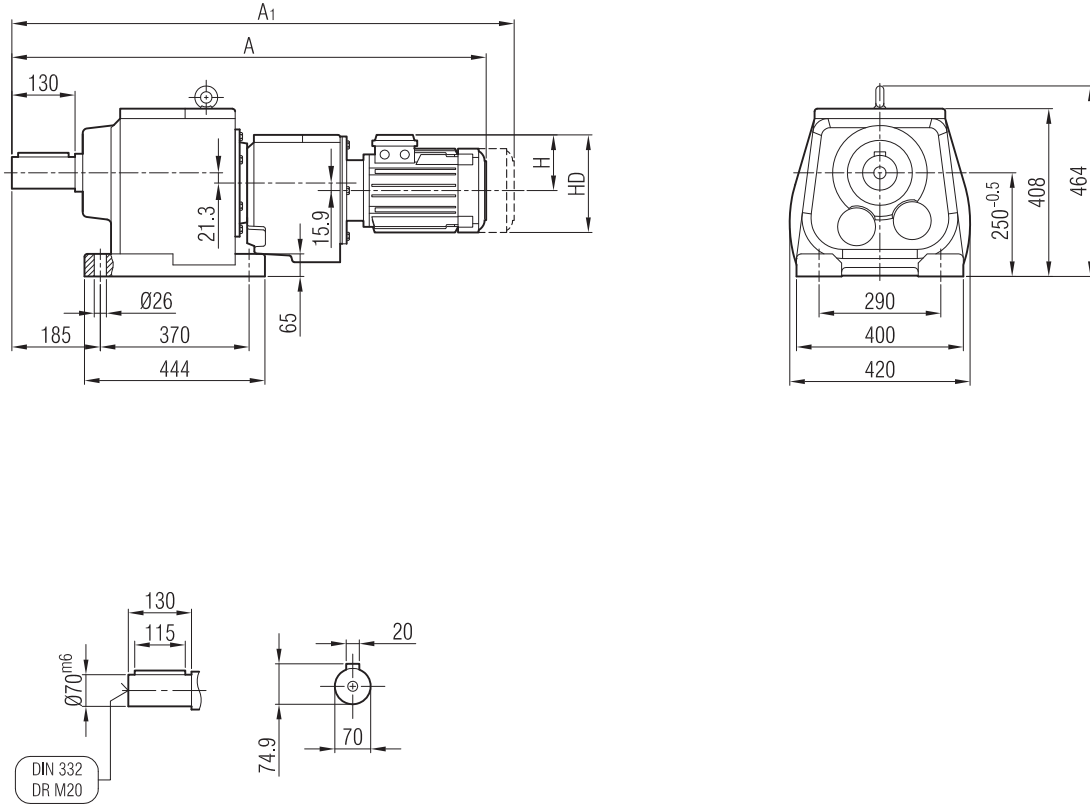


**İRAM 102 İR 72**

**İRAM 102 İR 73**

**İRAM 103 İR 72**

**İRAM 103 İR 73**



	56	63	71	80	90 S	90 L	100									
A			956	987	1000	1020	1054									
A <sub>1</sub>			1017	1048	1069	1089	1139									
H			111	118	132	132	141									
HD			182	198	222	222	241									

"A<sub>1</sub>" Ölçüsü Frenli Motorlar içindir.

Dimension "A<sub>1</sub>" is for motors with brake

Maß "A<sub>1</sub>" ist für Motoren mit Bremse



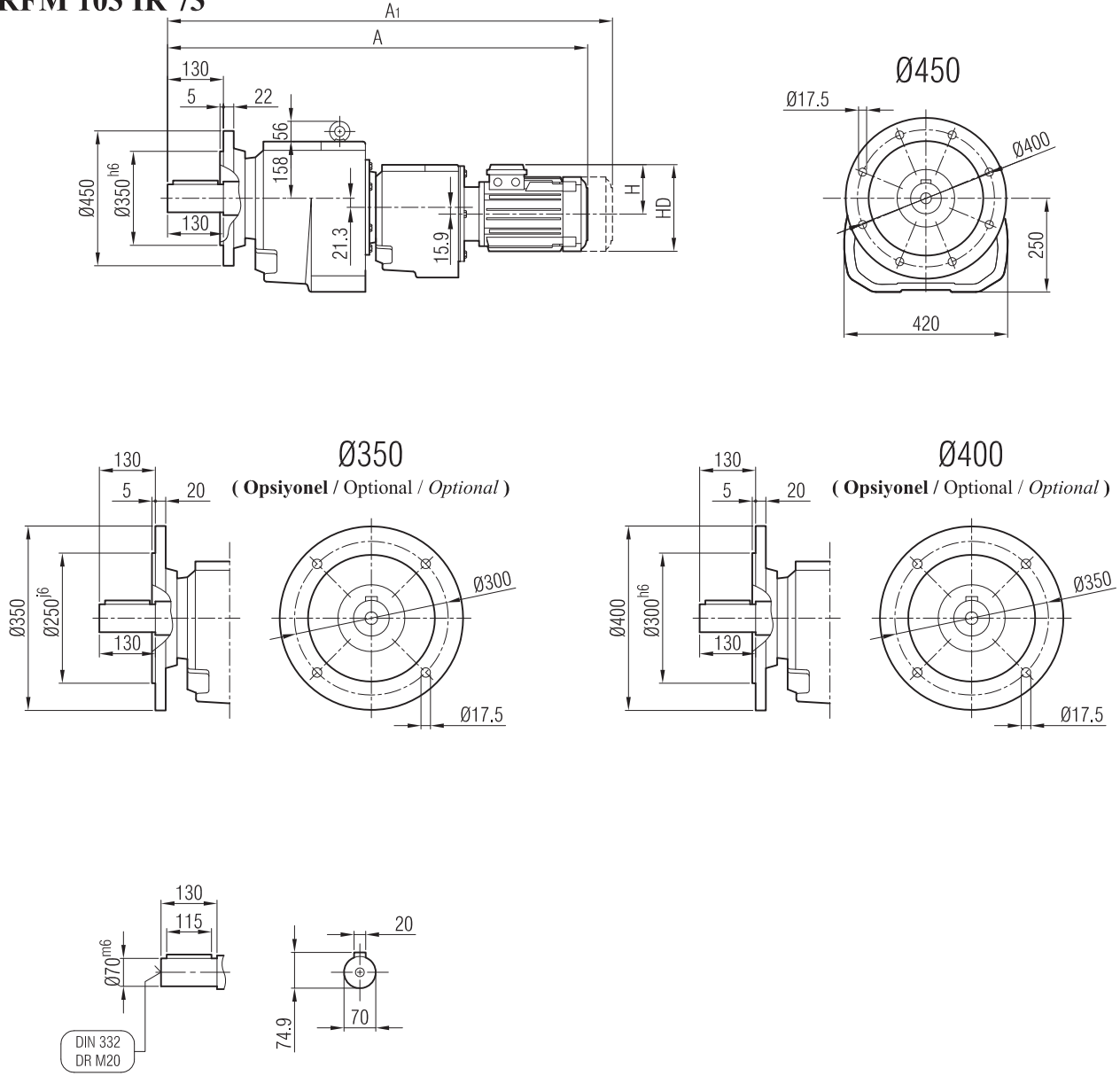


**İRFM 102 İR 72**

**İRFM 102 İR 73**

**İRFM 103 İR 72**

**İRFM 103 İR 73**



	56	63	71	80	90 S	90 L	100								
A			956	987	1000	1020	1054								
A <sub>1</sub>			1017	1048	1069	1089	1139								
H			111	118	132	132	141								
HD			182	198	222	222	241								

"A<sub>1</sub>" Ölçüsü Frenli Motorlar içindir.

Dimension "A<sub>1</sub>" is for motors with brake

Maß "A<sub>1</sub>" ist für Motoren mit Bremse

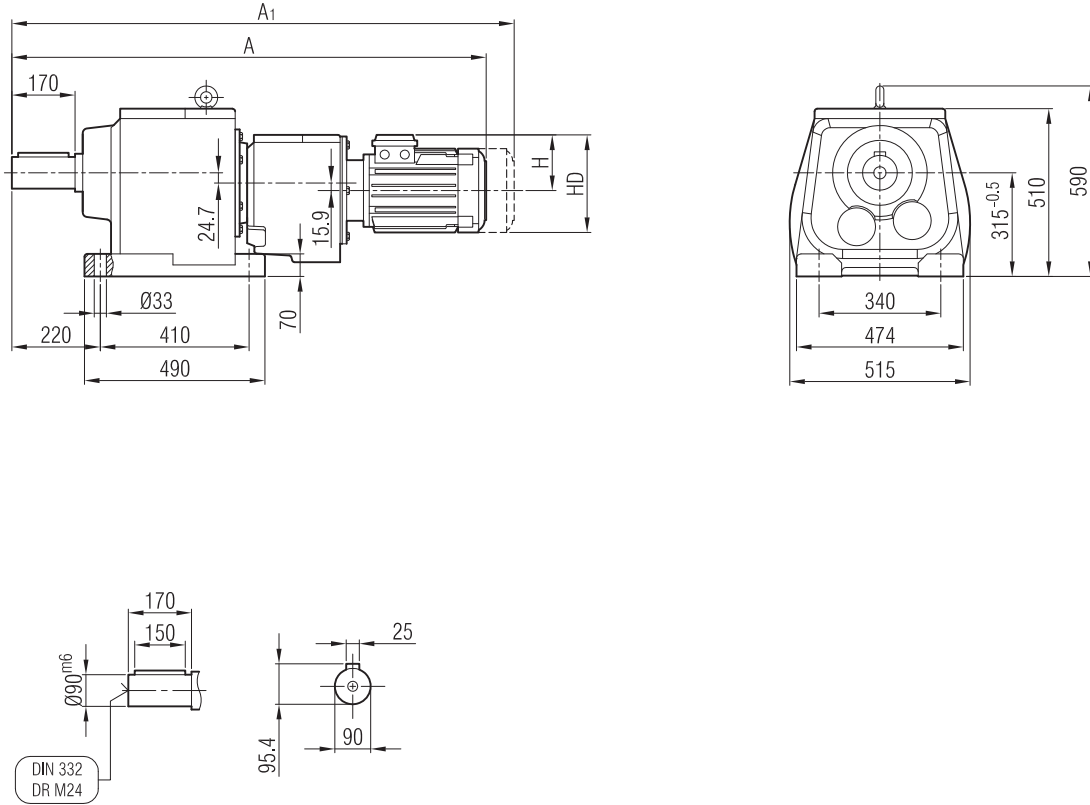




**İRAM 122 İR 73**

**İRAM 123 İR 72**

**İRAM 123 İR 73**



	56	63	71	80	90 S	90 L	100	112								
A			1108	1139	1163	1188	1230	1249								
A <sub>1</sub>			1181	1222	1248	1273	1332	1374								
H			111	118	132	132	141	149								
HD			182	198	222	222	241	261								

"A<sub>1</sub>" Ölçüsü Frenli Motorlar içindir.

Dimension "A<sub>1</sub>" is for motors with brake

Maß "A<sub>1</sub>" ist für Motoren mit Bremse

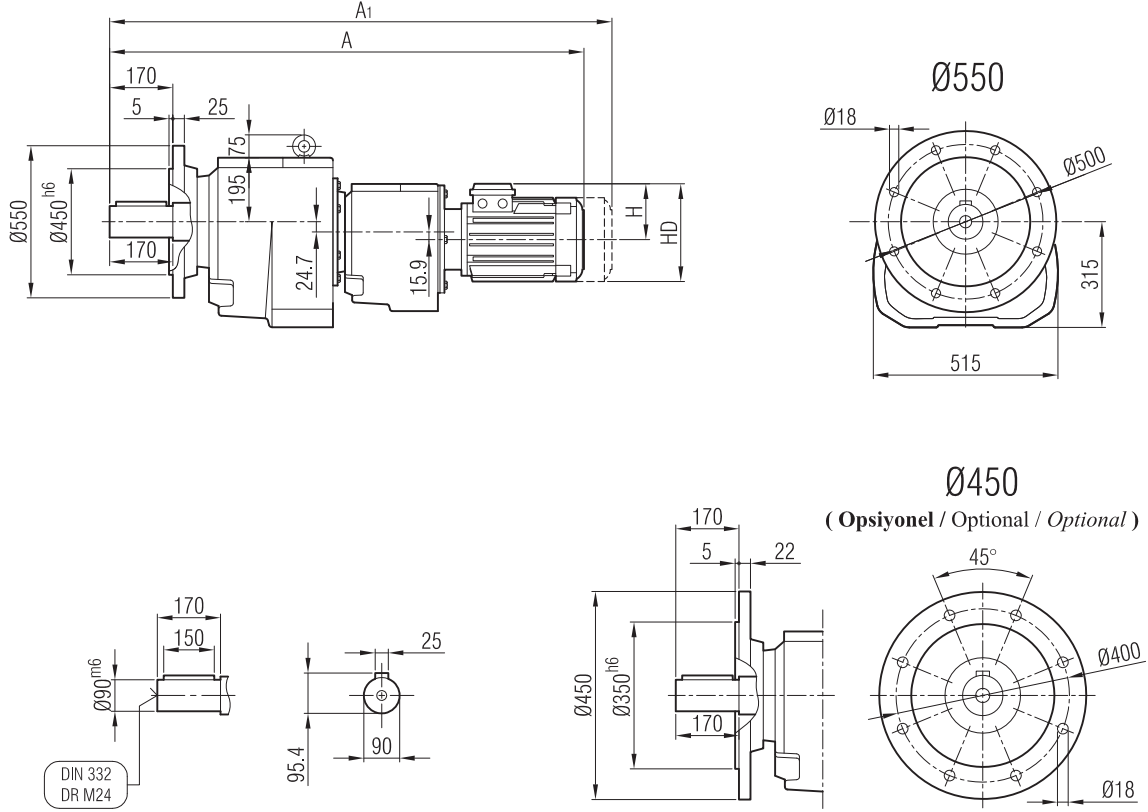




**İRFM 122 İR 73**

**İRFM 123 İR 72**

**İRFM 123 İR 73**



	56	63	71	80	90 S	90 L	100	112							
A			1108	1139	1163	1188	1230	1249							
A <sub>1</sub>			1181	1222	1248	1273	1332	1374							
H			111	118	132	132	141	149							
HD			182	198	222	222	241	261							

"A<sub>1</sub>" Ölçüsü Frenli Motorlar içindir.

Dimension "A<sub>1</sub>" is for motors with brake

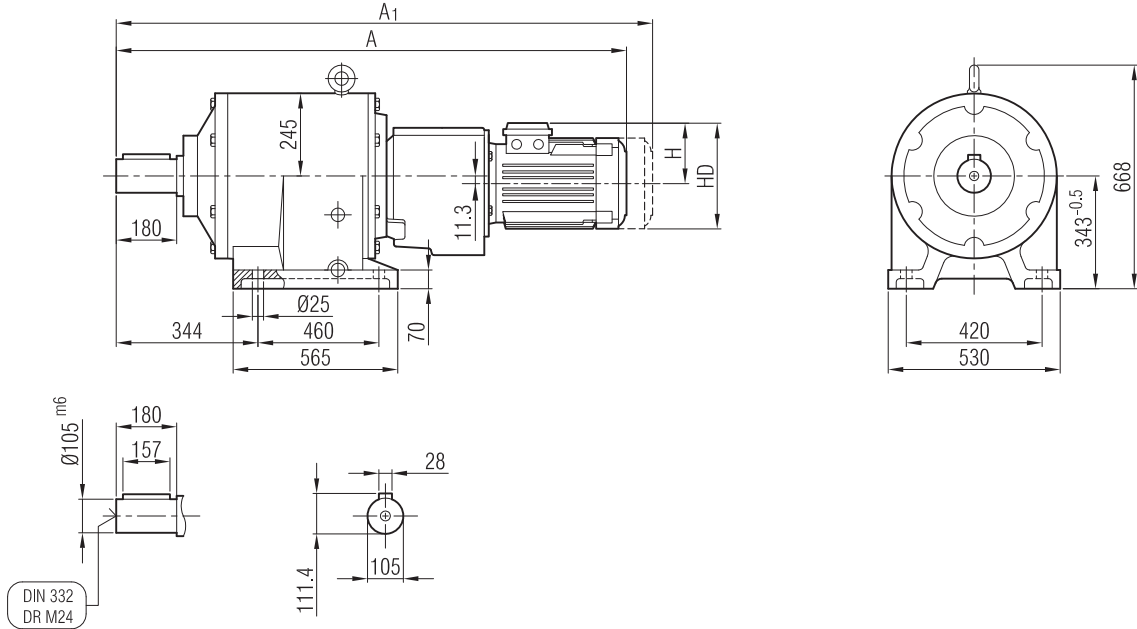
Maß "A<sub>1</sub>" ist für Motoren mit Bremse





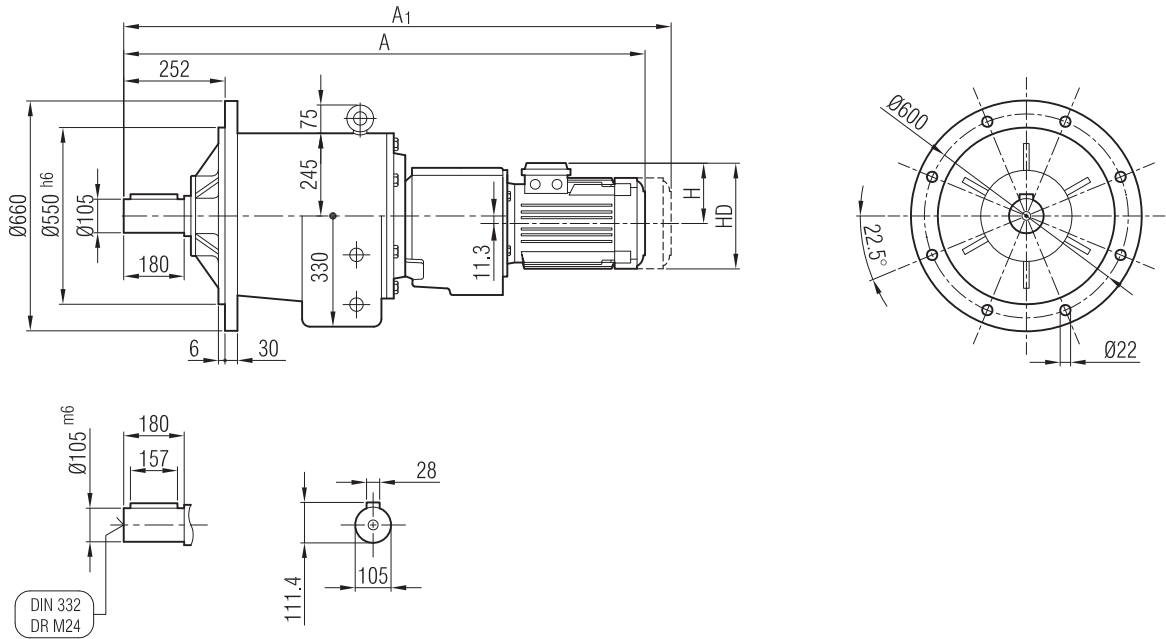
### İRAM 151 İR 62

### İRAM 151 İR 63



### İRFM 151 İR 62

### İRFM 151 İR 63



	56	63	71	80	90 S	90 L								
A				1194	1219	1244								
A <sub>1</sub>				1279	1302	1329								
H				118	132	132								
HD				198	222	222								

"A<sub>1</sub>" Ölçüsü Frenli Motorlar içindir.

Dimension "A<sub>1</sub>" is for motors with brake

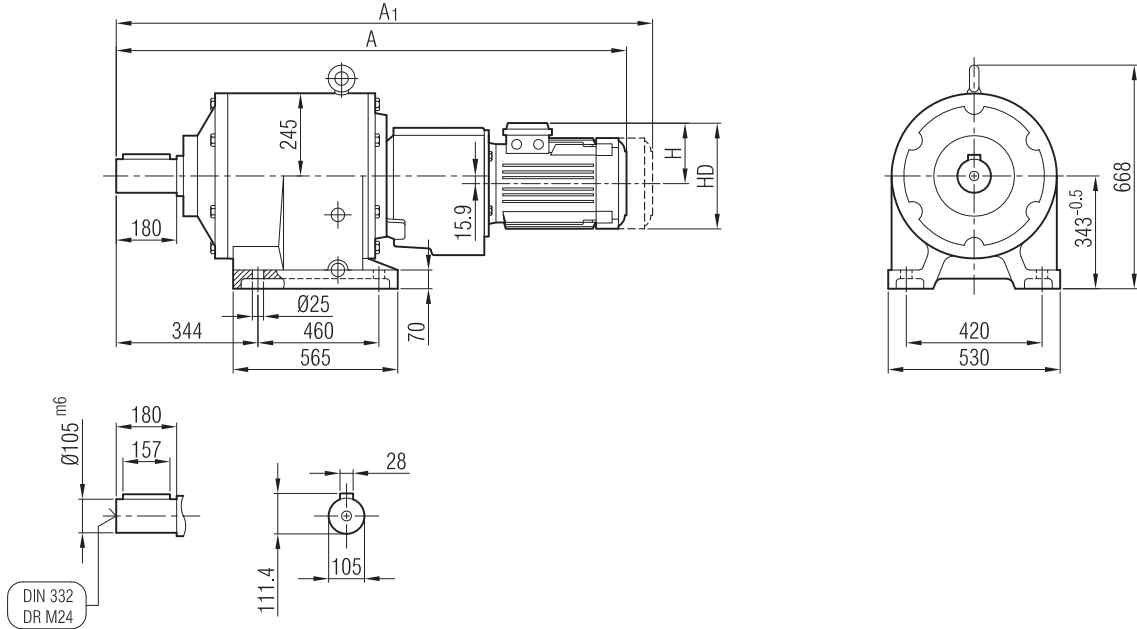
Maß "A<sub>1</sub>" ist für Motoren mit Bremse





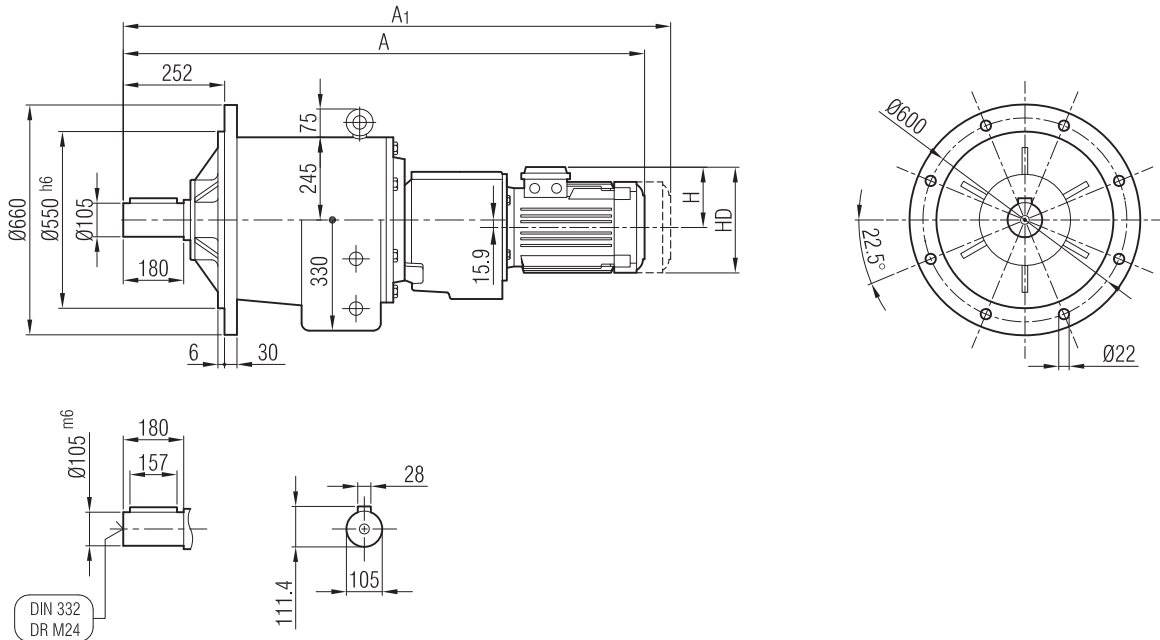
### İRAM 151 İR 72

### İRAM 151 İR 73



### İRFM 151 İR 72

### İRFM 151 İR 73



	56	63	71	80	90 S	90 L	100									
A							1320									
A <sub>1</sub>							1422									
H							141									
HD							241									

"A<sub>1</sub>" Ölçüsü Frenli Motorlar içindir.

Dimension "A<sub>1</sub>" is for motors with brake

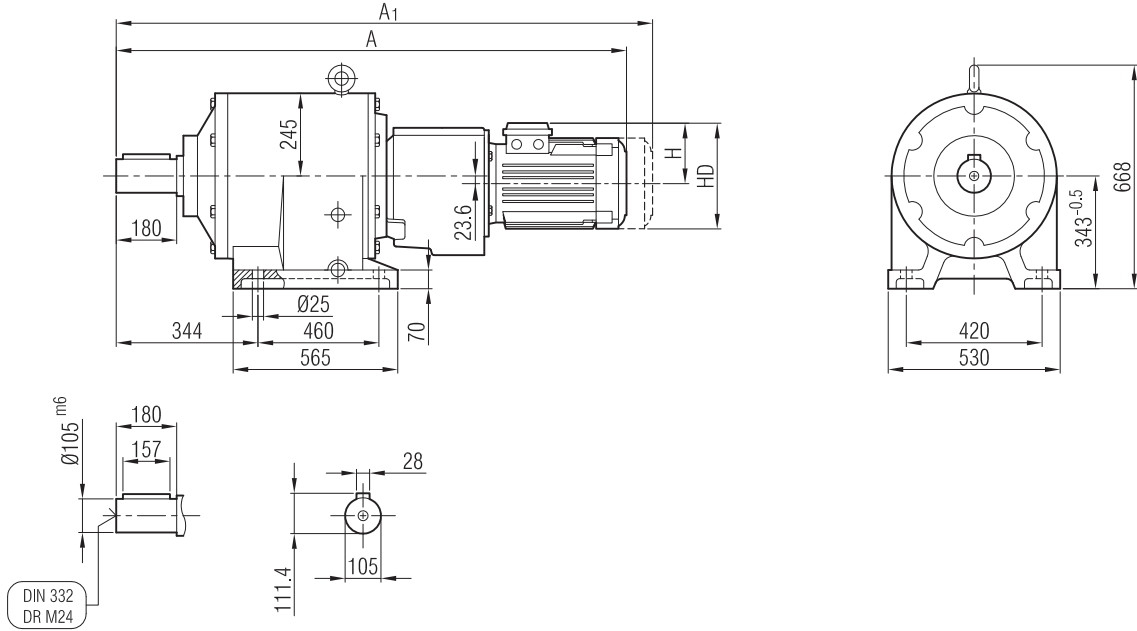
Maß "A<sub>1</sub>" ist für Motoren mit Bremse





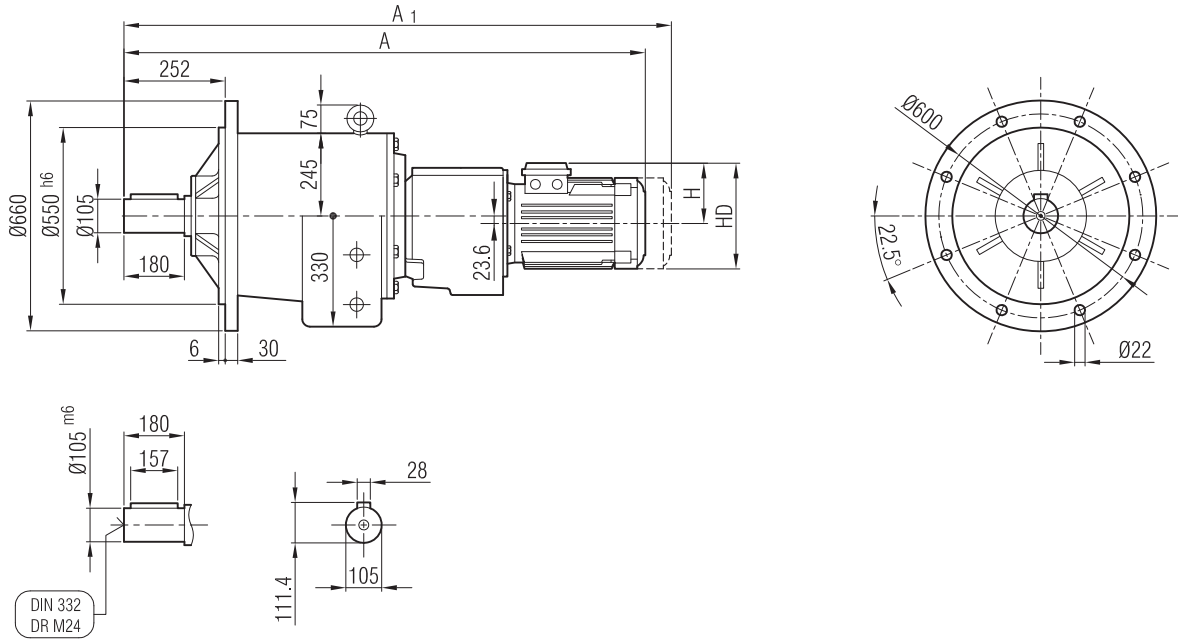
### İRAM 151 İR 82

### İRAM 151 İR 83



### İRFM 151 İR 82

### İRFM 151 İR 83



	56	63	71	80	90 S	90 L	100	112							
A								1390							
A <sub>1</sub>								1470							
H								149							
HD								261							

"A<sub>1</sub>" Ölçüsü Frenli Motorlar içindir.  
Dimension "A<sub>1</sub>" is for motors with brake  
Maß "A<sub>1</sub>" ist für Motoren mit Bremse





**IRAPM ...**



**IRAFPM ...**



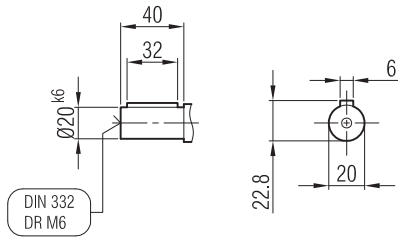
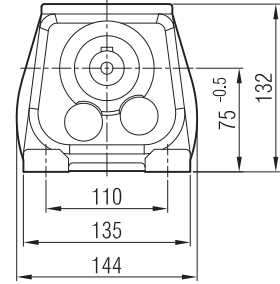
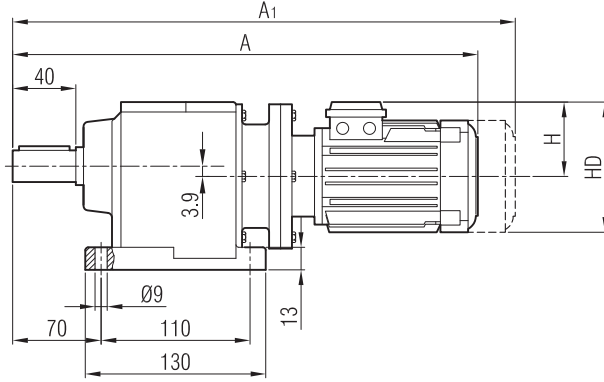
**IRFPM ...**



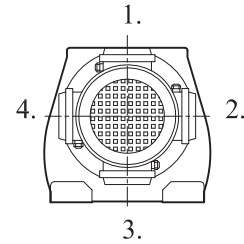


## İRAPM 42

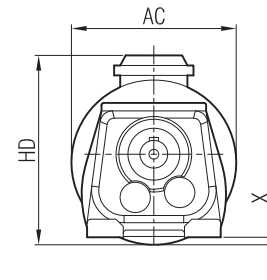
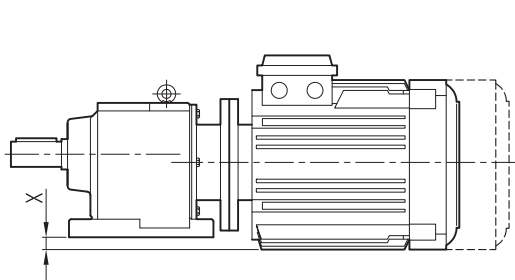
## İRAPM 43



### Klemens Pozisyonları Terminal Box Positions Klemmenkasten Positionen



### 63-71-80-90 Tip/Type/Typ



	56/B5	63/B5	71/B5	80/B5	90 S/B5	90 L/B5									
A		397	432	453	467	483									
A1		455	505	536	552	568									
H		99	111	118	132	132									
HD		162	182	198	222	222									
AC		123	132	158	193	193									
X		-	-	29	29	29									

"A1" Ölçüsü Frenli Motorlar içindir.

Dimension "A1" is for motors with brake

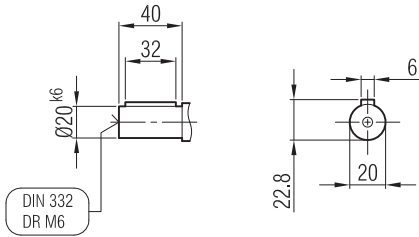
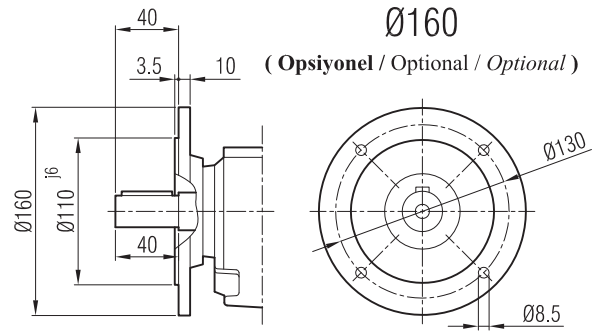
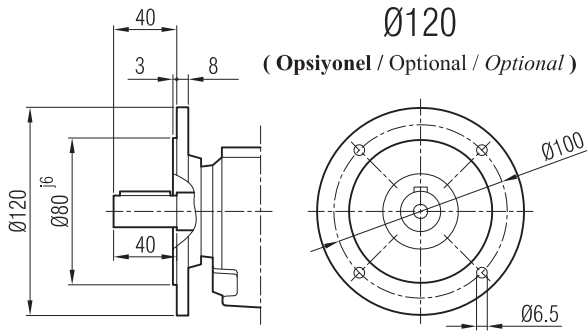
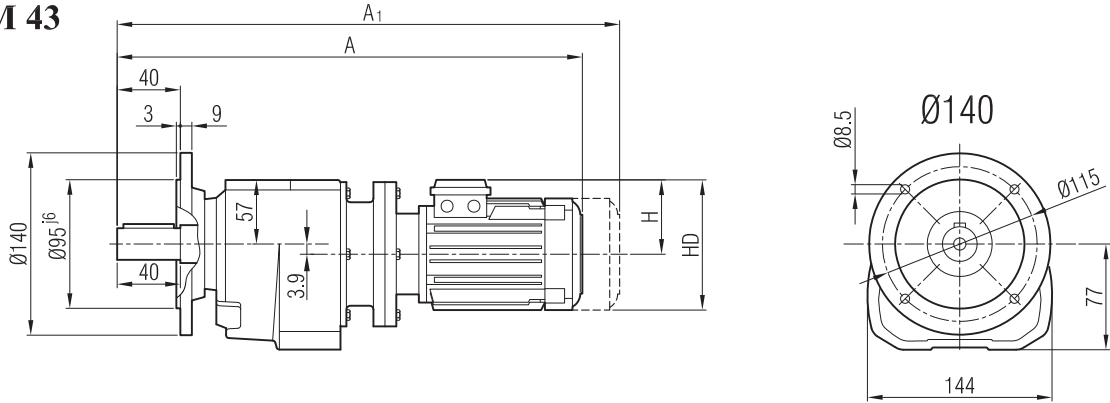
Maß "A1" ist für Motoren mit Bremse



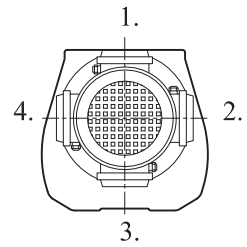


## İRFPM 42

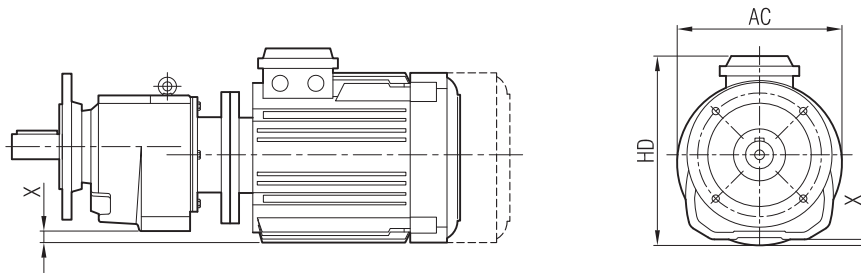
## İRFPM 43



**Klemens Pozisyonları**  
Terminal Box Positions  
Klemmenkasten Positionen



63-71-80-90 Tip/Type/Typ



	56/B5	63/B5	71/B5	80/B5	90 S/B5	90 L/B5								
A		397	432	453	467	483								
A <sub>1</sub>		455	505	536	552	568								
H		99	111	118	132	132								
HD		162	182	198	222	222								
AC		123	132	158	193	193								
X		-	-	27	27	27								

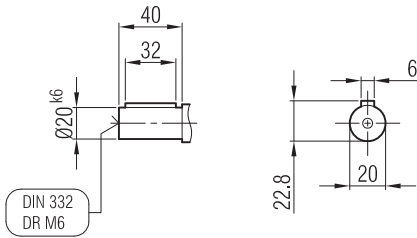
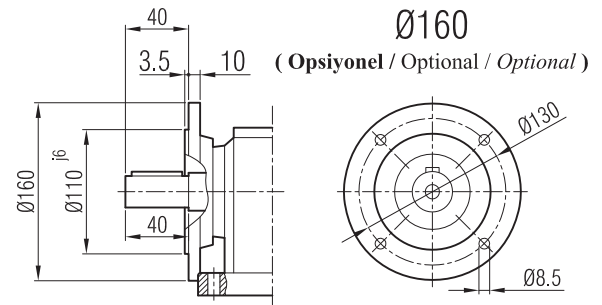
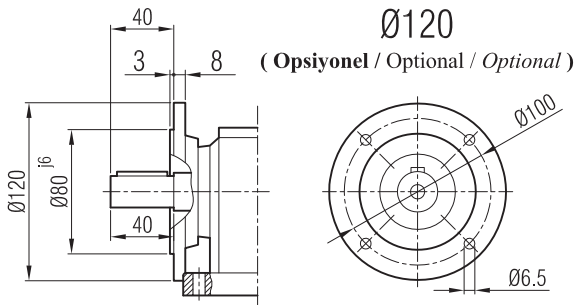
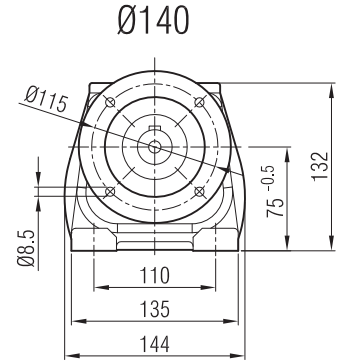
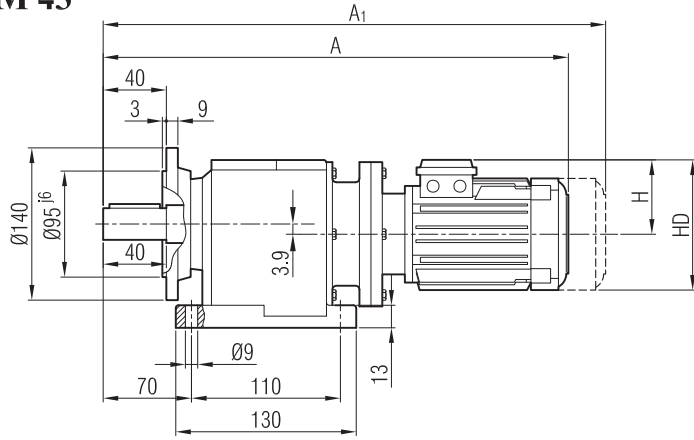
"A<sub>1</sub>" Ölçüsü Frenli Motorlar içindir.  
Dimension "A<sub>1</sub>" is for motors with brake  
Maß "A<sub>1</sub>" ist für Motoren mit Bremse



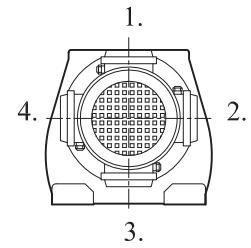


## İRAFPM 42

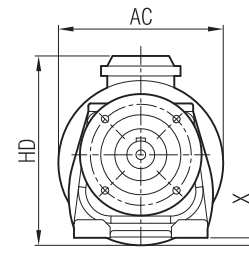
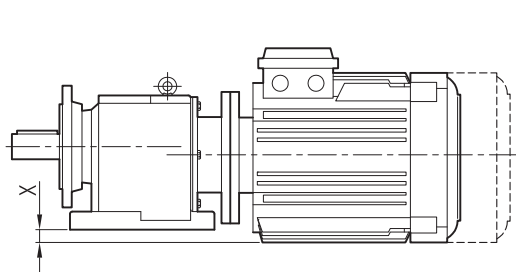
## İRAFPM 43



**Klemens Pozisyonları**  
Terminal Box Positions  
Klemmenkasten Positionen



63-71-80-90 Tip/Type/Typ



	56/B5	63/B5	71/B5	80/B5	90 S/B5	90 L/B5									
A		397	432	453	467	483									
A <sub>1</sub>		455	505	536	552	568									
H		99	111	118	132	132									
HD		162	182	198	222	222									
AC		123	132	158	193	193									
X		-	-	29	29	29									

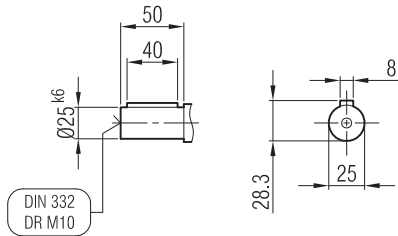
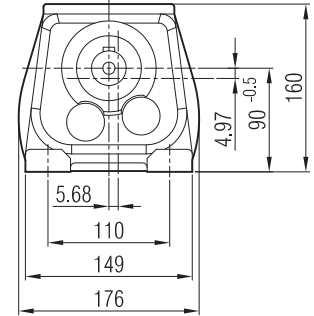
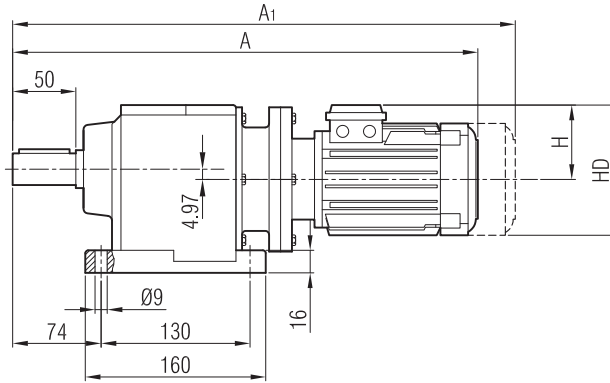
"A<sub>1</sub>" Ölçüsü Frenli Motorlar içindir.  
Dimension "A<sub>1</sub>" is for motors with brake  
Maß "A<sub>1</sub>" ist für Motoren mit Bremse



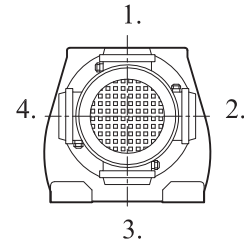


## İRAPM 52

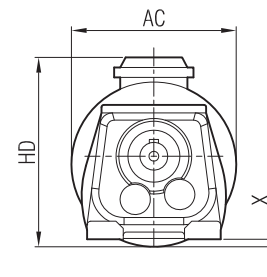
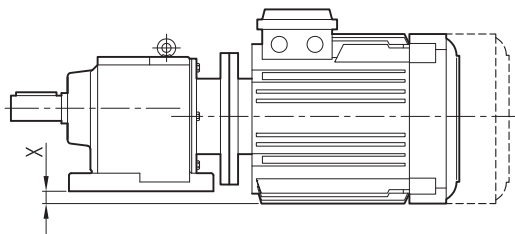
## İRAPM 53



### Klemens Pozisyonları Terminal Box Positions Klemmenkasten Positionen



63-71-80-90-100 Tip/Type/Typ



	56/B5	63/B5	71/B5	80/B5	90 S/B5	90 L/B5	100/B5								
A		430	465	483	497	522	573								
A <sub>1</sub>		488	538	566	582	607	663								
H		99	111	118	132	132	141								
HD		162	182	198	222	222	241								
AC		123	132	158	193	193	217								
X		-	-	-	15	15	40								

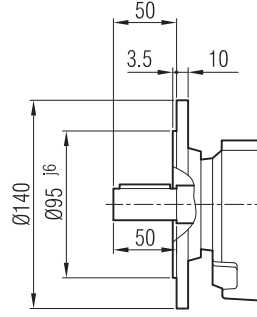
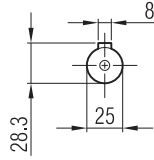
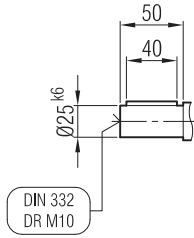
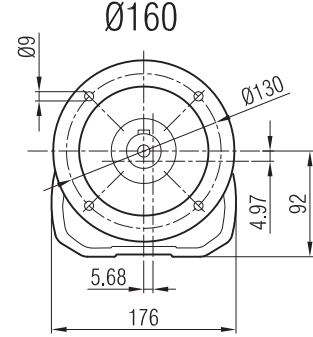
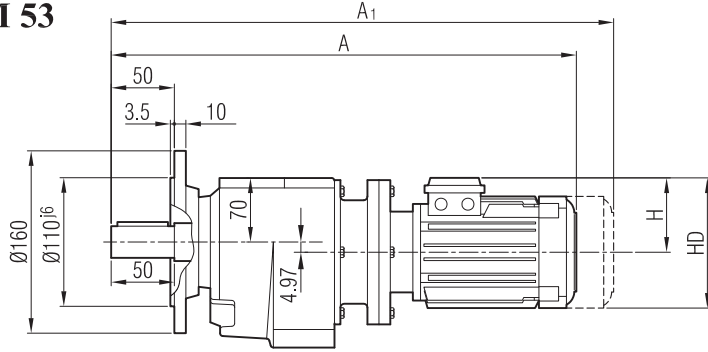
"A<sub>1</sub>" Ölçüsü Frenli Motorlar içindir.  
Dimension "A<sub>1</sub>" is for motors with brake  
Maß "A<sub>1</sub>" ist für Motoren mit Bremse



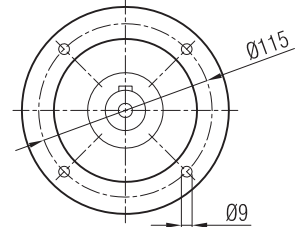


## İRFPM 52

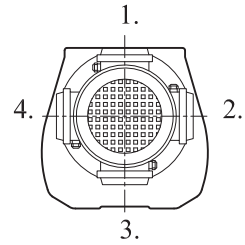
## İRFPM 53



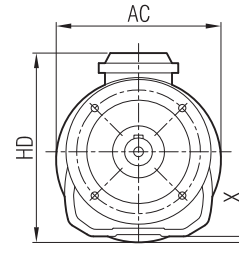
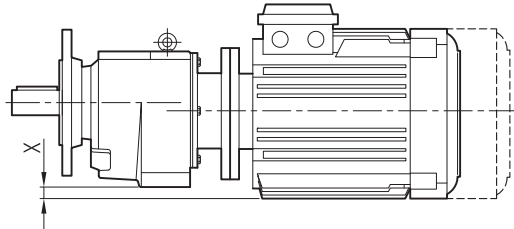
Ø140  
( Opsiyonel / Optional / Optional )



**Klemens Pozisyonları**  
Terminal Box Positions  
Klemmenkasten Positionen



63-71-80-90-100 Tip/Type/Typ



	56/B5	63/B5	71/B5	80/B5	90 S/B5	90 L/B5	100/B5								
A		430	465	483	497	522	573								
A <sub>1</sub>		488	538	566	582	607	663								
H		99	111	118	132	132	141								
HD		162	182	198	222	222	241								
AC		123	132	158	193	193	217								
X		-	-	-	13	13	38								

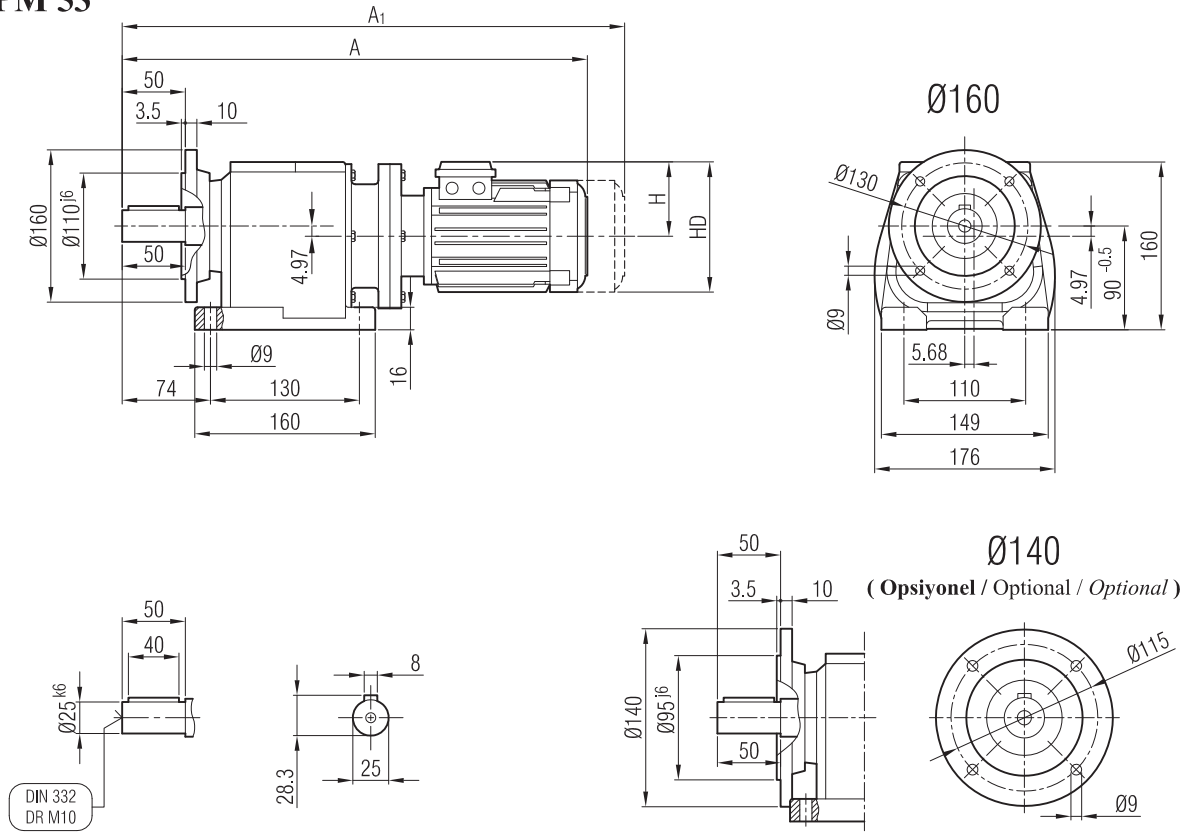
"A<sub>1</sub>" Ölçüsü Frenli Motorlar içindir.  
Dimension "A<sub>1</sub>" is for motors with brake  
Maß "A<sub>1</sub>" ist für Motoren mit Bremse



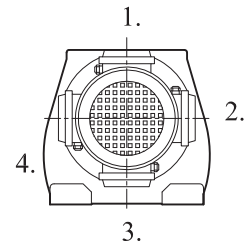


## İRAFPM 52

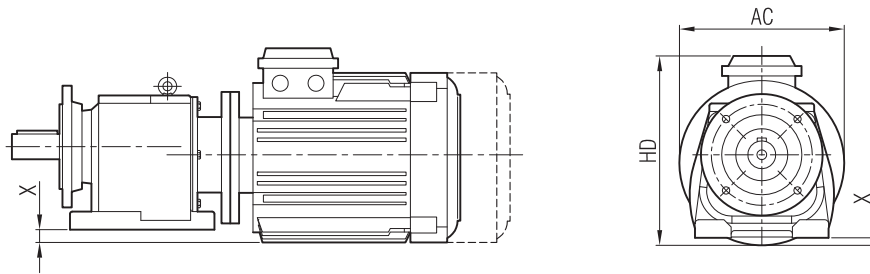
## İRAFPM 53



**Klemens Pozisyonları**  
Terminal Box Positions  
Klemmenkasten Positionen



63-71-80-90-100 Tip/Type/Typ



	56/B5	63/B5	71/B5	80/B5	90 S/B5	90 L/B5	100/B5							
A		430	465	483	497	522	573							
A <sub>1</sub>		488	538	566	582	607	663							
H		99	111	118	132	132	141							
HD		162	182	198	222	222	241							
AC		123	132	158	193	193	217							
X		-	-	-	15	15	40							

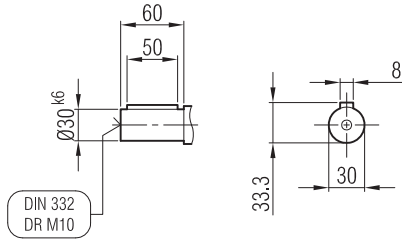
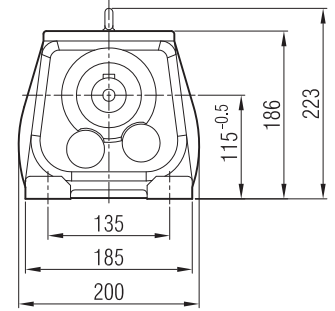
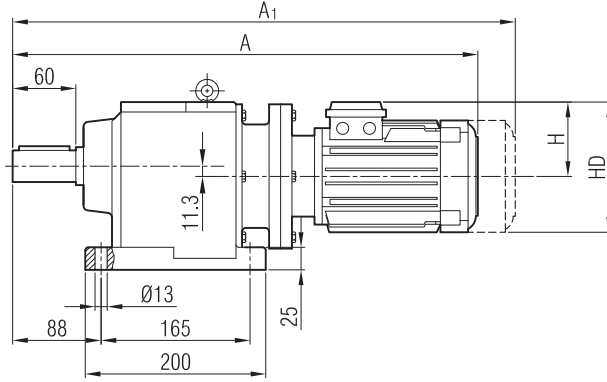
"A<sub>1</sub>" Ölçüsü Frenli Motorlar içindir.  
Dimension "A<sub>1</sub>" is for motors with brake  
Maß "A<sub>1</sub>" ist für Motoren mit Bremse



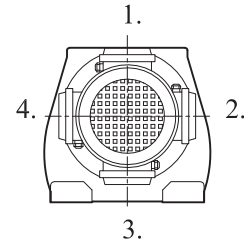


## İRAPM 621

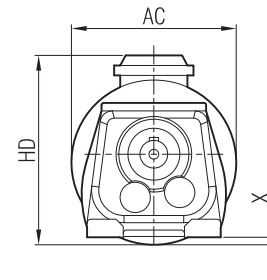
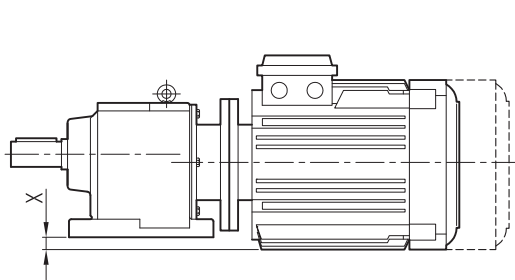
## İRAPM 631



### Klemens Pozisyonları Terminal Box Positions Klemmenkasten Positionen



63-71-80-90-100-112-132 Tip/Type/Typ



	56/B5	63/B5	71/B5	80/B5	90 S/B5	90 L/B5	100/B5	112/ B5	132 S/ B5							
A		473	509	535	549	574	619	640	681							
A <sub>1</sub>		531	582	618	634	659	709	765	823							
H		99	111	118	132	132	141	149	182							
HD		162	182	198	222	222	241	261	314							
AC		123	132	158	193	193	217	232	279							
X		-	-	-	-	-	22	22	47							

"A<sub>1</sub>" Ölçüsü Frenli Motorlar içindir.

Dimension "A<sub>1</sub>" is for motors with brake

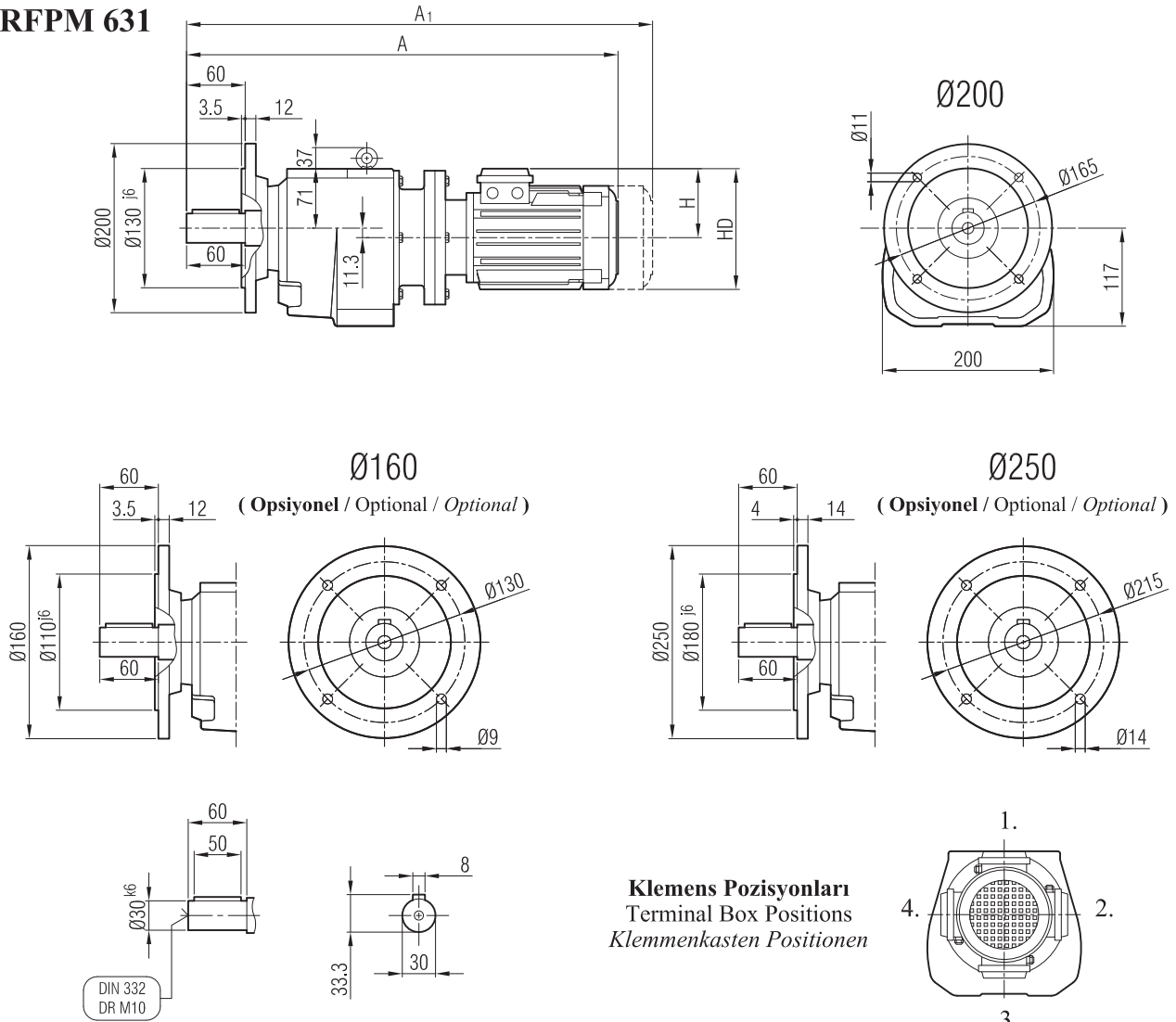
Maß "A<sub>1</sub>" ist für Motoren mit Bremse



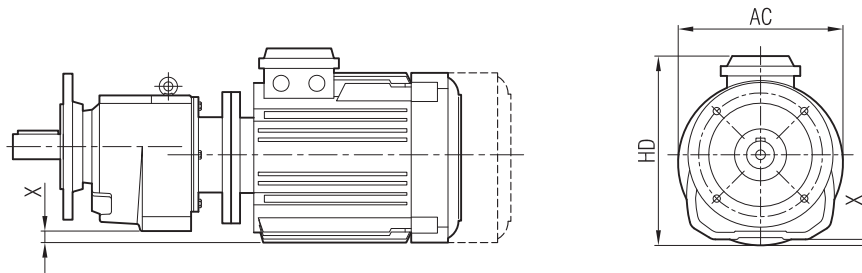


## İRFPM 621

## İRFPM 631



63-71-80-90-100-112-132 Tip/Type/Typ



	56/B5	63/B5	71/B5	80/B5	90 S/B5	90 L/B5	100/B5	112/ B5	132 S/ B5								
A		473	509	535	549	574	619	640	681								
A <sub>1</sub>		531	582	618	634	659	709	765	823								
H		99	111	118	132	132	141	149	182								
HD		162	182	198	222	222	241	261	314								
AC		123	132	158	193	193	217	232	279								
X		-	-	-	-	20	20	45	45								

"A<sub>1</sub>" Ölçüsü Frenli Motorlar içindir.

Dimension "A<sub>1</sub>" is for motors with brake

Maß "A<sub>1</sub>" ist für Motoren mit Bremse

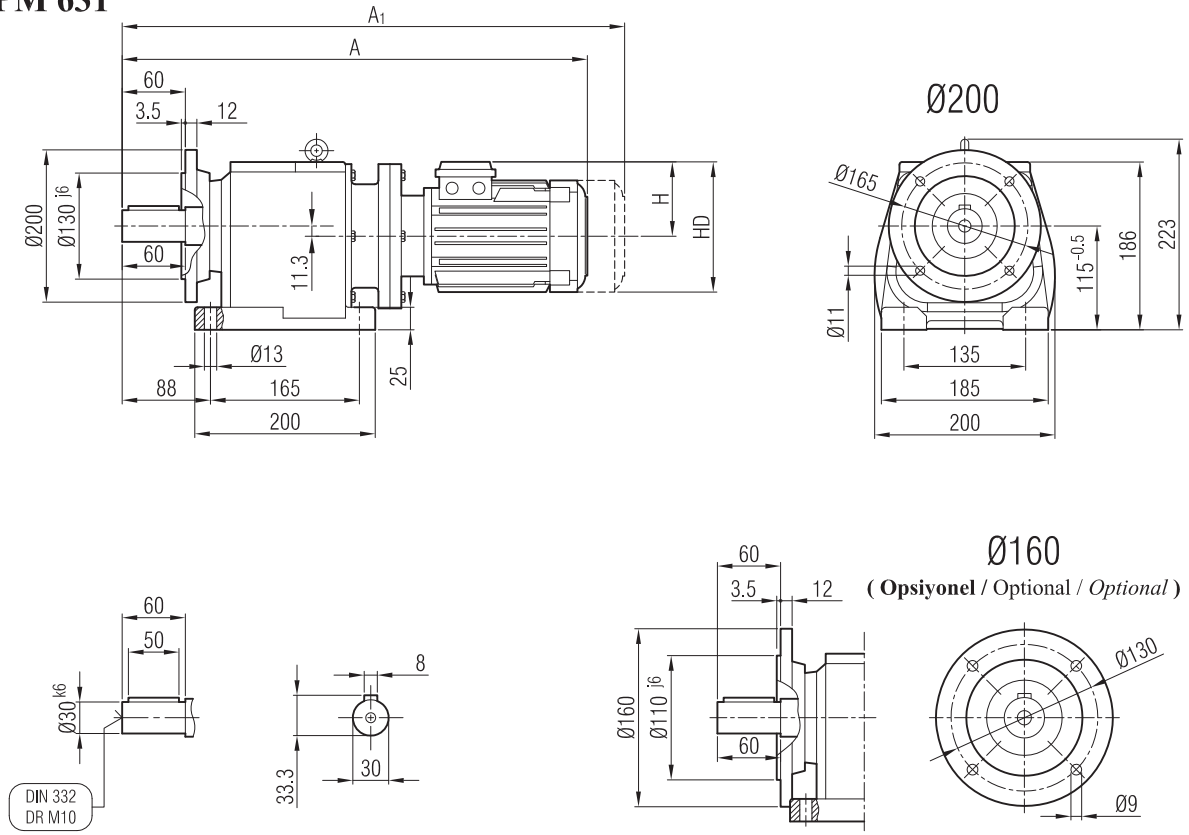




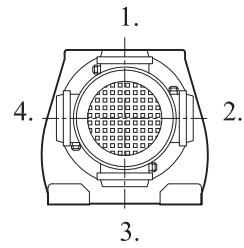


## İRAFPM 621

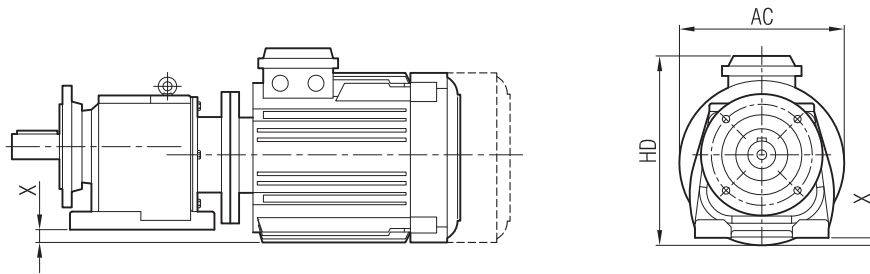
## İRAFPM 631



**Klemens Pozisyonları**  
Terminal Box Positions  
Klemmenkasten Positionen



63-71-80-90-100-112-132 Tip/Type/Typ



	56/B5	63/B5	71/B5	80/B5	90 S/B5	90 L/B5	100/B5	112/ B5	132 S/ B5						
A		473	509	535	549	574	619	640	681						
A <sub>1</sub>		531	582	618	634	659	709	765	823						
H		99	111	118	132	132	141	149	182						
HD		162	182	198	222	222	241	261	314						
AC		123	132	158	193	193	217	232	279						
X		-	-	-	-	-	22	22	47						

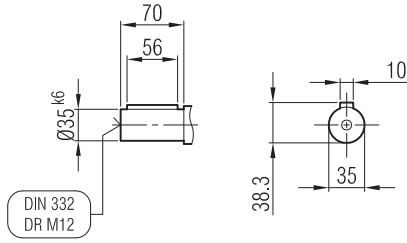
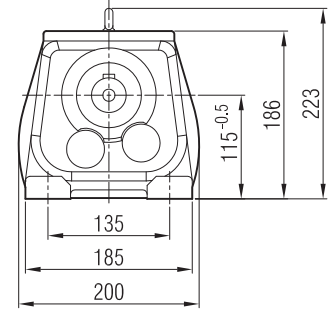
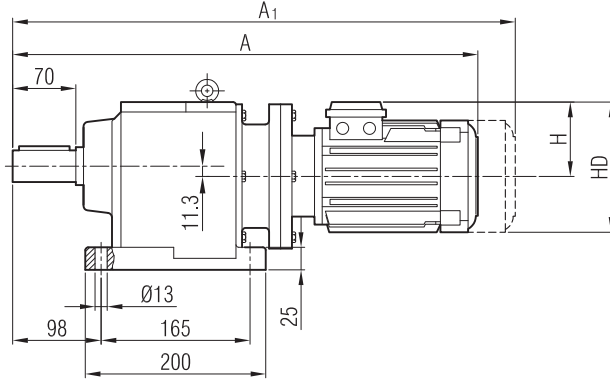
"A<sub>1</sub>" Ölçüsü Frenli Motorlar içindir.  
Dimension "A<sub>1</sub>" is for motors with brake  
Maß "A<sub>1</sub>" ist für Motoren mit Bremse



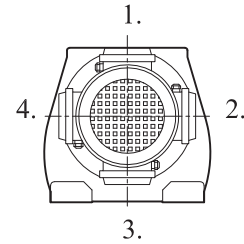


## İRAPM 62

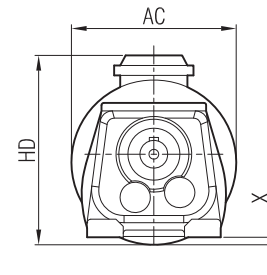
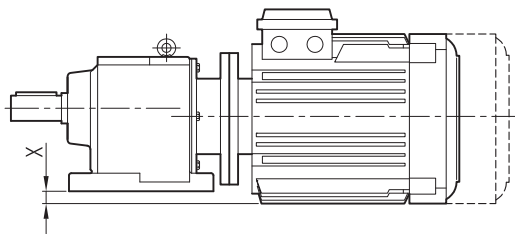
## İRAPM 63



### Klemens Pozisyonları Terminal Box Positions Klemmenkasten Positionen



63-71-80-90-100-112-132 Tip/Type/Typ



	56/B5	63/B5	71/B5	80/B5	90 S/B5	90 L/B5	100/B5	112/ B5	132 S/ B5								
A		483	519	545	559	584	629	650	691								
A <sub>1</sub>		541	592	628	644	669	719	775	833								
H		99	111	118	132	132	141	149	182								
HD		162	182	198	222	222	241	261	314								
AC		123	132	158	193	193	217	232	279								
X		-	-	-	-	22	22	47	47								

"A<sub>1</sub>" Ölçüsü Frenli Motorlar içindir.

Dimension "A<sub>1</sub>" is for motors with brake

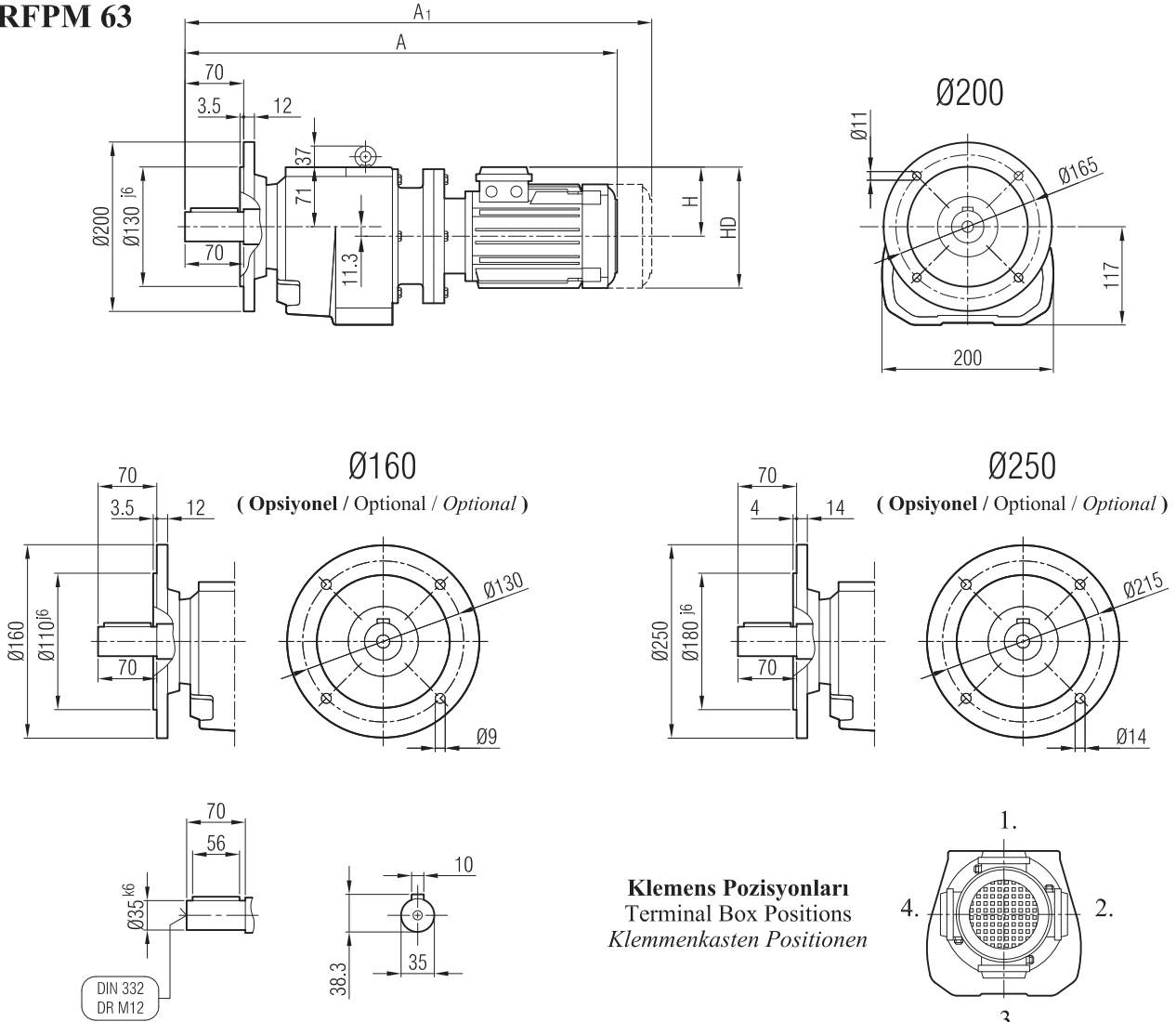
Maß "A<sub>1</sub>" ist für Motoren mit Bremse





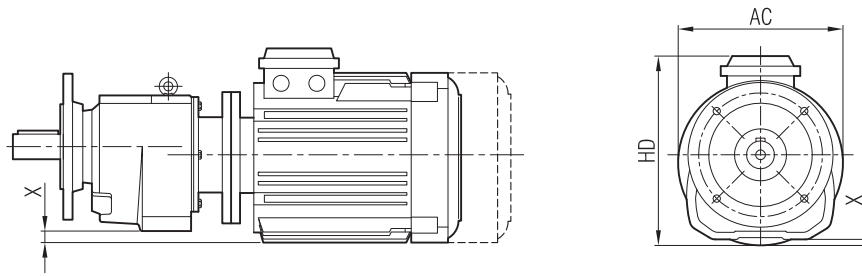
## İRFPM 62

## İRFPM 63



**Klemens Pozisyonları**  
Terminal Box Positions  
Klemmenkasten Positionen

63-71-80-90-100-112-132 Tip/Type/Typ



	56/B5	63/B5	71/B5	80/B5	90 S/B5	90 L/B5	100/B5	112/ B5	132 S/ B5								
A		483	519	545	559	584	629	650	691								
A <sub>1</sub>		541	592	628	644	669	719	775	833								
H		99	111	118	132	132	141	149	182								
HD		162	182	198	222	222	241	261	314								
AC		123	132	158	193	193	217	232	279								
X		-	-	-	-	20	20	45	45								

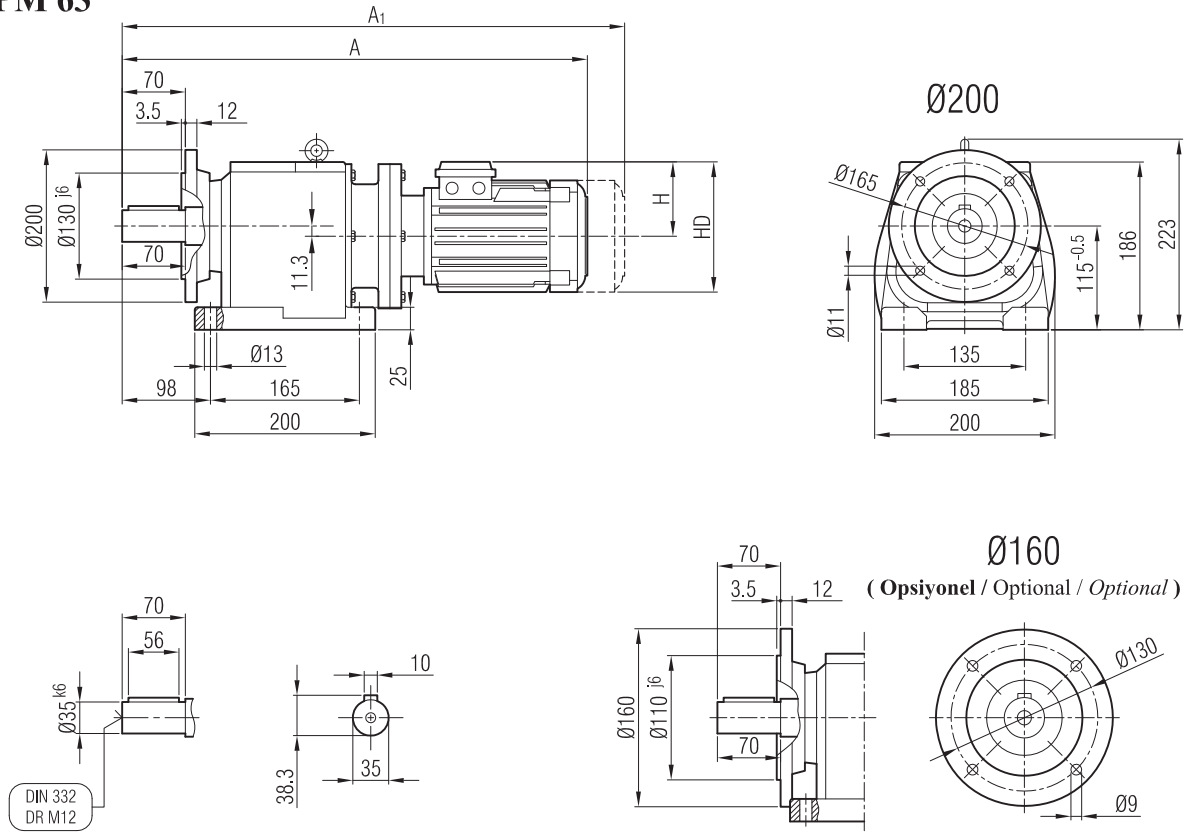
"A<sub>1</sub>" Ölçüsü Frenli Motorlar içindir.  
Dimension "A<sub>1</sub>" is for motors with brake  
Maß "A<sub>1</sub>" ist für Motoren mit Bremse



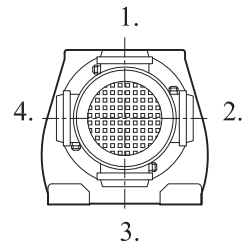


## İRAFPM 62

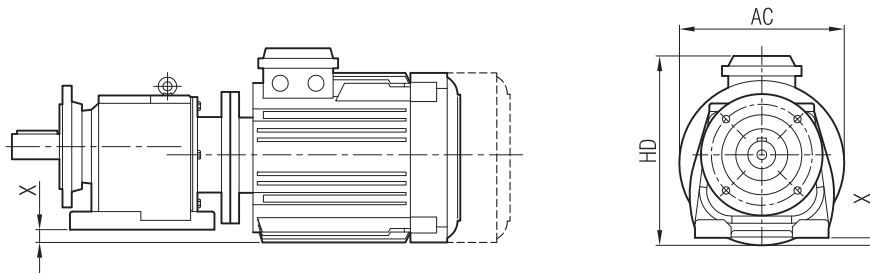
## İRAFPM 63



**Klemens Pozisyonları**  
Terminal Box Positions  
Klemmenkasten Positionen



63-71-80-90-100-112-132 Tip/Type/Typ



	56/B5	63/B5	71/B5	80/B5	90 S/B5	90 L/B5	100/B5	112/ B5	132 S/ B5						
A		483	519	545	559	584	629	650	691						
A <sub>1</sub>		541	592	628	644	669	719	775	833						
H		99	111	118	132	132	141	149	182						
HD		162	182	198	222	222	241	261	314						
AC		123	132	158	193	193	217	232	279						
X		-	-	-	-	22	22	47	47						

"A<sub>1</sub>" Ölçüsü Frenli Motorlar içindir.

Dimension "A<sub>1</sub>" is for motors with brake

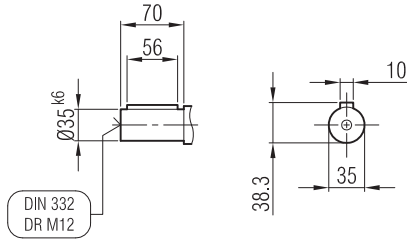
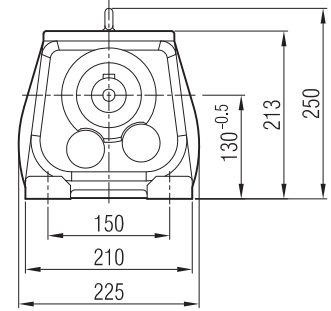
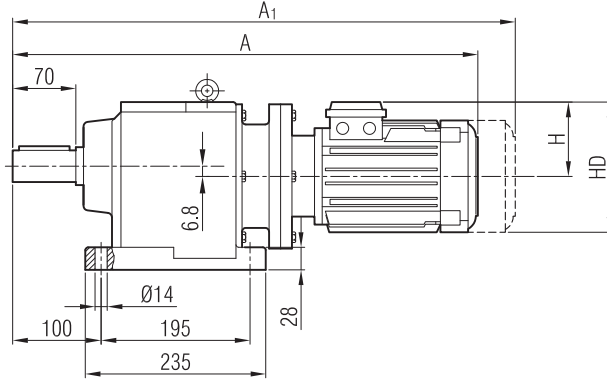
Maß "A<sub>1</sub>" ist für Motoren mit Bremse



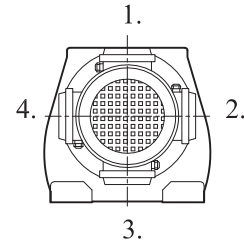


## İRAPM 721

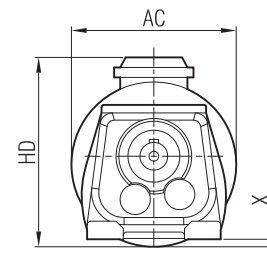
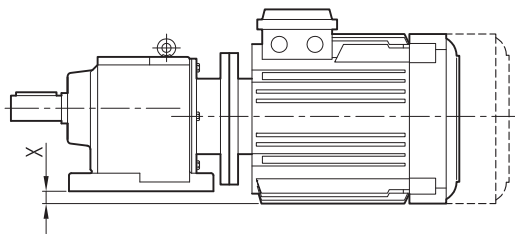
## İRAPM 731



### Klemens Pozisyonları Terminal Box Positions Klemmenkasten Positionen



71-80-90-100-112-132 Tip/Type/Typ



	56/B5	63/B5	71/B5	80/B5	90 S/B5	90 L/B5	100/B5	112/ B5	132 S/B5	132 M/B5						
A			553	586	600	625	662	683	746	792						
A <sub>1</sub>			626	669	685	710	752	808	851	897						
H			111	118	132	132	141	149	182	182						
HD			182	198	222	222	241	261	314	314						
AC			132	158	193	193	217	232	279	279						
X			-	-	-	-	1.8	1.8	26.8	26.8						

"A<sub>1</sub>" Ölçüsü Frenli Motorlar içindir.

Dimension "A<sub>1</sub>" is for motors with brake

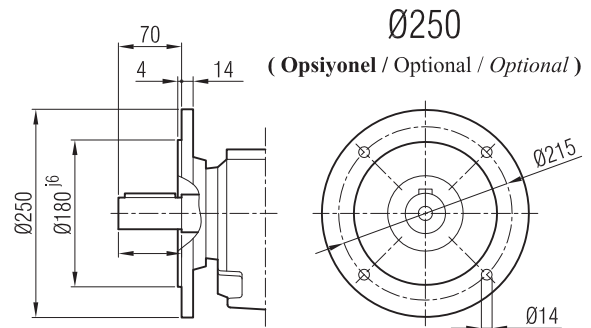
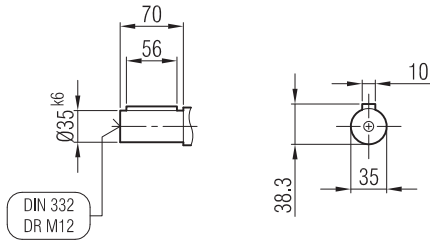
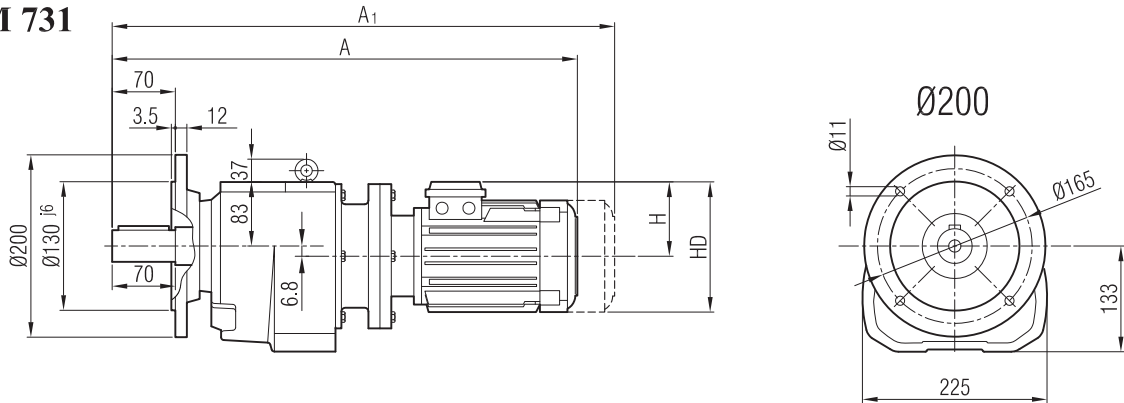
Maß "A<sub>1</sub>" ist für Motoren mit Bremse



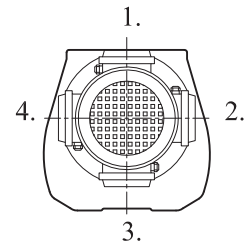


## İRFPM 721

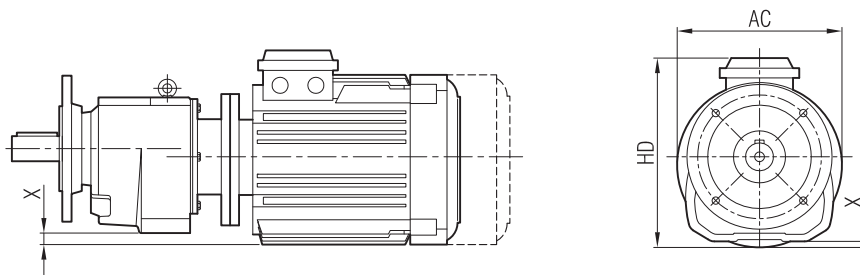
## İRFPM 731



### Klemens Pozisyonları Terminal Box Positions Klemmenkasten Positionen



71-80-90-100-132 Tip/Type/Typ



	56/B5	63/B5	71/B5	80/B5	90 S/B5	90 L/B5	100/B5	112/ B5	132 S/B5	132 M/B5						
A			553	586	600	625	662	683	746	792						
A <sub>1</sub>			626	669	685	710	752	808	851	897						
H			111	118	132	132	141	149	182	182						
HD			182	198	222	222	241	261	314	314						
AC			132	158	193	193	217	232	279	279						
X			-	-	-	-	1.8	1.8	26.8	26.8						

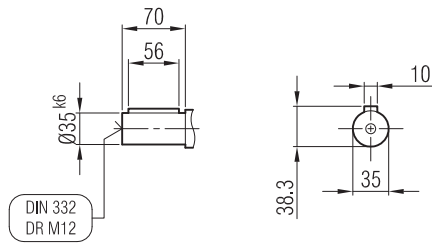
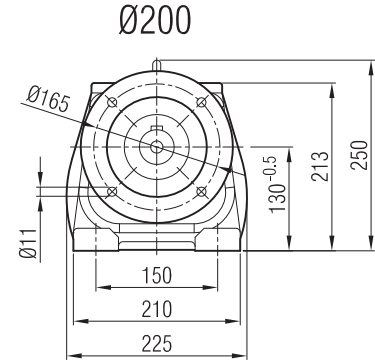
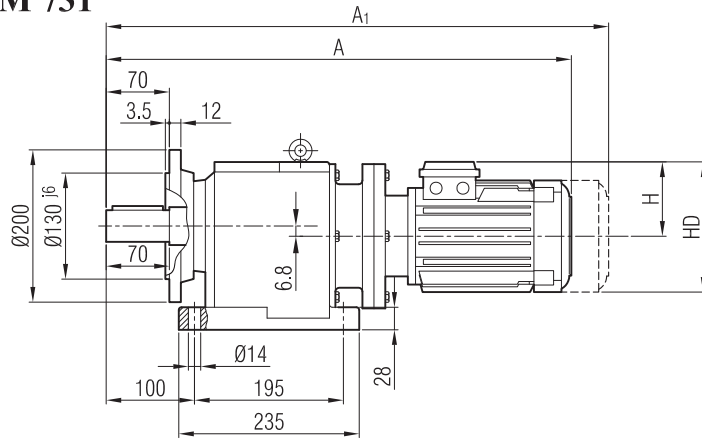
"A<sub>1</sub>" Ölçüsü Frenli Motorlar içindir.  
Dimension "A<sub>1</sub>" is for motors with brake  
Maß "A<sub>1</sub>" ist für Motoren mit Bremse



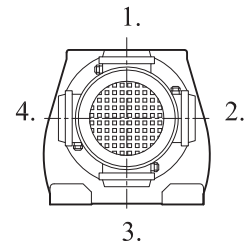


## İRAFPM 721

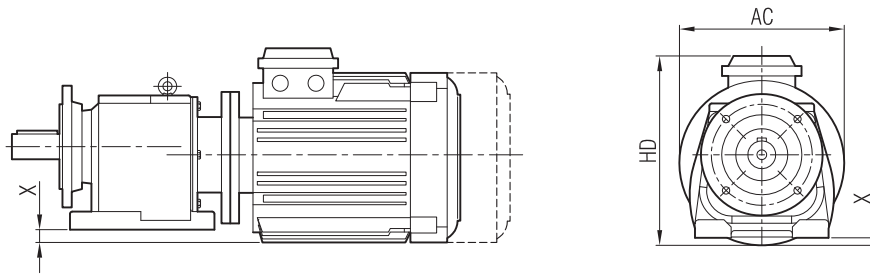
## İRAFPM 731



### Klemens Pozisyonları Terminal Box Positions Klemmenkasten Positionen



71-80-90-100-112-132 Tip/Type/Typ



	56/B5	63/B5	71/B5	80/B5	90 S/B5	90 L/B5	100/B5	112/ B5	132 S/B5	132 M/B5					
A			553	586	600	625	662	683	746	792					
A <sub>1</sub>			626	669	685	710	752	808	851	897					
H			111	118	132	132	141	149	182	182					
HD			182	198	222	222	241	261	314	314					
AC			132	158	193	193	217	232	279	279					
X			-	-	-	-	1.8	1.8	26.8	26.8					

"A<sub>1</sub>" Ölçüsü Frenli Motorlar içindir.

Dimension "A<sub>1</sub>" is for motors with brake

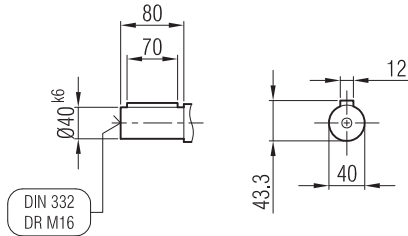
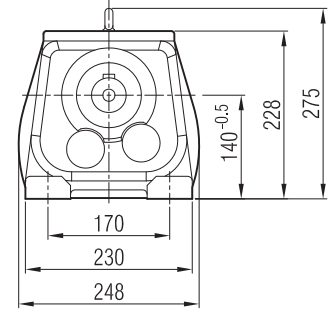
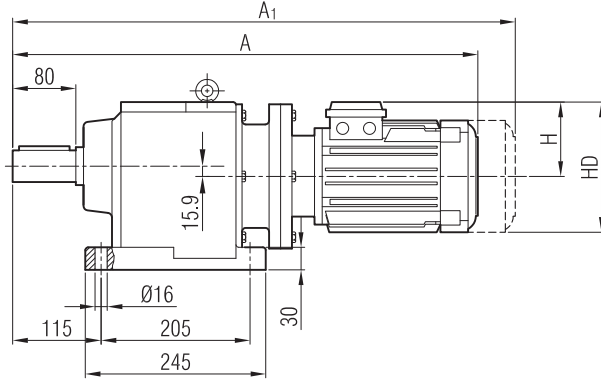
Maß "A<sub>1</sub>" ist für Motoren mit Bremse



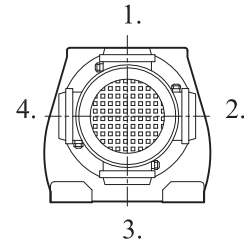


## İRAPM 72

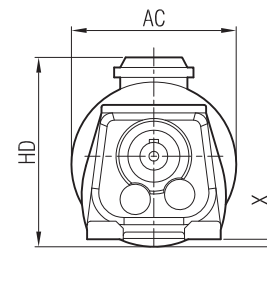
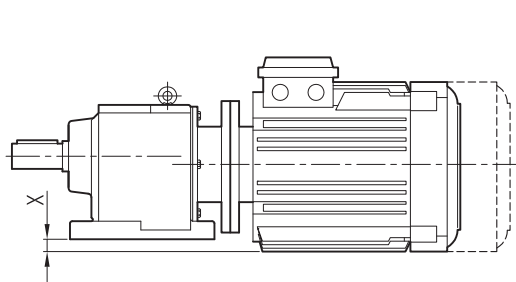
## İRAPM 73



### Klemens Pozisyonları Terminal Box Positions Klemmenkasten Positionen



71-80-90-100-112-132 Tip/Type/Typ



	56/B5	63/B5	71/B5	80/B5	90 S/B5	90 L/B5	100/B5	112/ B5	132 S/B5	132 M/B5						
A			581	614	628	653	690	711	774	820						
A <sub>1</sub>			654	697	713	738	780	836	879	925						
H			111	118	132	132	141	149	182	182						
HD			182	198	222	222	241	261	314	314						
AC			132	158	193	193	217	232	279	279						
X			-	-	-	-	-	1	1	26						

"A<sub>1</sub>" Ölçüsü Frenli Motorlar içindir.

Dimension "A<sub>1</sub>" is for motors with brake

Maß "A<sub>1</sub>" ist für Motoren mit Bremse

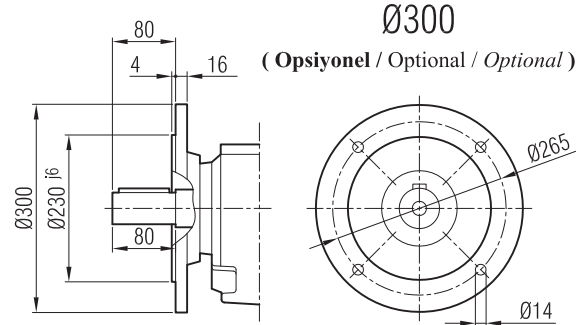
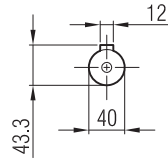
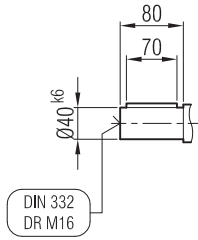
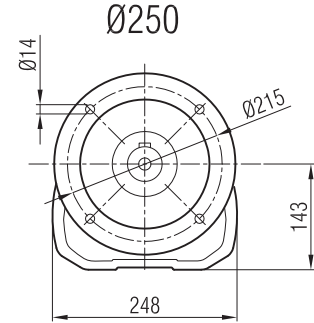
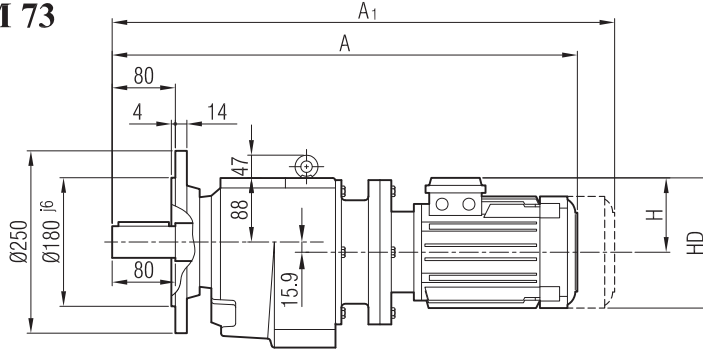




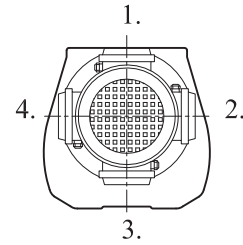


## İRFPM 72

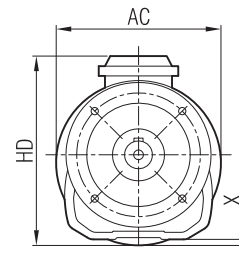
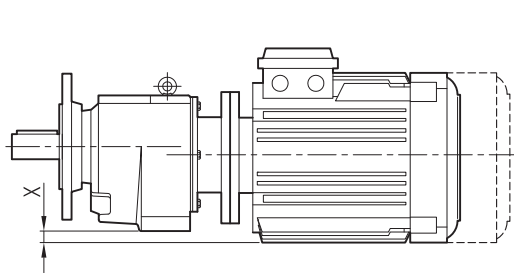
## İRFPM 73



### Klemens Pozisyonları Terminal Box Positions Klemmenkasten Positionen



71-80-90-100-112-132 Tip/Type/Typ



	56/B5	63/B5	71/B5	80/B5	90 S/B5	90 L/B5	100/B5	112/ B5	132 S/B5	132 M/B5						
A			581	614	628	653	690	711	774	820						
A <sub>1</sub>			654	697	713	738	780	836	879	925						
H			111	118	132	132	141	149	182	182						
HD			182	198	222	222	241	261	314	314						
AC			132	158	193	193	217	232	279	279						
X			-	-	-	-	-	-	-	23						

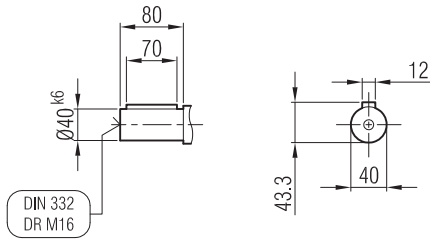
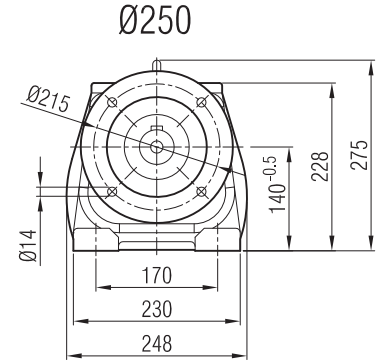
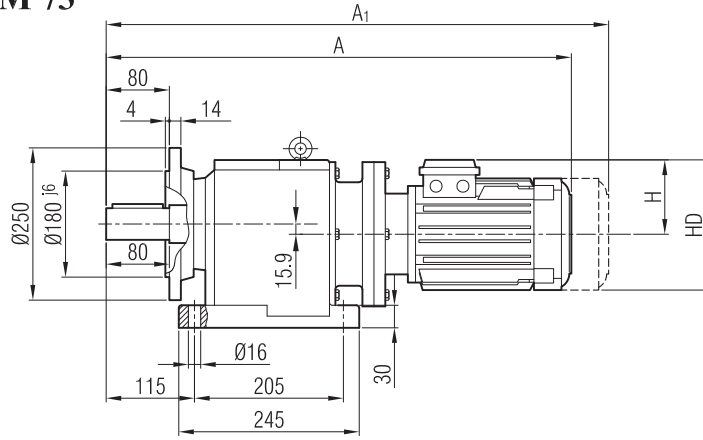
"A<sub>1</sub>" Ölçüsü Frenli Motorlar içindir.  
Dimension "A<sub>1</sub>" is for motors with brake  
Maß "A<sub>1</sub>" ist für Motoren mit Bremse



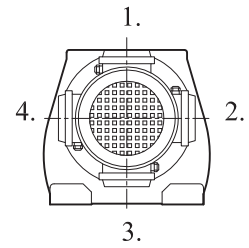


## İRAFPM 72

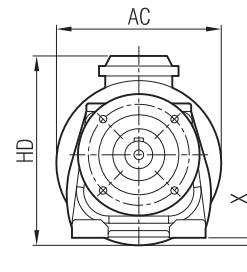
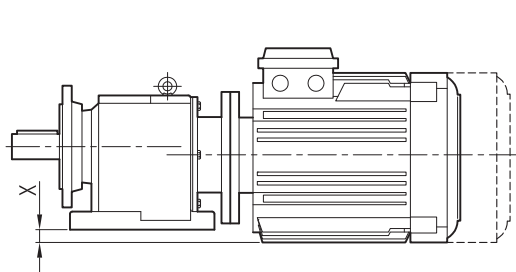
## İRAFPM 73



### Klemens Pozisyonları Terminal Box Positions Klemmenkasten Positionen



71-80-90-100-112-132 Tip/Type/Typ



	56/B5	63/B5	71/B5	80/B5	90 S/B5	90 L/B5	100/B5	112/ B5	132 S/B5	132 M/B5					
A			581	614	628	653	690	711	774	820					
A <sub>1</sub>			654	697	713	738	780	836	879	925					
H			111	118	132	132	141	149	182	182					
HD			182	198	222	222	241	261	314	314					
AC			132	158	193	193	217	232	279	279					
X			-	-	-	-	-	1	1	26					

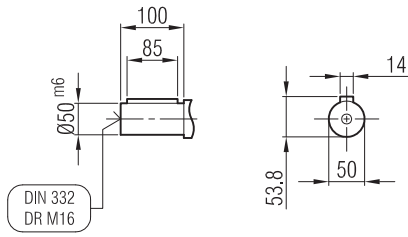
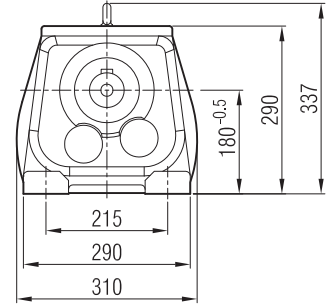
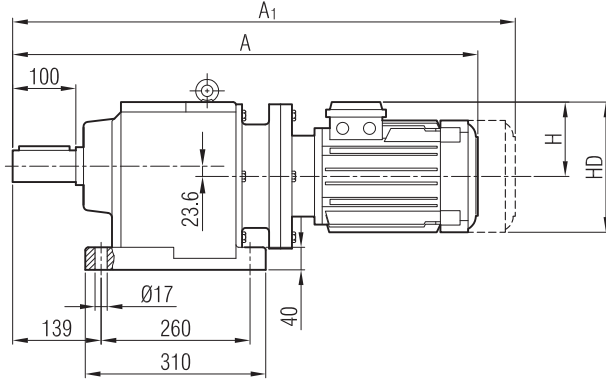
"A<sub>1</sub>" Ölçüsü Frenli Motorlar içindir.  
Dimension "A<sub>1</sub>" is for motors with brake  
Maß "A<sub>1</sub>" ist für Motoren mit Bremse



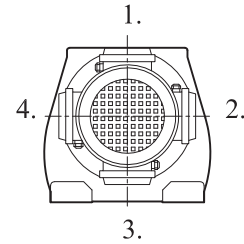


## İRAPM 82

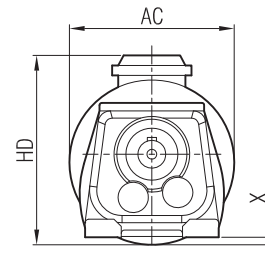
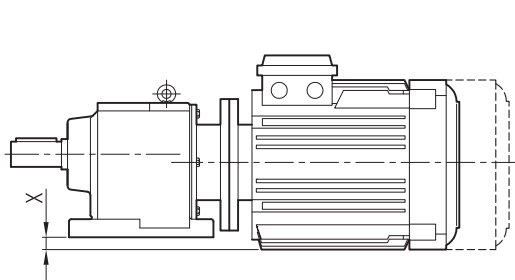
## İRAPM 83



### Klemens Pozisyonları Terminal Box Positions Klemmenkasten Positionen



80-90-100-112-132-160-180 **Tip/Type/Typ**



	56/B5	63/B5	71/B5	80/B5	90 S/B5	90 L/B5	100/B5	112/ B5	132 S/B5	132 M/B5	160 M/B5	160 L/B5	180 M/B5	180 L/B5			
A				693	707	732	771	792	852	898	984	1028	1042	1080			
A <sub>1</sub>				776	792	817	861	917	957	1003	1104	1148	1162	1200			
H				118	132	132	141	149	182	182	225	225	248	248			
HD				198	222	222	241	261	314	314	385	385	428	428			
AC				158	193	193	217	232	279	279	325	325	370	370			
X				-	-	-	-	-	-	-	16	16	16	16			

"A<sub>1</sub>" Ölçüsü Frenli Motorlar içindir.

Dimension "A<sub>1</sub>" is for motors with brake

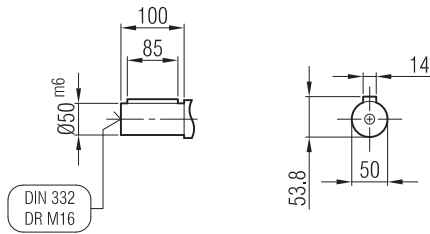
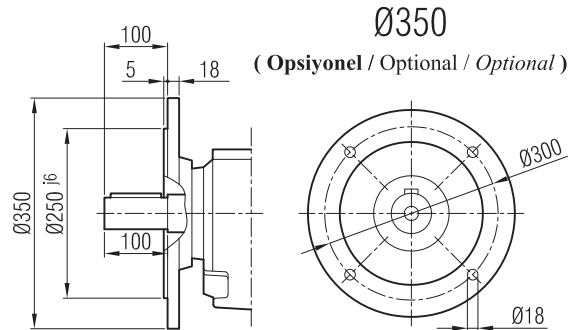
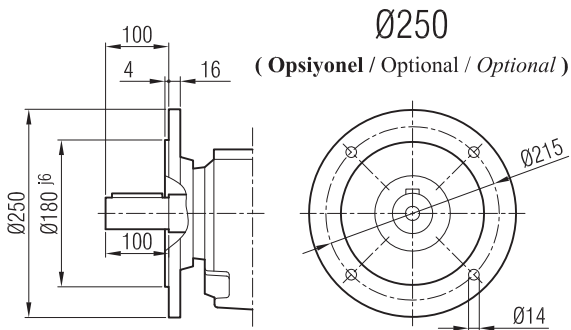
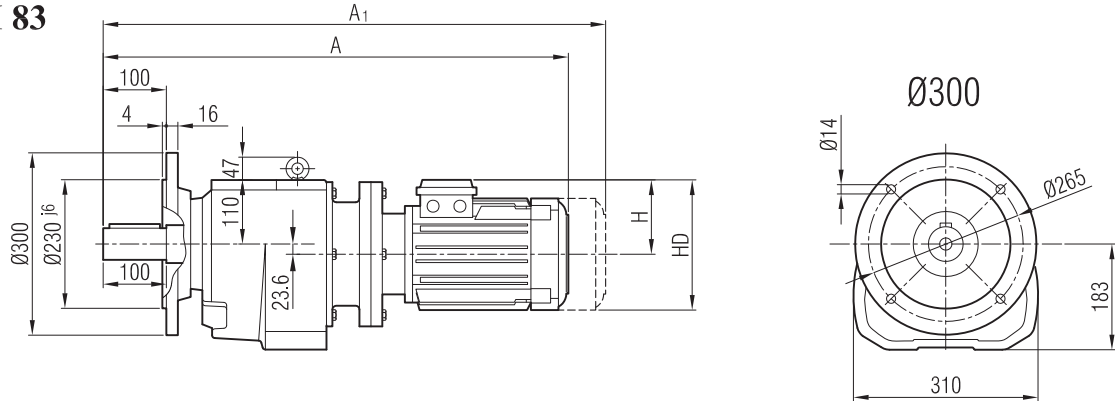
Maß "A<sub>1</sub>" ist für Motoren mit Bremse



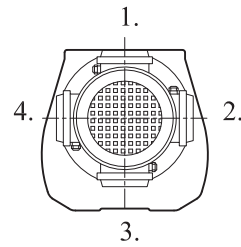


## İRFPM 82

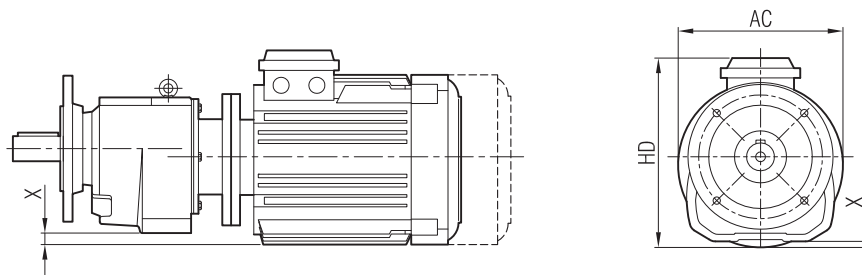
## İRFPM 83



**Klemens Pozisyonları**  
Terminal Box Positions  
Klemmenkasten Positionen



80-90-100-112-132-160-180 Tip/Type/Typ



	56/B5	63/B5	71/B5	80/B5	90 S/B5	90 L/B5	100/B5	112/ B5	132 S/B5	132 M/B5	160 M/B5	160 L/B5	180 M/B5	180 L/B5			
A				693	707	732	771	792	852	898	984	1028	1042	1080			
A <sub>1</sub>				776	792	817	861	917	957	1003	1104	1148	1162	1200			
H				118	132	132	141	149	182	182	225	225	248	248			
HD				198	222	222	241	261	314	314	385	385	428	428			
AC				158	193	193	217	232	279	279	325	325	370	370			
X				-	-	-	-	-	-	-	4	4	24	24			

"A<sub>1</sub>" Ölçüsü Frenli Motorlar içindir.

Dimension "A<sub>1</sub>" is for motors with brake

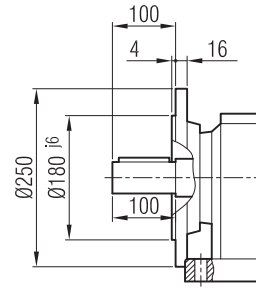
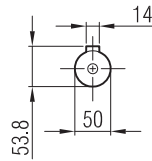
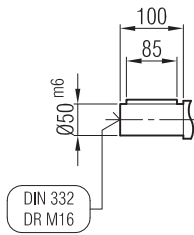
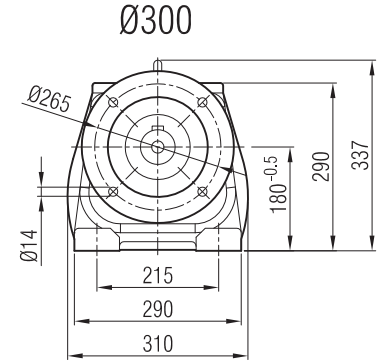
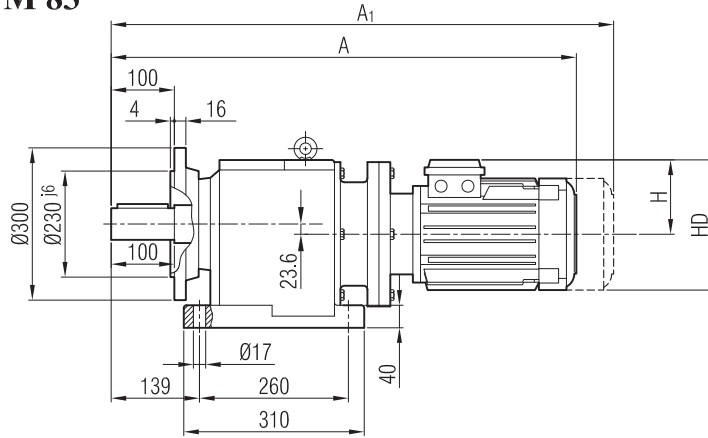
Maß "A<sub>1</sub>" ist für Motoren mit Bremse



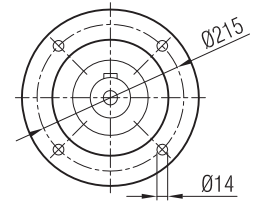


## İRAFPM 82

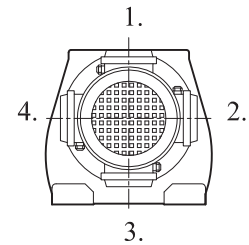
## İRAFPM 83



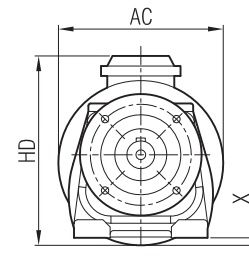
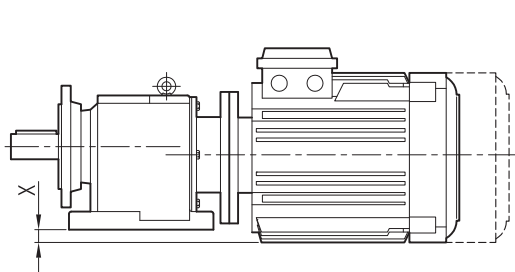
Ø250  
( Opsiyonel / Optional / Optional )



**Klemens Pozisyonları**  
Terminal Box Positions  
Klemmenkasten Positionen



80-90-100-112-132-160-180 Tip/Type/Typ



	56/B5	63/B5	71/B5	80/B5	90 S/B5	90 L/B5	100/B5	112/ B5	132 S/B5	132 M/B5	160 M/B5	160 L/B5	180 M/B5	180 L/B5			
A				693	707	732	771	792	852	898	984	1028	1042	1080			
A <sub>1</sub>				776	792	817	861	917	957	1003	1104	1148	1162	1200			
H				118	132	132	141	149	182	182	225	225	248	248			
HD				198	222	222	241	261	314	314	385	385	428	428			
AC				158	193	193	217	232	279	279	325	325	370	370			
X				-	-	-	-	-	-	-	4	4	24	24			

"A<sub>1</sub>" Ölçüsü Frenli Motorlar içindir.

Dimension "A<sub>1</sub>" is for motors with brake

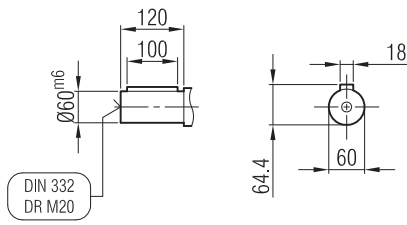
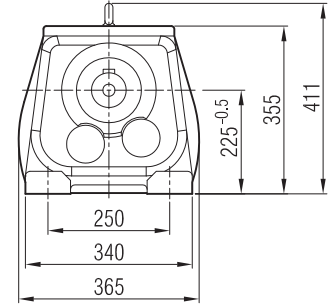
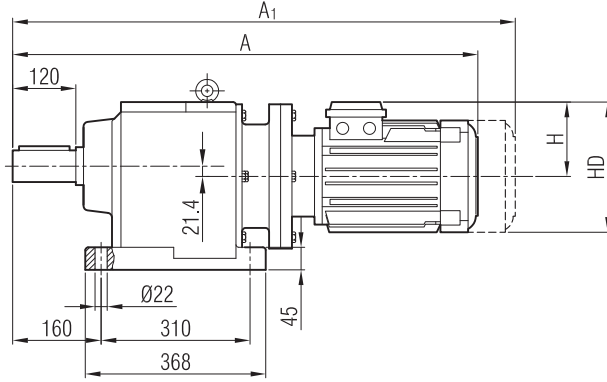
Maß "A<sub>1</sub>" ist für Motoren mit Bremse





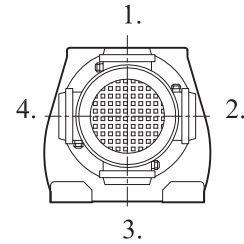
## İRAPM 92

## İRAPM 93

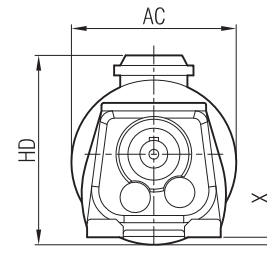
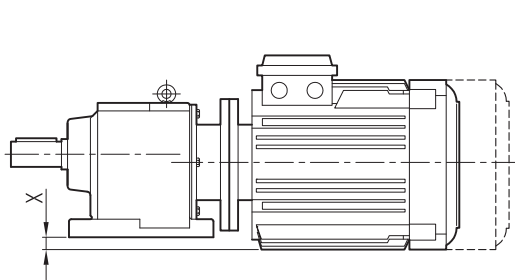


DIN 332  
DR M20

### Klemens Pozisyonları Terminal Box Positions Klemmenkasten Positionen



80-90-100-112-132-160-180-200 Tip/Type/Typ



	56/B5	63/B5	71/B5	80/B5	90 S/B5	90 L/B5	100/B5	112/ B5	132 S/B5	132 M/B5	160 M/B5	160 L/B5	180 M/B5	180 L/B5	200/B5		
A				745	759	784	825	846	922	968	1054	1098	1112	1150	1248		
A <sub>1</sub>				828	844	869	915	971	1027	1073	1174	1218	1232	1270	-		
H				118	132	132	141	149	182	182	225	225	248	248	275		
HD				198	222	222	241	261	314	314	385	385	428	428	425		
AC				158	193	193	217	232	279	279	325	325	370	370	415		
X				-	-	-	-	-	-	-	-	-	-	-	-		

"A<sub>1</sub>" Ölçüsü Frenli Motorlar içindir.

Dimension "A<sub>1</sub>" is for motors with brake

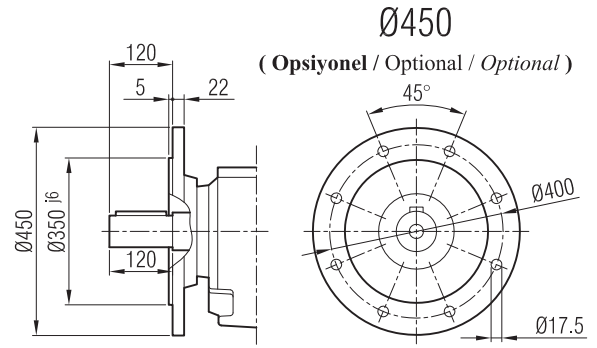
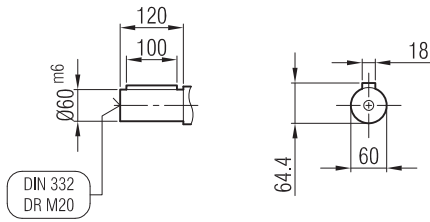
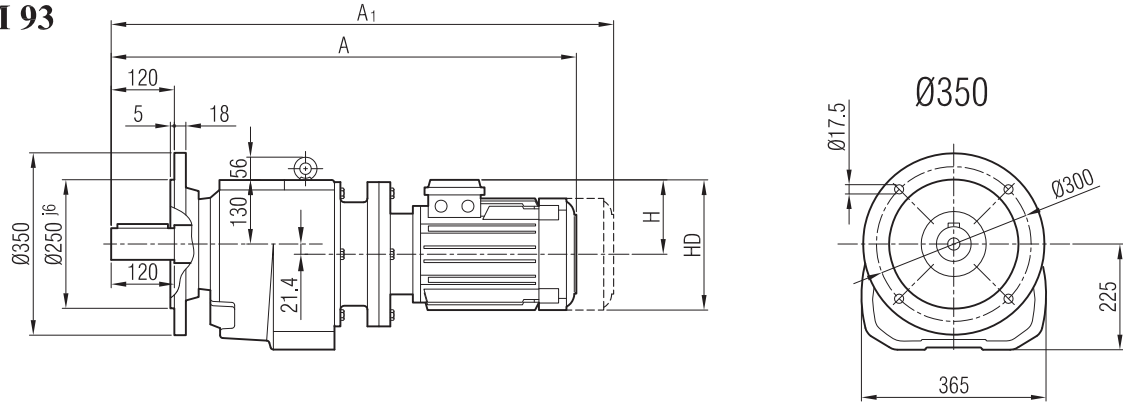
Maß "A<sub>1</sub>" ist für Motoren mit Bremse



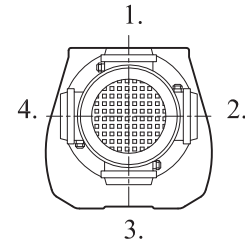


## İRFPM 92

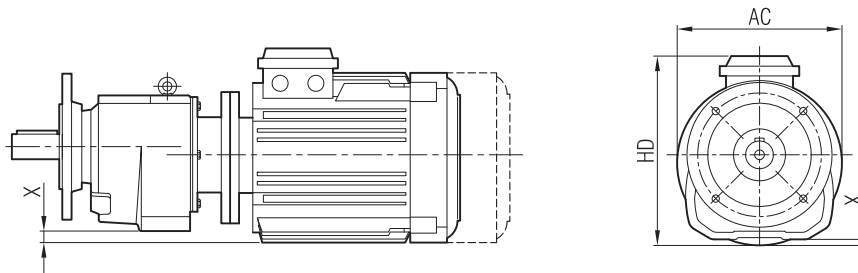
## İRFPM 93



**Klemens Pozisyonları**  
Terminal Box Positions  
Klemmenkasten Positionen



80-90-100-112-132-160-180-200 Tip/Type/Typ



	56/B5	63/B5	71/B5	80/B5	90 S/B5	90 L/B5	100/B5	112/ B5	132 S/B5	132 M/B5	160 M/B5	160 L/B5	180 M/B5	180 L/B5	200/B5		
A				745	759	784	825	846	922	968	1054	1098	1112	1150	1248		
A <sub>1</sub>				828	844	869	915	971	1027	1073	1174	1218	1232	1270	-		
H				118	132	132	141	149	182	182	225	225	248	248	275		
HD				198	222	222	241	261	314	314	385	385	428	428	425		
AC				158	193	193	217	232	279	279	325	325	370	370	415		
X				-	-	-	-	-	-	-	-	-	-	-	-		

"A<sub>1</sub>" Ölçüsü Frenli Motorlar içindir.

Dimension "A<sub>1</sub>" is for motors with brake

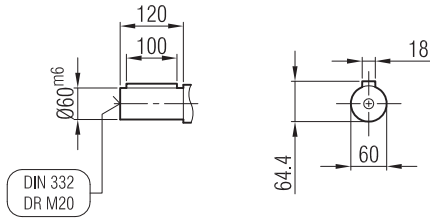
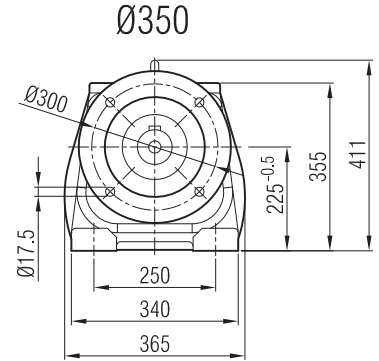
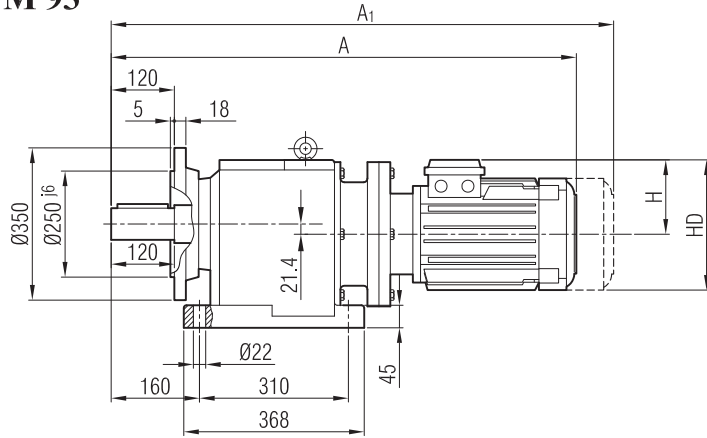
Maß "A<sub>1</sub>" ist für Motoren mit Bremse



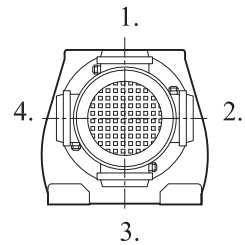


**İRAFPM 92**

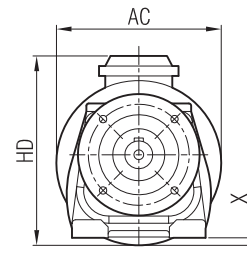
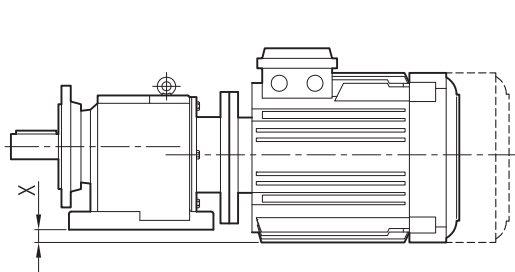
**İRAFPM 93**



**Klemens Pozisyonları**  
Terminal Box Positions  
Klemmenkasten Positionen



80-90-100-112-132-160-180-200 **Tip/Type/Typ**



	56/B5	63/B5	71/B5	80/B5	90 S/B5	90 L/B5	100/B5	112/ B5	132 S/B5	132 M/B5	160 M/B5	160 L/B5	180 M/B5	180 L/B5	200/B5		
A				745	759	784	825	846	922	968	1054	1098	1112	1150	1248		
A <sub>1</sub>				828	844	869	915	971	1027	1073	1174	1218	1232	1270	-		
H				118	132	132	141	149	182	182	225	225	248	248	275		
HD				198	222	222	241	261	314	314	385	385	428	428	425		
AC				158	193	193	217	232	279	279	325	325	370	370	415		
X				-	-	-	-	-	-	-	-	-	-	-	-		

"A<sub>1</sub>" Ölçüsü Frenli Motorlar içindir.

Dimension "A<sub>1</sub>" is for motors with brake

Maß "A<sub>1</sub>" ist für Motoren mit Bremse

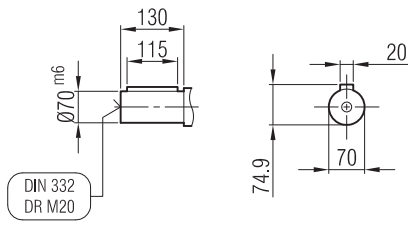
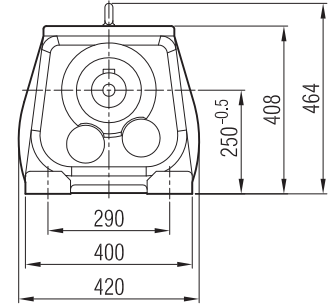
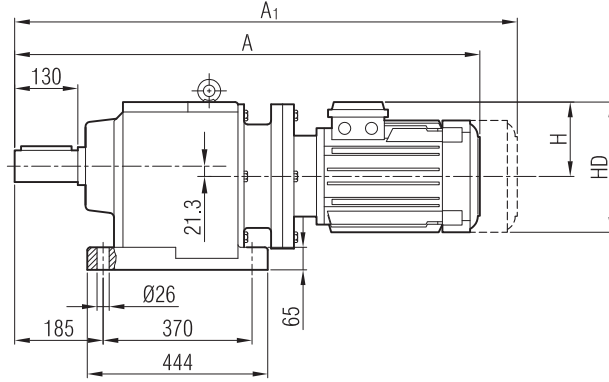




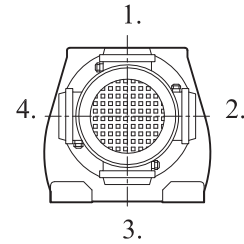


## İRAPM 102

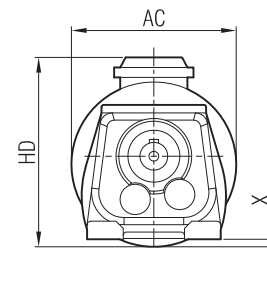
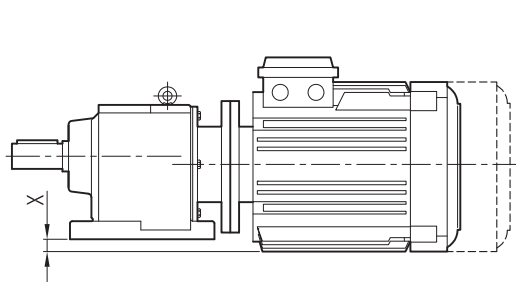
## İRAPM 103



### Klemens Pozisyonları Terminal Box Positions Klemmenkasten Positionen



100-112-132-160-180-200-225 Tip/Type/Typ



	56/B5	63/B5	71/B5	80/B5	90 S/B5	90 L/B5	100/B5	112/ B5	132 S/B5	132 M/B5	160 M/B5	160 L/B5	180 M/B5	180 L/B5	200/B5	225 S/B5	225 M/B5
A							902	923	989	1035	1112	1156	1170	1208	1326	1351	1376
A <sub>1</sub>							992	1048	1094	1140	1232	1276	1290	1328	-	-	-
H							141	149	182	182	225	225	248	248	275	285	285
HD							241	261	314	314	385	385	428	428	425	510	510
AC							217	232	279	279	325	325	370	370	415	456	456
X							-	-	-	-	-	-	-	-	-	-	-

"A<sub>1</sub>" Ölçüsü Frenli Motorlar içindir.

Dimension "A<sub>1</sub>" is for motors with brake

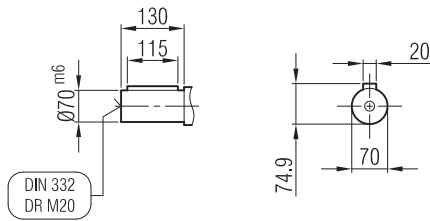
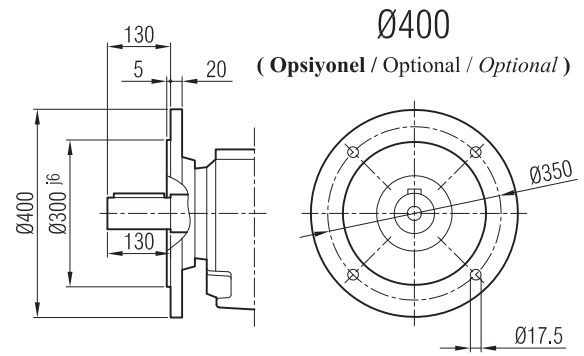
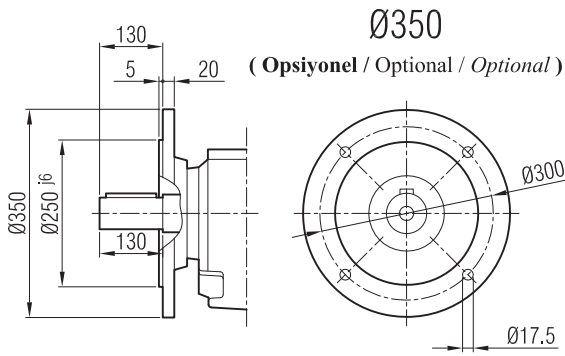
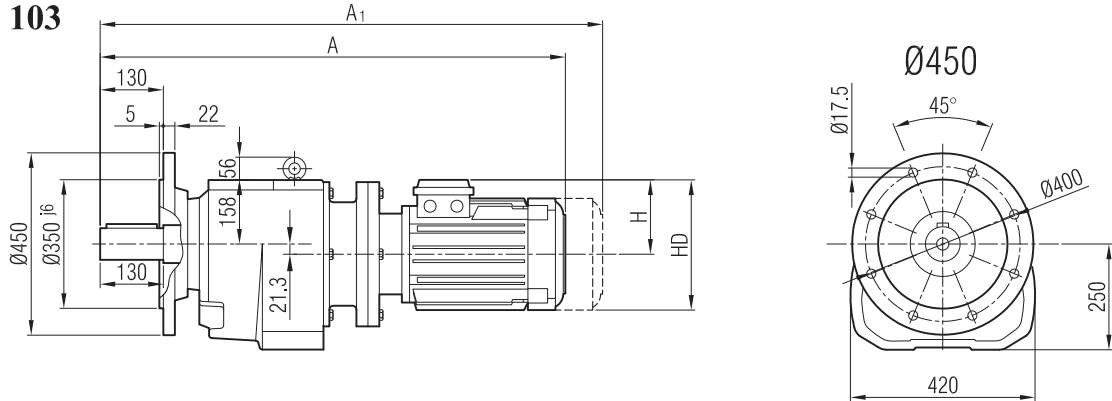
Maß "A<sub>1</sub>" ist für Motoren mit Bremse



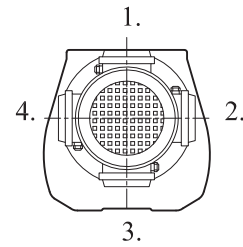


## İRFPM 102

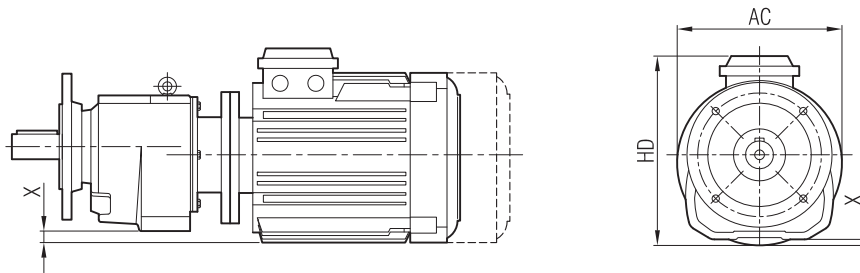
## İRFPM 103



**Klemens Pozisyonları**  
Terminal Box Positions  
Klemmenkasten Positionen



100-112-132-160-180-200-225 Tip/Type/Typ



	56/B5	63/B5	71/B5	80/B5	90 S/B5	90 L/B5	100/B5	112/ B5	132 S/B5	132 M/B5	160 M/B5	160 L/B5	180 M/B5	180 L/B5	200/B5	225 S/B5	225 M/B5
A							902	923	989	1035	1112	1156	1170	1208	1326	1351	1376
A <sub>1</sub>							992	1048	1094	1140	1232	1276	1290	1328	-	-	-
H							141	149	182	182	225	225	248	248	275	285	285
HD							241	261	314	314	385	385	428	428	425	510	510
AC							217	232	279	279	325	325	370	370	415	456	456
X							-	-	-	-	-	-	-	-	-	-	-

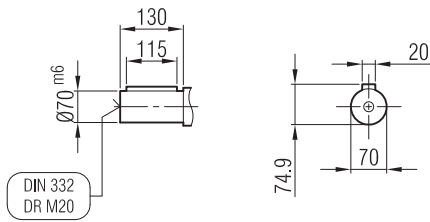
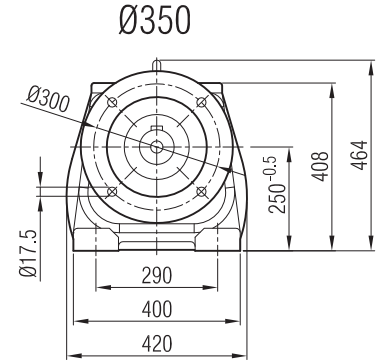
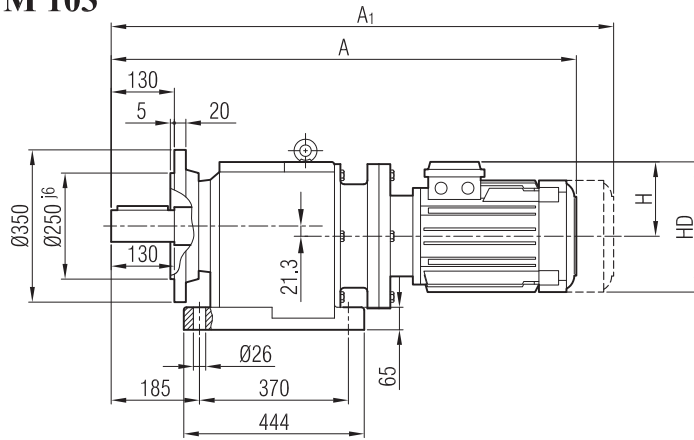
"A<sub>1</sub>" Ölçüsü Frenli Motorlar içindir.  
Dimension "A<sub>1</sub>" is for motors with brake  
Maß "A<sub>1</sub>" ist für Motoren mit Bremse



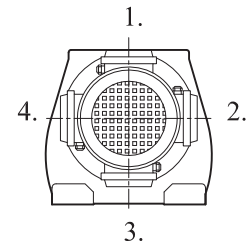


**İRAFPM 102**

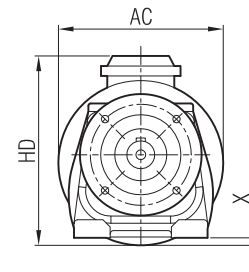
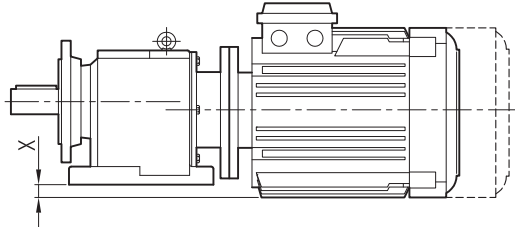
**İRAFPM 103**



**Klemens Pozisyonları**  
Terminal Box Positions  
Klemmenkasten Positionen



100-112-132-160-180-200-225 **Tip/Type/Typ**



	56/B5	63/B5	71/B5	80/B5	90 S/B5	90 L/B5	100/B5	112/ B5	132 S/B5	132 M/B5	160 M/B5	160 L/B5	180 M/B5	180 L/B5	200/B5	225 S/B5	225 M/B5
A							902	923	989	1035	1112	1156	1170	1208	1326	1351	1376
A <sub>1</sub>							992	1048	1094	1140	1232	1276	1290	1328	-	-	-
H							141	149	182	182	225	225	248	248	275	285	285
HD							241	261	314	314	385	385	428	428	425	510	510
AC							217	232	279	279	325	325	370	370	415	456	456
X							-	-	-	-	-	-	-	-	-	-	-

"A<sub>1</sub>" Ölçüsü Frenli Motorlar içindir.

Dimension "A<sub>1</sub>" is for motors with brake

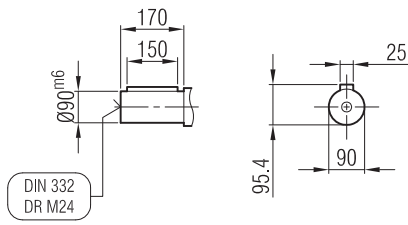
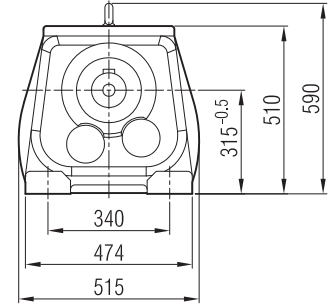
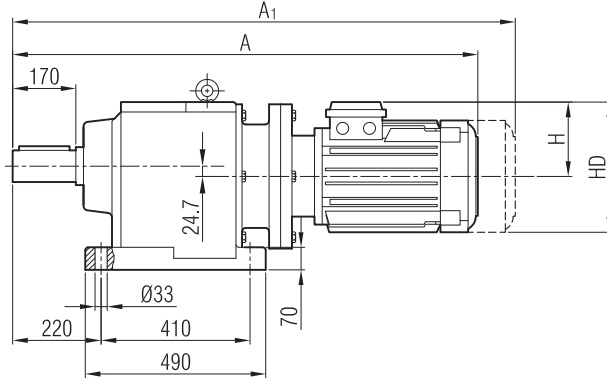
Maß "A<sub>1</sub>" ist für Motoren mit Bremse



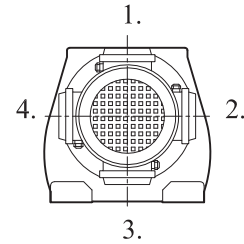


## İRAPM 122

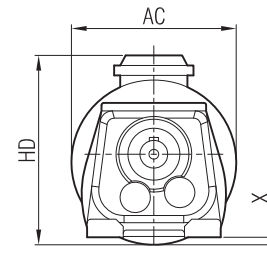
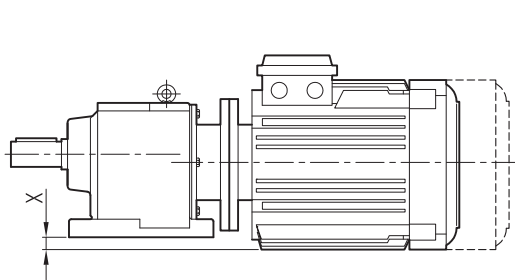
## İRAPM 123



### Klemens Pozisyonları Terminal Box Positions Klemmenkasten Positionen



100-112-132-160-180-200-225-250 **Tip/Type/Typ**



	63/B5	71/B5	80/B5	90 S/B5	90 L/B5	100/B5	112/ B5	132 S/B5	132 M/B5	160 M/B5	160 L/B5	180 M/B5	180 L/B5	200/B5	225 S/B5	225 M/B5	250/B5
A								1038	1084	1184	1228	1242	1280	1398	1423	1448	1526
A <sub>1</sub>								1180	1226	1374	1418	1437	1475	-	-	-	-
H								182	182	225	225	248	248	275	285	285	322
HD								314	314	385	385	428	428	425	510	510	572
AC								279	279	325	325	370	370	415	456	456	480
X								-	-	-	-	-	-	-	-	-	-

"A<sub>1</sub>" Ölçüsü Frenli Motorlar içindir.

Dimension "A<sub>1</sub>" is for motors with brake

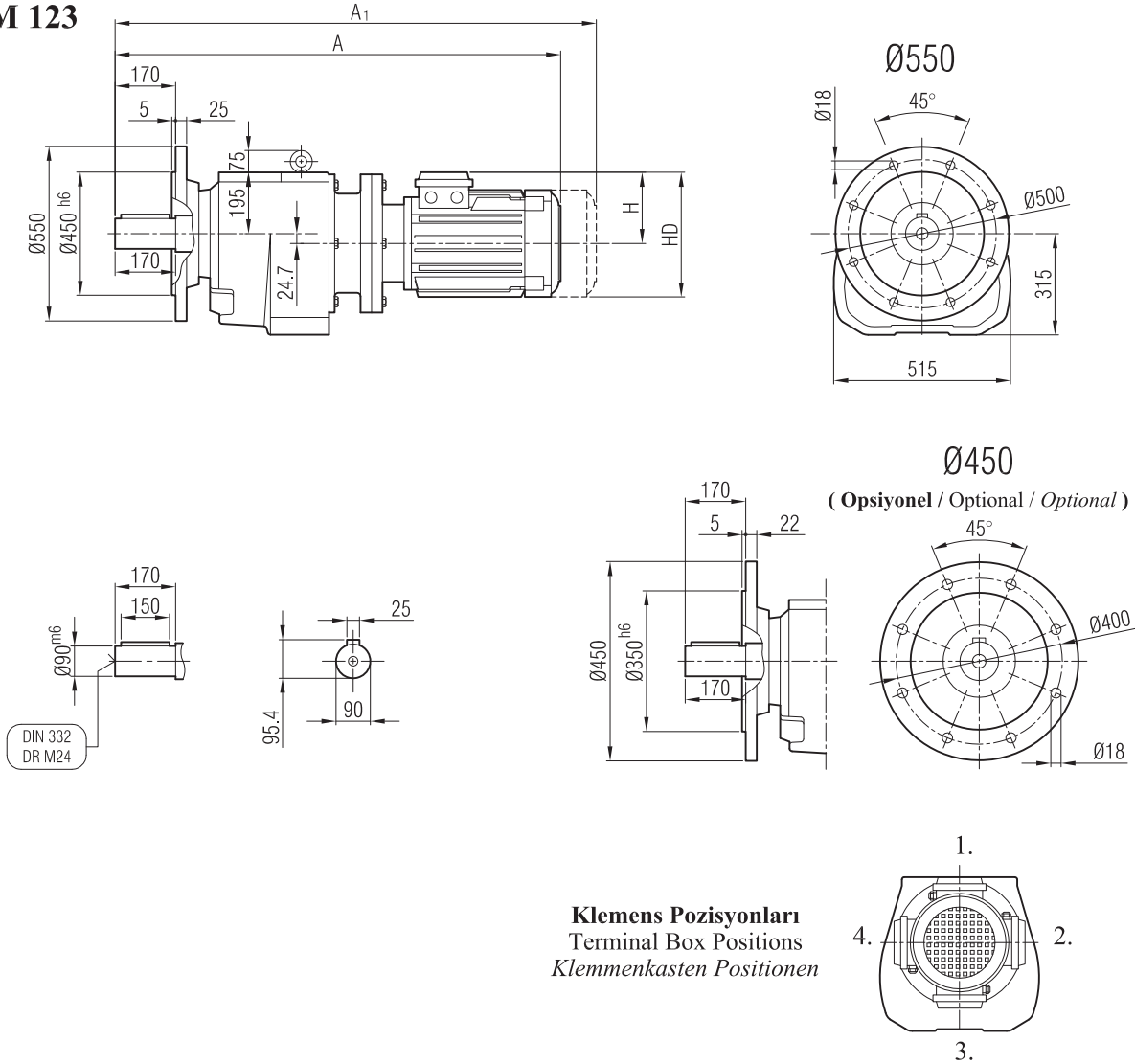
Maß "A<sub>1</sub>" ist für Motoren mit Bremse



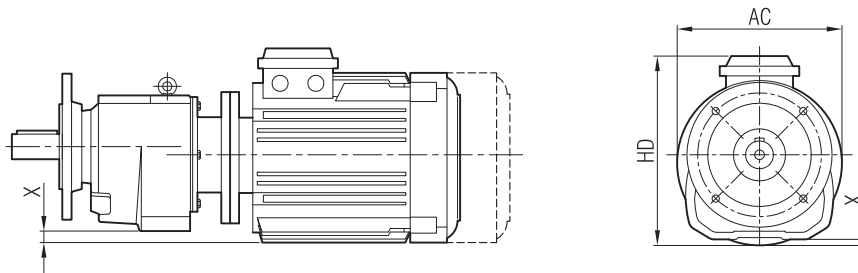


## İRFPM 122

## İRFPM 123



100-112-132-160-180-200-225-250 Tip/Type/Typ



	63/B5	71/B5	80/B5	90 S/B5	90 L/B5	100/B5	112/ B5	132 S/B5	132 M/B5	160 M/B5	160 L/B5	180 M/B5	180 L/B5	200/B5	225 S/B5	225 M/B5	250/B5
A								1038	1084	1184	1228	1242	1280	1398	1423	1448	1526
A <sub>1</sub>								1180	1226	1374	1418	1437	1475	-	-	-	-
H								182	182	225	225	248	248	275	285	285	322
HD								314	314	385	385	428	428	425	510	510	572
AC								279	279	325	325	370	370	415	456	456	480
X								-	-	-	-	-	-	-	-	-	-

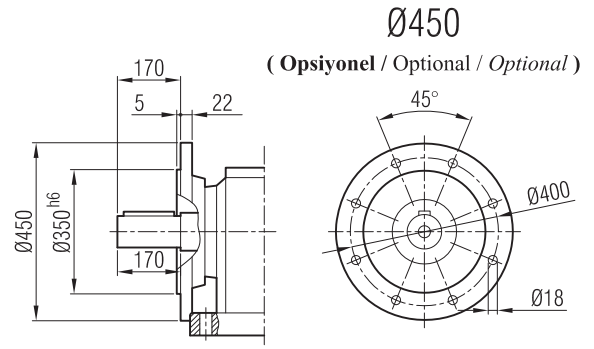
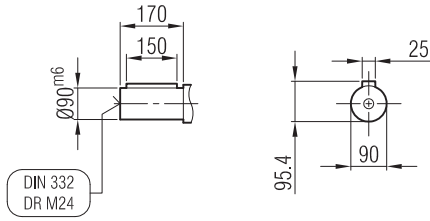
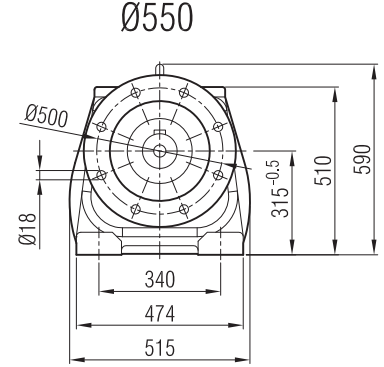
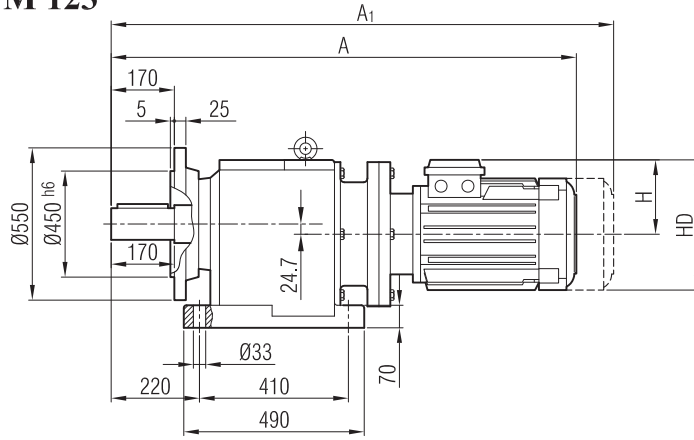
"A<sub>1</sub>" Ölçüsü Frenli Motorlar içindir.  
Dimension "A<sub>1</sub>" is for motors with brake  
Maß "A<sub>1</sub>" ist für Motoren mit Bremse



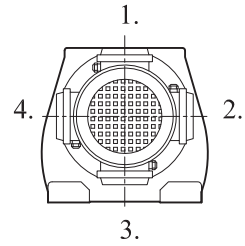


## İRAFPM 122

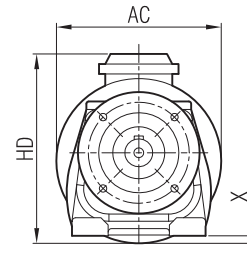
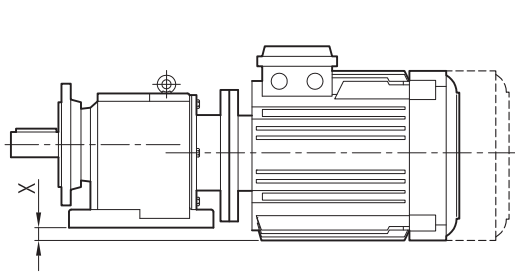
## İRAFPM 123



### Klemens Pozisyonları Terminal Box Positions Klemmenkasten Positionen



100-112-132-160-180-200-225-250 Tip/Type/Typ



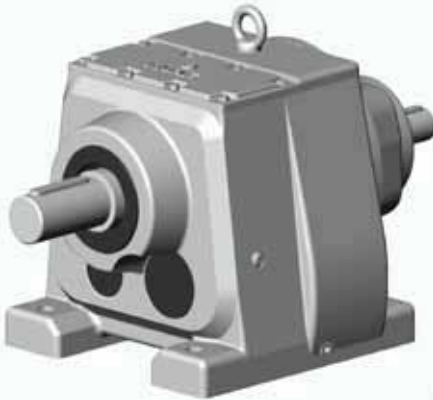
	63/B5	71/B5	80/B5	90 S/B5	90 L/B5	100/B5	112/ B5	132 S/B5	132 M/B5	160 M/B5	160 L/B5	180 M/B5	180 L/B5	200/B5	225 S/B5	225 M/B5	250/B5
A								1038	1084	1184	1228	1242	1280	1398	1423	1448	1526
A1								1180	1226	1374	1418	1437	1475	-	-	-	-
H								182	182	225	225	248	248	275	285	285	322
HD								314	314	385	385	428	428	425	510	510	572
AC								279	279	325	325	370	370	415	456	456	480
X								-	-	-	-	-	-	-	-	-	-

"A1" Ölçüsü Frenli Motorlar içindir.

Dimension "A1" is for motors with brake

Maß "A1" ist für Motoren mit Bremse





**İRA ...**



**İRAF ...**



**İRF ...**



**İRA ... - ...**




**İRF ... - ...**



**İRA ... - ...**


 $n_1 = 2800$ 



 d/d  
r.p.m

Servis Faktörü Service Factor Betriebsfaktor	$S_f=1$ $S_f=1$ $S_f=1$	$P_1$	$n_2$	$i$	$M_2$	$F_{Q1}$	$F_{Q12}$	Tip Type Typ		kg	
		GÜÇ Power Leistung	Çıkış Devri Output Speeds Abtriebswelle Drehzahlen	Tahvil Ratio Übersetzung	Çıkış Momenti Output Torque Abtriebswelle Drehmomente	Rad. Yük Over Loads Querkräfte	Rad. Yük Over Loads Querkräfte				
		[kW]	[r.p.m]		[Nm]	[N]	[N]				
<b>150 Nm</b>	4,3	265	10,55	150	475	2500					
	4,8	296	9,47	150	475	2500					
	5,1	315	8,88	150	475	2500					
	5,7	351	7,97	150	475	2500					
	6,3	391	7,17	150	475	2500					
	7,0	433	6,47	150	475	2500	<b>İRA</b>	228	10		
	7,8	481	5,82	150	475	2500	<b>İRF 52</b>	229	10		
	8,6	533	5,25	150	475	2500	<b>İRAF</b>	230	12		
	9,0	557	5,03	150	475	2500					
	10,1	621	4,51	150	475	2500					
	11,2	690	4,06	150	475	2500					
	12,4	765	3,66	150	475	2500					
	13,7	846	3,31	150	475	2500					
<b>300 Nm</b>	12,8	394	7,10	300	590	4500					
	14,0	432	6,48	300	590	4500					
	15,1	467	5,99	300	590	4500					
	15,8	490	5,72	300	590	4500					
	17,0	526	5,32	300	590	4500	<b>İRA</b>	231	18		
	17,9	553	5,06	300	590	4500	<b>İRF 621</b>	232	18		
	20,2	624	4,49	300	590	4500	<b>İRAF</b>	233	20		
	22,7	702	3,99	300	590	4500					
	24,4	755	3,71	300	590	4500					
	27,6	854	3,28	300	590	4500					
	<b>410 Nm</b>	17,5	394	7,10	410	590	4500				
		19,1	432	6,48	410	590	4500				
		20,7	467	5,99	410	590	4500				
21,7		490	5,72	410	590	4500					
23,3		526	5,32	410	590	4500	<b>İRA</b>	234	18		
24,5		553	5,06	410	590	4500	<b>İRF 62</b>	235	18		
27,6		624	4,49	410	590	4500	<b>İRAF</b>	236	20		
31,1		702	3,99	410	590	4500					
33,4		755	3,71	410	590	4500					
37,8		854	3,28	410	590	4500					
<b>870 Nm</b>	43,3	461	6,074	870	1200	9000					
	47,9	510	5,494	870	1200	9000	<b>İRA</b>	240	39		
	52,6	561	4,995	870	1200	9000	<b>İRF 72</b>	241	42		
	58,5	623	4,497	870	1200	9000	<b>İRAF</b>	242	45		
	64,8	690	4,059	870	1200	9000					






 $n_1 = 1400$ 



 d/d  
r.p.m

Servis Faktörü Service Factor Betriebsfaktor	$S_f=1$ $S_f=1$ $S_f=1$	$P_1$	$n_2$	$i$	$M_2$	$F_{Q1}$	$F_{Q2}$	Tip Type Typ			kg
		GÜÇ	Çıkış Devri	Tahvil	Çıkış Momenti	Rad. Yük	Rad. Yük				
		Power	Output Speeds	Ratio	Output Torque	Over Loads	Over Loads				
		Leistung	Abtriebswelle Drehzahlen	Übersetzung	Abtriebswelle Drehmomente	Querkräfte	Querkräfte				
		[kW]	[r.p.m]		[Nm]	[N]	[N]				
<b>85 Nm</b>		0,16	17	81,366	85	390	2100				
		0,19	20	70,053	85	390	2100				
		0,21	23	60,896	85	390	2100				
		0,24	26	53,331	85	390	2100				
		0,28	30	46,977	85	390	2100				
		0,31	33	41,849	85	390	2100				
		0,36	38	36,378	85	390	2100				
		0,41	44	31,859	85	390	2100				
		0,46	50	28,063	85	390	2100				
		0,50	53	26,193	85	390	2100				
		0,53	56	24,829	85	390	2000	<b>İRA</b>	225	10	
		0,58	62	22,615	85	390	2000	<b>İRF 43</b>	226	11	
		0,62	66	21,108	85	390	2000	<b>İRAF</b>	227	12	
		0,65	70	20,009	85	390	2000				
		0,70	75	18,593	85	390	2000				
		0,73	79	17,763	85	390	1850				
		0,79	85	16,450	85	390	1850				
		0,82	89	15,806	85	390	1850				
		0,89	96	14,604	85	390	1850				
		0,93	99	14,087	85	390	1800				
		1,0	108	12,995	85	390	1800				
		1,1	121	11,581	85	390	1800				
		1,1	125	11,242	85	390	800				
		1,3	142	9,845	85	390	800				
		1,5	161	8,672	85	390	800				
		1,7	182	7,673	85	390	750				
		1,9	204	6,872	85	390	750				
		2,1	230	6,080	85	390	750				
		2,3	253	5,538	85	390	750	<b>İRA</b>	225	9	
		2,4	259	5,398	85	390	750	<b>İRF 42</b>	226	10	
	2,6	286	4,900	85	390	750	<b>İRAF</b>	227	11		
	2,7	291	4,803	85	390	750					
	3,0	322	4,350	85	390	750					
	3,0	327	4,280	85	390	750					
	3,3	362	3,870	85	390	750					
	3,7	406	3,449	85	390	750					
<b>150 Nm</b>	0,003	0,16	8598	150	390	4250					
	0,003	0,19	7402	150	390	4250					
	0,004	0,22	6435	150	390	4250					
	0,004	0,26	5419	150	390	4250					
	0,005	0,30	4699	150	390	4250					
	0,006	0,34	4117	150	390	4250					
	0,007	0,42	3338	150	390	4250					
	0,008	0,47	2948	150	390	4250	<b>İRA</b>	257	23		
	0,009	0,52	2679	150	390	4250	<b>İRF</b>	258	25		
	0,010	0,60	2346	150	390	4250					
	0,012	0,67	2085	150	390	4250					
	0,013	0,75	1863	150	390	4250					
	0,015	0,85	1641	150	390	4250					
	0,016	0,96	1462	150	390	4250					
	0,019	1,10	1271	150	390	4250					


**n<sub>1</sub> = 1400** d/d  
r.p.m









Servis Faktörü Service Factor Betriebsfaktor	S <sub>f</sub> =1 S <sub>f</sub> =1 S <sub>f</sub> =1	P <sub>1</sub>	n <sub>2</sub>	İ	M <sub>2</sub>	F <sub>Q1</sub>	F <sub>Q2</sub>	Tip Type Typ			kg
		GÜÇ	Çıkış Devri	Tahvil	Çıkış Momenti	Rad. Yük	Rad. Yük				
		Power	Output Speeds	Ratio	Output Torque	Over Loads	Over Loads				
		Leistung	Abtriebswelle Drehzahlen	Übersetzung	Abtriebswelle Drehmomente	Querkräfte	Querkräfte				
		[kW]	[r.p.m]		[Nm]	[N]	[N]				
<b>150 Nm</b>		0,02	1,0	1398	150	390	4250	<b>İRA İRF</b>	<b>52 İR 43</b>		
		0,02	1,2	1204	150	390	4250				
		0,02	1,3	1046	150	390	4250				
		0,03	1,5	917	150	390	4250				
		0,03	1,7	809	150	390	4250				
		0,03	2,0	709	150	390	4250				
		0,04	2,2	630	150	390	4250				
		0,04	2,5	555	150	390	4250				
		0,05	2,8	496	150	390	4250				
		0,02	1,2	1188	150	390	4250	<b>İRA İRF</b>	<b>53 İR 42</b>		
		0,02	1,3	1040	150	390	4250				
		0,03	1,5	916	150	390	4250				
		0,03	1,6	878	150	390	4250				
		0,03	1,8	772	150	390	4250				
		0,04	2,1	669	150	390	4250				
		0,04	2,4	586	150	390	4250				
		0,05	2,7	519	150	390	4250				
		0,06	3,3	421	150	390	4250				
		0,06	3,7	377	150	390	4250				
		0,07	4,2	333	150	390	4250				
		0,08	4,8	294	150	390	4250				
		0,09	5,2	267	150	390	4250				
		0,10	5,9	238	150	390	4250				
		0,12	7,3	193	150	390	4250				
		0,14	8,1	173	150	390	4250				
		0,16	9,2	152	150	390	4250				
		0,17	10	138	150	390	4250				
		0,19	11	125	150	390	4250				
		0,21	13	111	150	390	4250				
		0,25	15	95	150	390	4250				
		0,12	7,3	193	150	390	4250	<b>İRA İRF</b>	<b>52 İR 42</b>		
		0,14	8,3	169	150	390	4250				
		0,16	9,5	148	150	390	4250				
	0,18	11	131	150	390	4250					
	0,20	12	116	150	390	4250					
	0,22	13	104	150	390	4250					
	0,25	15	93	150	390	4250					
	0,22	13	105,66	150	475	4250	<b>İRA İRF İRAF</b>	<b>53</b>			
	0,26	16	88,98	150	475	4250					
	0,30	18	77,16	150	475	4250					
	0,34	21	67,60	150	475	4250					
	0,42	26	54,81	150	475	4250					
	0,48	29	48,41	150	475	4250					
	0,52	32	43,98	150	475	4250					
	0,59	36	39,09	150	475	4250					
	0,66	40	34,93	150	475	4250					
	0,73	45	31,33	150	475	4250					
	0,82	50	28,21	150	475	4250					
	0,90	55	25,46	150	475	4250					
	1,0	61	23,02	150	475	4250					
	1,1	64	21,88	150	475	4250					


**n<sub>1</sub> = 1400**
**d/d**  
**r.p.m**



Servis Faktörü Service Factor Betriebsfaktor	S <sub>f</sub> =1 S <sub>r</sub> =1 S <sub>f</sub> =1	P <sub>1</sub>	n <sub>2</sub>	İ	M <sub>2</sub>	F <sub>Q1</sub>	F <sub>Q2</sub>	Tip Type Typ			kg
		GÜÇ	Çıkış Devri	Tahvil	Çıkış Momenti	Rad. Yük	Rad. Yük				
		Power	Output Speeds	Ratio	Output Torque	Over Loads	Over Loads				
		Leistung	Abtriebswelle Drehzahlen	Übersetzung	Abtriebswelle Drehmomente	Querkräfte	Querkräfte				
		[kW]	[r.p.m]		[Nm]	[N]	[N]				
<b>150 Nm</b>		1,2	71	19,69	150	475	4250	<b>İRA</b> <b>İRF 53</b> <b>İRAF</b>			228 16 229 18 230 19
		1,3	79	17,77	150	475	4250				
		1,4	87	16,07	150	475	4250				
		1,3	81	17,18	150	475	3500	<b>İRA</b> <b>İRF 52</b> <b>İRAF</b>			228 15 229 17 230 18
		1,5	93	15,05	150	475	3500				
		1,7	105	13,29	150	475	3500				
		1,9	119	11,81	150	475	3500				
		2,1	133	10,55	150	475	3500				
		2,4	148	9,47	150	475	3500				
		2,6	158	8,88	150	475	3500				
		2,8	176	7,97	150	475	3500				
		3,2	195	7,17	150	475	3500				
		3,5	216	6,47	150	475	3500				
		3,9	241	5,82	150	475	3500				
		4,3	267	5,25	150	475	3500				
		4,5	278	5,03	150	475	3500				
		5,0	310	4,51	150	475	3500				
		5,6	345	4,06	150	475	3500				
		6,2	383	3,66	150	475	3500				
		6,8	423	3,31	150	475	3500				
		7,4	459	3,05	150	475	3500				
		7,8	483	2,90	150	475	3500				
		8,8	545	2,57	150	475	3500				
	<b>300 Nm</b>	0,36	11	127,94	300	590	7000	<b>İRA</b> <b>İRF 631</b> <b>İRAF</b>			231 29 232 34 233 35
		0,39	12	119,40	300	590	7000				
		0,48	15	96,27	300	590	7000				
		0,52	16	87,81	300	590	7000				
		0,55	17	83,37	300	590	7000				
0,65		20	70,96	300	590	7000					
0,75		23	61,03	300	590	7000					
0,89		27	51,65	300	590	7000					
1,0		30	46,79	300	590	7000					
1,1		33	42,55	300	590	7000					
1,3		39	35,74	300	590	7000					
1,5		47	29,85	300	590	7000					
1,8		56	25,16	300	590	7000					
2,1		65	21,50	300	590	7000					
2,2		68	20,53	300	590	7000					
2,5		77	18,18	300	590	7000					
3,0		90	15,59	300	590	7000					
3,3		101	13,81	300	590	7000					
3,4		104	13,47	300	590	4500	<b>İRA</b> <b>İRF 621</b> <b>İRAF</b>			231 24 232 29 233 30	
3,7		115	12,20	300	590	4500					
4,1		126	11,10	300	590	4500					
4,5		139	10,07	300	590	4500					
4,8		150	9,35	300	590	4500					
5,3		165	8,51	300	590	4500					
5,9		182	7,67	300	590	4500					
6,4		197	7,10	300	590	4500					
7,0		216	6,48	300	590	4500					
7,6		234	5,99	300	590	4500					
7,9		245	5,72	300	590	4500					
8,5		263	5,32	300	590	4500					


 $n_1 = 1400$ 



 d/d  
r.p.m

Servis Faktörü Service Factor Betriebsfaktor	$S_f=1$ $S_f=1$ $S_f=1$	$P_1$	$n_2$	$i$	$M_2$	$F_{Q1}$	$F_{Q2}$	Tip Type Typ	 	kg
		GÜÇ Power Leistung	Çıkış Devri Output Speeds Abtriebswelle Drehzahlen	Tahvil Ratio Übersetzung	Çıkış Momenti Output Torque Abtriebswelle Drehmomente	Rad. Yük Over Loads Querkräfte	Rad. Yük Over Loads Querkräfte			
		[kW]	[r.p.m]		[Nm]	[N]	[N]			
<b>300 Nm</b>		9,0	277	5,06	300	590	4500	<b>İRA</b> <b>İRF 621</b> <b>İRAF</b>	 	
		10,1	312	4,49	300	590	4500			
		11,4	351	3,99	300	590	4500			
		12,2	377	3,71	300	590	4500			
		13,8	427	3,28	300	590	4500			
		15,6	481	2,91	300	590	4500			
		17,5	541	2,59	300	590	4500			
		18,5	573	2,44	300	590	4500			
<b>410 Nm</b>	0,005	0,10	13520	410	475	7000	<b>İRA</b> <b>İRF 63 İR 53</b>	 		
	0,01	0,11	12617	410	475	7000				
	0,01	0,12	11345	410	475	7000				
	0,01	0,13	10587	410	475	7000				
	0,01	0,14	9873	410	475	7000				
	0,01	0,15	9214	410	475	7000				
	0,01	0,19	7479	410	475	7000				
	0,01	0,22	6508	410	475	7000				
	0,01	0,23	6194	410	475	7000				
	0,01	0,24	5936	410	475	7000				
	0,01	0,24	5780	410	475	7000				
	0,01	0,25	5636	410	475	7000				
	0,01	0,29	4814	410	475	7000				
	0,01	0,30	4661	410	475	7000				
	0,01	0,31	4570	410	475	7000				
	0,02	0,33	4251	410	475	7000				
	0,02	0,35	4036	410	475	7000				
	0,02	0,36	3890	410	475	7000				
	0,02	0,41	3436	410	475	7000				
	0,02	0,47	2955	410	475	7000				
	0,02	0,52	2685	410	475	7000				
	0,03	0,56	2500	410	475	7000				
	0,03	0,62	2272	410	475	7000				
	0,03	0,62	2265	410	475	7000				
	0,03	0,68	2058	410	475	7000				
	0,04	0,75	1872	410	475	7000				
		0,03	0,64	2198	410	475				7000
		0,03	0,68	2052	410	475				7000
		0,04	0,78	1797	410	475				7000
		0,04	0,82	1701	410	475				7000
		0,04	0,85	1654	410	475				7000
		0,04	0,88	1587	410	475				7000
		0,04	0,93	1509	410	475				7000
		0,05	0,98	1432	410	475				7000
		0,05	1,1	1280	410	475				7000
		0,05	1,1	1219	410	475				7000
	0,06	1,2	1167	410	475	7000				
	0,06	1,3	1108	410	475	7000				
	0,06	1,3	1049	410	475	7000				
	0,07	1,5	943	410	475	7000				
	0,07	1,6	887	410	475	7000				
	0,08	1,7	811	410	475	7000				
	0,08	1,7	804	410	475	7000				
	0,09	1,9	731	410	475	7000				
	0,09	2,0	686	410	475	7000				
							<b>İRA</b> <b>İRF 63 İR 52</b>	 	259 260	48 53



**n<sub>1</sub> = 1400**
**d/d**  
**r.p.m**

Servis Faktörü Service Factor Betriebsfaktor	S <sub>f</sub> =1 S <sub>r</sub> =1 S <sub>f</sub> =1	P <sub>1</sub>	n <sub>2</sub>	İ	M <sub>2</sub>	F <sub>Q1</sub>	F <sub>Q12</sub>	Tip Type Typ			kg
		GÜÇ Power Leistung	Çıkış Devri Output Speeds Abtriebswelle Drehzahlen	Tahvil Ratio Übersetzung	Çıkış Momenti Output Torque Abtriebswelle Drehmomente	Rad. Yük Over Loads Querkräfte	Rad. Yük Over Loads Querkräfte				
		[kW]	[r.p.m]		[Nm]	[N]	[N]				
<b>410 Nm</b>	0,10	2,3	622	410	475	7000	<b>İRA</b> <b>İRF</b>	<b>63 İR 52</b>	259	48	
	0,11	2,3	614	410	475	7000					
	0,11	2,5	566	410	475	7000					
	0,12	2,6	538	410	475	7000					
	0,14	2,9	475	410	475	7000					
	0,14	3,1	449	410	475	7000					
	0,16	3,5	397	410	475	7000					
	0,17	3,7	379	410	475	7000					
	0,19	4,2	335	410	475	7000					
	0,23	4,9	286	410	475	7000					
	0,24	5,1	273	410	475	7000					
	0,27	5,8	242	410	475	7000					
	0,30	6,5	215	410	475	7000					
	0,34	7,4	190	410	475	7000					
	0,28	6,0	232	410	475	7000					<b>İRA</b> <b>İRF</b>
	0,30	6,7	210	410	475	7000					
	0,33	7,3	191	410	475	7000					
	0,36	7,8	179	410	475	7000					
	0,37	8,1	173	410	475	7000					
	0,39	8,6	162	410	475	7000					
	0,40	8,7	161	410	475	7000					
	0,43	9,5	148	410	475	7000					
	0,44	9,6	146	410	475	7000					
	0,48	10,4	134	410	475	7000					
	0,49	11	127,94	410	590	7000	<b>İRA</b> <b>İRF</b> <b>İRAF</b>	<b>63</b>	234	29	
	0,53	12	119,40	410	590	7000					
	0,65	15	96,27	410	590	7000					
	0,72	16	87,81	410	590	7000					
	0,75	17	83,37	410	590	7000					
	0,89	20	70,96	410	590	7000					
	1,0	23	61,03	410	590	7000					
	1,2	27	51,65	410	590	7000					
	1,3	30	46,79	410	590	7000					
	1,5	33	42,55	410	590	7000					
	1,8	39	35,74	410	590	7000					
	2,1	47	29,85	410	590	7000					
	2,5	56	25,16	410	590	7000					
	2,9	65	21,50	410	590	7000					
	3,1	68	20,53	410	590	7000					
3,5	77	18,18	410	590	7000						
4,0	90	15,59	410	590	7000						
4,6	101	13,81	410	590	7000						
4,1	93	15,13	410	590	4500	<b>İRA</b> <b>İRF</b> <b>İRAF</b>	<b>62</b>	234	24		
4,6	104	13,47	410	590	4500						
5,1	115	12,20	410	590	4500						
5,6	126	11,10	410	590	4500						
6,1	139	10,07	410	590	4500						
6,6	150	9,35	410	590	4500						
7,3	165	8,51	410	590	4500						
8,1	182	7,67	410	590	4500						
8,7	197	7,10	410	590	4500						
9,6	216	6,48	410	590	4500						



 n<sub>1</sub> = 1400 d/d  
r.p.m

Servis Faktörü Service Factor Betriebsfaktor	S <sub>f</sub> =1 S <sub>f</sub> =1 S <sub>f</sub> =1	P <sub>1</sub>	n <sub>2</sub>	İ	M <sub>2</sub>	F <sub>Q1</sub>	F <sub>Q12</sub>	Tip Type Typ	 	kg			
		GÜÇ	Çıkış Devri	Tahvil	Çıkış Momenti	Rad. Yük	Rad. Yük						
		Power	Output Speeds	Ratio	Output Torque	Over Loads	Over Loads						
		Leistung	Abtriebswelle Drehzahlen	Übersetzung	Abtriebswelle Drehmomente	Querkräfte	Querkräfte						
		[kW]	[r.p.m]		[Nm]	[N]	[N]						
<b>410 Nm</b>		10,3	234	5,99	410	590	4500	<b>İRA</b> <b>İRF 62</b> <b>İRAF</b>	234 235 236	24 29 30			
		10,8	245	5,72	410	590	4500						
		11,6	263	5,32	410	590	4500						
		12,2	277	5,06	410	590	4500						
		13,8	312	4,49	410	590	4500						
		15,5	351	3,99	410	590	4500						
		16,7	377	3,71	410	590	4500						
		18,9	427	3,28	410	590	4500						
		21,3	481	2,91	410	590	4500						
		23,9	541	2,59	410	590	4500						
		25,3	573	2,44	410	590	4500						
	<b>600 Nm</b>	0,006	0,09	16071	600	475	10100				<b>İRA</b> <b>İRF 731 İR 53</b>	261 262	51 54
		0,007	0,10	14258	600	475	10100						
		0,008	0,11	12326	600	475	10100						
0,009		0,13	10380	600	475	10100							
0,011		0,16	9001	600	475	10100							
0,012		0,18	7782	600	475	10100							
0,014		0,20	6862	600	475	10100							
0,016		0,23	6012	600	475	10100							
0,018		0,26	5301	600	475	10100							
0,022		0,33	4299	600	475	10100							
0,025		0,37	3796	600	475	10100							
0,028		0,41	3450	600	475	10100							
0,031		0,46	3068	600	475	10100							
0,035		0,51	2747	600	475	10100							
0,039		0,57	2443	600	475	10100							
0,04		0,54	2613	600	475	10100	<b>İRA</b> <b>İRF 731 İR 52</b>	261 262	50 53				
0,04		0,60	2318	600	475	10100							
0,05		0,70	2004	600	475	10100							
0,05		0,80	1756	600	475	10100							
0,06		0,92	1518	600	475	10100							
0,07		1,0	1339	600	475	10100							
0,08		1,2	1180	600	475	10100							
0,09		1,3	1050	600	475	10100							
0,10		1,5	940	600	475	10100							
0,11		1,7	836	600	475	10100							
0,13		1,9	749	600	475	10100							
0,14		2,1	674	600	475	10100							
0,16		2,3	600	600	475	10100							
0,18		2,6	530	600	475	10100							
0,20		3,0	468	600	475	10100							
0,23		3,4	416	600	475	10100							
0,26		3,8	372	600	475	10100							
0,28		4,2	333	600	475	10100							
0,32		4,7	300	600	475	10100							
0,36	5,2	267	600	475	10100								
0,40	5,9	238	600	475	10100								
0,44	6,5	214	600	475	10100								
0,47	7,0	201	600	475	10100								
0,52	7,7	183	600	475	10100								
0,59	8,6	162	600	475	10100								
0,65	9,6	146	600	475	10100								


**n<sub>1</sub> = 1400**
**d/d  
r.p.m**

Servis Faktörü Service Factor Betriebsfaktor	S <sub>f</sub> =1 S <sub>f</sub> =1 S <sub>f</sub> =1	P <sub>1</sub>	n <sub>2</sub>	İ	M <sub>2</sub>	F <sub>Q1</sub>	F <sub>Q12</sub>	Tip Type Typ		kg	
		GÜÇ Power Leistung	Çıkış Devri Output Speeds Abtriebswelle Drehzahlen	Tahvil Ratio Übersetzung	Çıkış Momenti Output Torque Abtriebswelle Drehmomente	Rad. Yük Over Loads Querkräfte	Rad. Yük Over Loads Querkräfte				
		[kW]	[r.p.m]		[Nm]	[N]	[N]				
<b>600 Nm</b>	0,05	0,75	1872	600	475	10100					
	0,06	0,85	1640	600	475	10100					
	0,07	0,97	1446	600	475	10100					
	0,07	1,1	1286	600	475	10100					
	0,08	1,2	1172	600	475	10100					
	0,09	1,4	1035	600	475	10100					
	0,10	1,5	921	600	475	10100					
	0,11	1,7	825	600	475	10100					
	0,13	1,9	743	600	475	10100					
	0,14	2,1	675	600	475	10100					
	0,16	2,3	604	600	475	10100					
	0,18	2,6	533	600	475	10100					
	0,19	2,9	491	600	475	10100	<b>İRA</b>	<b>721 İR 53</b>	261	49	
	0,20	2,9	480	600	475	10100	<b>İRF</b>		262	52	
	0,22	3,3	423	600	475	10100					
	0,24	3,6	390	600	475	10100					
	0,28	4,1	344	600	475	10100					
	0,31	4,6	306	600	475	10100					
	0,35	5,1	274	600	475	10100					
	0,39	5,7	245	600	475	10100					
	0,43	6,3	221	600	475	10100					
	0,48	7,0	199	600	475	10100					
	0,53	7,8	180	600	475	10100					
	0,58	8,6	163	600	475	10100					
	0,64	9,5	148	600	475	10100					
		0,22	3,4	417	600	475	10100				
		0,26	3,8	365	600	475	10100				
		0,29	4,3	322	600	475	10100				
		0,33	4,9	287	600	475	10100				
		0,36	5,5	256	600	475	10100	<b>İRA</b>	<b>721 İR 52</b>	261	48
		0,41	6,2	226	600	475	10100	<b>İRF</b>		262	51
		0,46	7,0	201	600	475	10100				
		0,52	7,8	180	600	475	10100				
		0,58	8,6	162	600	475	10100				
	0,64	9,7	145	600	475	10100					
	0,61	9,2	152,090	600	1000	10100					
	0,68	10	134,933	600	1000	10100					
	0,79	12	116,652	600	1000	10100					
	0,91	14	100,847	600	1000	10100					
	1,0	16	88,932	600	1000	10100					
	1,2	18	78,425	600	1000	10100					
	1,3	20	69,746	600	1000	9700					
	1,5	22	62,455	600	1000	9700	<b>İRA</b>		237	39	
	1,7	25	55,543	600	1000	9700	<b>İRF</b>	<b>731</b>	238	42	
	1,9	28	49,737	600	1000	9700	<b>İRAF</b>		239	45	
	2,1	31	44,791	600	1000	9700					
	2,3	35	39,887	600	1000	9500					
	2,6	40	35,224	600	1000	9500					
	2,9	45	31,308	600	1000	9500					
	3,3	50	27,971	600	1000	9250					
	3,7	56	25,095	600	1000	9250					
	4,1	62	22,590	600	1000	9250					


 n<sub>1</sub> = 1400 d/d  
r.p.m



Servis Faktörü Service Factor Betriebsfaktor	S <sub>f</sub> =1 S <sub>f</sub> =1 S <sub>f</sub> =1	P <sub>1</sub>	n <sub>2</sub>	İ	M <sub>2</sub>	F <sub>Q1</sub>	F <sub>Q2</sub>	Tip Type Typ		kg	
		GÜÇ Power Leistung	Çıkış Devri Output Speeds Abtriebswelle Drehzahlen	Tahvil Ratio Übersetzung	Çıkış Momenti Output Torque Abtriebswelle Drehmomente	Rad. Yük Over Loads Querkräfte	Rad. Yük Over Loads Querkräfte				
		[kW]	[r.p.m]		[Nm]	[N]	[N]				
<b>600 Nm</b>		2,9	44	31,622	600	1000	7500				
		3,2	50	28,055	600	1000	7500				
		3,7	58	24,254	600	1000	7500				
		4,2	65	21,388	600	1000	7500				
		4,8	74	19,021	600	1000	7250				
		5,3	82	17,033	600	1000	7250				
		5,9	91	15,339	600	1000	7250				
		6,6	102	13,731	600	1000	7250				
		7,5	115	12,126	600	1000	7250				
		8,1	125	11,172	600	1000	7250				
		9,2	142	9,866	600	1000	7000				
		10,3	160	8,769	600	1000	7000				
		11,6	179	7,834	600	1000	7000				
		12,9	199	7,029	600	1000	7000				
		14,3	221	6,327	600	1000	7000				
		15,9	245	5,710	600	1000	7000				
		17,6	271	5,164	600	1000	7000				
		19,4	299	4,677	600	1000	7000				
		21,4	330	4,240	600	1000	7000				
		23,8	368	3,809	600	1000	7000				
		26,4	407	3,438	600	1000	7000				
		29,2	450	3,109	600	1000	7000				
	32,2	497	2,816	600	1000	7000					
	35,5	548	2,553	600	1000	7000					
<b>870 Nm</b>		0,01	0,09	16321	870	475	12100				
		0,01	0,10	14110	870	475	12100				
		0,01	0,10	13744	870	475	12100				
		0,01	0,12	11919	870	475	12100				
		0,01	0,13	10947	870	475	12100				
		0,01	0,14	10304	870	475	12100				
		0,01	0,15	9654	870	475	12100				
		0,02	0,16	8586	870	475	12100				
		0,02	0,18	7688	870	475	12100				
		0,02	0,22	6474	870	475	12100				
		0,02	0,25	5674	870	475	12100				
		0,03	0,26	5287	870	475	12100				
		0,03	0,32	4423	870	475	12100				
		0,04	0,35	3989	870	475	12100				
		0,04	0,40	3522	870	475	12100				
		0,04	0,44	3153	870	475	12100				
		0,05	0,50	2817	870	475	12100				
		0,06	0,55	2527	870	475	12100				
		0,07	0,66	2106	870	475	12100				
		0,07	0,69	2017	870	475	12100				
		0,07	0,74	1882	870	475	12100				
		0,08	0,82	1703	870	475	12100				
		0,09	0,92	1520	870	475	12100				
		0,10	0,99	1410	870	475	12100				
		0,11	1,1	1265	870	475	12100				
		0,12	1,2	1187	870	475	12100				
		0,14	1,4	981	870	475	12100				
		0,15	1,5	921	870	475	12100				
		0,16	1,6	865	870	475	12100				
								İRF		264	52
								İRA	73 İR 52	263	48
								İRF		264	51





 n<sub>1</sub> = 1400 d/d  
r.p.m

Servis Faktörü Service Factor Betriebsfaktor	S <sub>f</sub> =1 S <sub>f</sub> =1 S <sub>f</sub> =1	P <sub>1</sub>	n <sub>2</sub>	İ	M <sub>2</sub>	F <sub>Q1</sub>	F <sub>Q12</sub>	Tip Type Typ			kg
		GÜÇ	Çıkış Devri	Tahvil	Çıkış Momenti	Rad. Yük	Rad. Yük				
		Power	Output Speeds	Ratio	Output Torque	Over Loads	Over Loads				
		Leistung	Abtriebswelle Drehzahlen	Übersetzung	Abtriebswelle Drehmomente	Querkräfte	Querkräfte				
		[kW]	[r.p.m]		[Nm]	[N]	[N]				
<b>870 Nm</b>	0,17	1,7	812	870	475	12100		<b>İRA İRF</b>	<b>73 İR 52</b>	263	48
	0,18	1,8	769	870	475	12100	264			51	
	0,19	1,9	722	870	475	12100					
	0,21	2,2	648	870	475	12100					
	0,24	2,4	576	870	475	12100					
	0,29	3,0	473	870	475	12100		<b>İRA İRF</b>	<b>72 İR 53</b>	263	47
	0,33	3,3	420	870	475	12100	264			50	
	0,42	4,3	326	870	475	12100					
	0,47	4,8	291	870	475	12100					
	0,53	5,4	261	870	475	12100					
	0,86	9	154,461	870	1200	12100		<b>İRA İRF İRAF</b>	<b>73</b>	240	37
	1,0	10	133,534	870	1200	12100	241			40	
	1,3	14	103,604	870	1200	12100	242			43	
	1,5	15	91,364	870	1200	12100					
	1,6	17	81,252	870	1200	12100					
	1,8	19	72,759	870	1200	12100					
	2,0	21	65,524	870	1200	12100					
	2,2	24	59,416	870	1200	12100					
	2,5	27	52,470	870	1200	12100					
	2,9	30	46,636	870	1200	12100					
	3,2	34	41,667	870	1200	12100					
	3,6	37	37,382	870	1200	12100					
	4,3	45	31,160	870	1200	12100					
	4,8	50	27,840	870	1200	12100					
	5,3	56	24,977	870	1200	12100					
	5,9	62	22,484	870	1200	12100					
	6,6	69	20,293	870	1200	12100					
	7,3	76	18,352	870	1200	12100					
	8,0	84	16,622	870	1200	12100					
	8,9	93	15,068	870	1200	12100					
9,72	104	13,526	870	1200	9000		<b>İRA İRF İRAF</b>	<b>72</b>	240	35	
10,9	116	12,022	870	1200	9000	241			38		
12,2	130	10,740	870	1200	9000	242			41		
14,1	150	9,337	870	1200	9000						
15,8	168	8,333	870	1200	9000						
17,6	187	7,476	870	1200	9000						
19,5	208	6,730	870	1200	9000						
21,6	230	6,074	870	1200	9000						
23,9	255	5,494	870	1200	9000						
26,3	280	4,995	870	1200	9000						
29,2	311	4,497	870	1200	9000						
32,4	345	4,059	870	1200	9000						
35,8	381	3,670	870	1200	9000						
39,5	421	3,324	870	1200	9000						
43,6	464	3,014	870	1200	9000						
48,1	512	2,733	870	1200	9000						
51,1	545	2,571	870	1200	9000						
<b>1500 Nm</b>	0,01	0,08	18231	1500	590	17000		<b>İRA İRF</b>	<b>83 İR 63</b>	265	101
	0,02	0,09	15217	1500	590	17000	266			106	
	0,02	0,10	13984	1500	590	17000					
	0,02	0,11	12302	1500	590	17500					
	0,02	0,13	10968	1500	590	17500					




**n<sub>1</sub> = 1400**
**d/d  
r.p.m**

Servis Faktörü Service Factor Betriebsfaktor	S <sub>f</sub> =1 S <sub>f</sub> =1 S <sub>f</sub> =1	P <sub>1</sub>	n <sub>2</sub>	İ	M <sub>2</sub>	F <sub>Q1</sub>	F <sub>Q12</sub>	Tip Type Typ			kg
		GÜÇ Power Leistung	Çıkış Devri Output Speeds Abtriebswelle Drehzahlen	Tahvil Ratio Übersetzung	Çıkış Momenti Output Torque Abtriebswelle Drehmomente	Rad. Yük Over Loads Querkräfte	Rad. Yük Over Loads Querkräfte				
		[kW]	[r.p.m]		[Nm]	[N]	[N]				
<b>1500 Nm</b>	0,03	0,16	8893	1500	590	17500					
	0,03	0,18	7902	1500	590	17500					
	0,03	0,20	7092	1500	590	17500					
	0,04	0,22	6393	1500	590	17500					
	0,04	0,26	5484	1500	590	17500					
	0,05	0,28	4922	1500	590	17500					
	0,05	0,32	4437	1500	590	17500					
	0,06	0,35	4015	1500	590	17500					
	0,07	0,39	3593	1500	590	17500	<b>İRA</b>	<b>83 İR 63</b>	265	101	
	0,07	0,43	3239	1500	590	17500	<b>İRF</b>		266	106	
	0,08	0,48	2930	1500	590	17500					
	0,09	0,53	2659	1500	590	17500					
	0,10	0,58	2419	1500	590	17500					
	0,11	0,63	2205	1500	590	17500					
	0,12	0,70	2013	1500	590	17500					
	0,13	0,76	1840	1500	590	17500					
	0,16	0,95	1481	1500	590	17500					
	0,18	1,03	1353	1500	590	17500					
		0,13	0,79	1778	1500	590	17500				
		0,15	0,89	1580	1500	590	17500				
		0,17	0,99	1418	1500	590	17500				
		0,18	1,1	1308	1500	590	17500				
		0,19	1,1	1279	1500	590	17500				
		0,20	1,2	1162	1500	590	17500				
		0,20	1,2	1157	1500	590	17500				
		0,23	1,3	1050	1500	590	17500				
		0,23	1,3	1043	1500	590	17500				
		0,25	1,5	940	1500	590	17500				
	0,28	1,6	850	1500	590	17500	<b>İRA</b>	<b>82 İR 63</b>	265	111	
	0,31	1,8	772	1500	590	17500	<b>İRF</b>		266	116	
	0,33	1,9	723	1500	590	17500					
	0,36	2,1	653	1500	590	17500					
	0,40	2,4	590	1500	590	17500					
	0,44	2,6	535	1500	590	17500					
	0,49	2,9	487	1500	590	17500					
	0,59	3,5	405	1500	590	17500					
	0,66	3,9	359	1500	590	17500					
	0,76	4,5	314	1500	590	17500					
	0,80	4,7	295	1500	590	17500					
	0,89	5,3	265	1500	590	17500					
	0,99	5,8	240	1500	590	17500					
	0,92	5,6	250,50	1500	1550	17500					
	1,0	6,3	221,16	1500	1550	17500					
	1,1	6,7	208,58	1500	1550	17500					
	1,2	7,5	186,71	1500	1550	17500					
	1,4	8,3	168,34	1500	1550	17500	<b>İRA</b>	<b>83</b>	243	79	
	1,5	9,2	152,68	1500	1550	17500	<b>İRF</b>		244	84	
	1,7	10	139,19	1500	1550	17500	<b>İRAF</b>	245	86		
	1,8	11	127,44	1500	1550	17500					
	2,0	12	117,12	1500	1550	17500					
	2,2	14	103,03	1500	1550	17500					
	2,5	15	91,85	1500	1550	17500					
	2,8	17	82,47	1500	1550	17500					


**n<sub>1</sub> = 1400**
**d/d  
r.p.m**

Servis Faktörü Service Factor Betriebsfaktor	S <sub>f</sub> =1 S <sub>f</sub> =1 S <sub>f</sub> =1	P <sub>1</sub>	n <sub>2</sub>	İ	M <sub>2</sub>	F <sub>Q1</sub>	F <sub>Q12</sub>	Tip Type Typ		kg
		GÜÇ Power Leistung	Çıkış Devri Output Speeds Abtriebswelle Drehzahlen	Tahvil Ratio Übersetzung	Çıkış Momenti Output Torque Abtriebswelle Drehmomente	Rad. Yük Over Loads Querkräfte	Rad. Yük Over Loads Querkräfte			
		[kW]	[r.p.m]		[Nm]	[N]	[N]			
<b>1500 Nm</b>		3,1	19	74,47	1500	1550	17500			
		3,5	21	66,18	1500	1550	17500			
		3,9	24	59,39	1500	1550	17500			
		4,3	26	53,54	1500	1550	17500			
		4,8	29	48,44	1500	1550	17500			
		5,0	30	45,93	1500	1550	17500			
		5,6	34	41,22	1500	1550	17500			
		6,2	38	37,16	1500	1550	17500	<b>İRA</b>	243	79
		6,8	42	33,62	1500	1550	17500	<b>İRF 83</b>	244	84
		7,6	47	30,08	1500	1550	17500	<b>İRAF</b>	245	86
		8,5	52	27,12	1500	1550	17500			
		9,4	57	24,54	1500	1550	17500			
		10,3	63	22,27	1500	1550	17500			
		11,4	69	20,26	1500	1550	17500			
		12,5	76	18,47	1500	1550	17500			
		13,6	83	16,86	1500	1550	17500			
		14,9	91	15,41	1500	1550	17500			
		15,2	94	14,89	1500	1550	13000			
		17,1	106	13,23	1500	1550	13000			
		19,1	118	11,87	1500	1550	13000			
		21,2	131	10,70	1500	1550	13000			
		23,4	145	9,68	1500	1550	13000			
		25,8	159	8,79	1500	1550	13000			
		27,5	170	8,24	1500	1550	13000			
		30,5	188	7,43	1500	1550	13000			
		33,7	208	6,72	1500	1550	13000			
		37,2	230	6,10	1500	1550	13000	<b>İRA</b>	243	89
		40,8	252	5,55	1500	1550	13000	<b>İRF 82</b>	244	94
		44,8	277	5,06	1500	1550	13000	<b>İRAF</b>	245	96
		49,1	303	4,62	1500	1550	13000			
		53,7	332	4,22	1500	1550	13000			
		56,0	346	4,05	1500	1550	13000			
		61,4	379	3,69	1500	1550	13000			
	67,3	415	3,37	1500	1550	13000				
	73,6	455	3,08	1500	1550	13000				
	77,5	478	2,93	1500	1550	13000				
	84,8	524	2,67	1500	1550	13000				
	95,5	590	2,37	1500	1550	13000				
<b>2800 Nm</b>		0,02	0,06	22852	2800	590	25000			
		0,02	0,07	20623	2800	590	25000			
		0,02	0,07	18725	2800	590	25000			
		0,02	0,08	18426	2800	590	25000			
		0,03	0,08	17911	2800	590	25000			
		0,03	0,08	16707	2800	590	25000			
		0,03	0,08	16629	2800	590	25000			
		0,03	0,09	15663	2800	590	25000	<b>İRA</b>	267	151
		0,03	0,09	15160	2800	590	25000	<b>İRF 93 İR 63</b>	268	161
		0,03	0,09	15098	2800	590	25000			
		0,03	0,10	14679	2800	590	25000			
		0,03	0,10	14410	2800	590	25000			
		0,03	0,10	13583	2800	590	25000			
		0,03	0,11	13137	2800	590	25000			
		0,03	0,11	13037	2800	590	25000			




**n<sub>1</sub> = 1400**
**d/d**  
**r.p.m**

Servis Faktörü Service Factor Betriebsfaktor	S <sub>f</sub> =1 S <sub>f</sub> =1 S <sub>f</sub> =1	P <sub>1</sub>	n <sub>2</sub>	İ	M <sub>2</sub>	F <sub>Q1</sub>	F <sub>Q2</sub>	Tip Type Typ	 	kg
		GÜÇ Power Leistung	Çıkış Devri Output Speeds Abtriebswelle Drehzahlen	Tahvil Ratio Übersetzung	Çıkış Momenti Output Torque Abtriebswelle Drehmomente	Rad. Yük Over Loads Querkräfte	Rad. Yük Over Loads Querkräfte			
		[kW]	[r.p.m]		[Nm]	[N]	[N]			
<b>2800 Nm</b>	0,04	0,11	12258	2800	590	25000				
	0,04	0,12	11681	2800	590	25000				
	0,04	0,12	11577	2800	590	25000				
	0,04	0,13	11130	2800	590	25000				
	0,04	0,13	10542	2800	590	25000				
	0,04	0,14	10288	2800	590	25000				
	0,05	0,15	9565	2800	590	25000				
	0,05	0,15	9309	2800	590	25000				
	0,05	0,15	9206	2800	590	25000				
	0,05	0,16	8565	2800	590	25000				
	0,05	0,17	8198	2800	590	25000				
	0,06	0,17	8006	2800	590	25000				
	0,06	0,18	7808	2800	590	25000				
	0,06	0,19	7366	2800	590	25000				
	0,06	0,19	7224	2800	590	25000				
	0,07	0,20	6881	2800	590	25000				
	0,07	0,21	6715	2800	590	25000				
	0,07	0,22	6420	2800	590	25000	<b>İRA</b>	<b>93 İR 63</b>	267	151
	0,07	0,23	6115	2800	590	25000	<b>İRF</b>		268	161
	0,08	0,24	5918	2800	590	25000				
	0,08	0,24	5745	2800	590	25000				
	0,08	0,26	5472	2800	590	25000				
	0,09	0,27	5259	2800	590	25000				
	0,09	0,27	5169	2800	590	25000				
	0,09	0,29	4872	2800	590	25000				
	0,10	0,30	4706	2800	590	25000				
	0,10	0,30	4673	2800	590	25000				
	0,10	0,33	4294	2800	590	25000				
	0,11	0,33	4241	2800	590	25000				
	0,11	0,33	4190	2800	590	25000				
	0,12	0,36	3862	2800	590	25000				
	0,12	0,38	3693	2800	590	25000				
	0,13	0,40	3525	2800	590	25000				
	0,14	0,43	3225	2800	590	25000				
	0,15	0,47	2956	2800	590	25000				
	0,11	0,35	3954	2800	590	25000				
	0,12	0,38	3688	2800	590	25000				
	0,12	0,39	3582	2800	590	25000				
	0,13	0,42	3341	2800	590	25000				
	0,14	0,43	3241	2800	590	25000				
	0,15	0,48	2936	2800	590	25000				
	0,15	0,49	2878	2800	590	25000				
	0,17	0,54	2607	2800	590	25000				
	0,19	0,60	2336	2800	590	25000				
	0,21	0,66	2108	2800	590	25000	<b>İRA</b>	<b>93 İR 62</b>	267	146
	0,23	0,73	1914	2800	590	25000	<b>İRF</b>		268	156
	0,28	0,87	1601	2800	590	25000				
0,30	0,95	1473	2800	590	25000					
0,33	1,0	1343	2800	590	25000					
0,37	1,2	1183	2800	590	25000					
0,42	1,3	1052	2800	590	25000					
0,47	1,5	941	2800	590	25000					
0,53	1,7	838	2800	590	25000					
0,60	1,9	739	2800	590	25000					


 n<sub>1</sub> = 1400 d/d  
r.p.m

Servis Faktörü Service Factor Betriebsfaktor	S <sub>f</sub> =1 S <sub>r</sub> =1 S <sub>f</sub> =1	P <sub>1</sub>	n <sub>2</sub>	İ	M <sub>2</sub>	F <sub>Q1</sub>	F <sub>Q12</sub>	Tip Type Typ		kg	
		GÜÇ	Çıkış Devri	Tahvil	Çıkış Momenti	Rad. Yük	Rad. Yük				
		Power	Output Speeds	Ratio	Output Torque	Over Loads	Over Loads				
		Leistung	Abtriebswelle Drehzahlen	Übersetzung	Abtriebswelle Drehmomente	Querkräfte	Querkräfte				
		[kW]	[r.p.m]		[Nm]	[N]	[N]				
<b>2800 Nm</b>		0,67	2,1	656	2800	590	25000	İRA İRF	93 İR 62	267	146
		0,75	2,4	587	2800	590	25000				
		0,84	2,7	528	2800	590	25000				
		0,93	2,9	478	2800	590	25000				
		1,0	3,2	434	2800	590	25000				
		1,1	3,5	398	2800	590	25000				
		1,2	3,9	360	2800	590	25000				
		1,3	4,2	330	2800	590	25000				
		1,5	4,6	302	2800	590	25000				
		1,6	5,1	275	2800	590	25000				
		1,8	5,6	251	2800	590	25000				
		1,9	6,1	230	2800	590	25000				
		2,1	6,7	210	2800	590	25000				
		1,38	4,4	315	2800	590	25000	İRA İRF	92 İR 62	267	126
		1,57	5,1	277	2800	590	25000				
		1,77	5,7	247	2800	590	25000				
		1,97	6,3	221	2800	590	25000				
		1,5	4,8	293,46	2800	2500	25000	İRA İRF İRAF	93	246	133
		1,6	5,1	273,73	2800	2500	25000				
		1,8	5,8	240,50	2800	2500	25000				
	2,0	6,6	213,60	2800	2500	25000					
	2,2	7,3	191,38	2800	2500	25000					
	2,5	8,1	172,72	2800	2500	25000					
	2,7	8,9	156,82	2800	2500	25000					
	3,3	11	131,17	2800	2500	25000					
	3,6	12	120,68	2800	2500	25000					
	3,9	13	110,02	2800	2500	25000					
	4,4	14	96,96	2800	2500	25000					
	5,0	16	86,16	2800	2500	25000					
	5,6	18	77,10	2800	2500	25000					
	6,3	20	68,65	2800	2500	25000					
	7,1	23	60,50	2800	2500	25000					
	8,0	26	53,76	2800	2500	25000					
	8,9	29	48,11	2800	2500	25000					
	9,9	32	43,29	2800	2500	25000					
	11,0	36	39,13	2800	2500	25000					
	12,1	39	35,52	2800	2500	25000					
	13,3	43	32,34	2800	2500	25000					
	14,5	47	29,52	2800	2500	25000					
	15,9	52	27,01	2800	2500	25000					
	17,3	57	24,76	2800	2500	25000					
	18,1	60	23,38	2800	2500	20000	İRA İRF İRAF	92	246	163	
	20,5	68	20,60	2800	2500	20000					
	23,1	76	18,31	2800	2500	20000					
	25,8	85	16,38	2800	2500	20000					
	28,7	95	14,74	2800	2500	20000					
	31,8	105	13,32	2800	2500	20000					
	38,4	127	11,01	2800	2500	20000					
	42,1	139	10,05	2800	2500	20000					
	46,0	152	9,20	2800	2500	20000					
	50,9	168	8,31	2800	2500	20000					
	56,1	186	7,54	2800	2500	16000					
	61,6	204	6,87	2800	2500	16000					


 $n_1 = 1400$  d/d  
r.p.m

Servis Faktörü Service Factor Betriebsfaktor	S <sub>f</sub> =1 S <sub>f</sub> =1 S <sub>f</sub> =1	P <sub>1</sub>	n <sub>2</sub>	İ	M <sub>2</sub>	F <sub>Q1</sub>	F <sub>Q2</sub>	Tip Type Typ			kg				
		GÜÇ	Çıkış Devri	Tahvil	Çıkış Momenti	Rad. Yük	Rad. Yük								
		Power	Output Speeds	Ratio	Output Torque	Over Loads	Over Loads								
		Leistung	Abtriebswelle Drehzahlen	Übersetzung	Abtriebswelle Drehmomente	Querkräfte	Querkräfte								
		[kW]	[r.p.m]		[Nm]	[N]	[N]								
<b>2800 Nm</b>		67,5	223	6,27	2800	2500	16000	<b>İRA</b> <b>İRF 92</b> <b>İRAF</b>							
		73,7	244	5,74	2800	2500	16000								
		80,4	266	5,26	2800	2500	16000								
		95,5	316	4,43	2800	2500	16000								
		103,7	343	4,08	2800	2500	16000								
		112,8	373	3,75	2800	2500	16000								
		118,2	391	3,58	2800	2500	16000								
		140,1	464	3,02	2800	2500	16000								
		152,4	504	2,78	2800	2500	16000								
		165,6	548	2,55	2800	2500	16000								
		172,7	571	2,45	2800	2500	16000								
														246	163
														247	173
									248	183					
<b>4300 Nm</b>	0,03	0,06	22099	4300	1200	34000	<b>İRA 103 İR</b> <b>İRF 73</b>								
	0,04	0,07	18788	4300	1200	34000									
	0,04	0,08	16845	4300	1200	34000									
	0,05	0,09	15213	4300	1200	34000									
	0,05	0,10	13823	4300	1200	34000									
	0,05	0,11	12625	4300	1200	34000									
	0,06	0,12	11581	4300	1200	34000									
	0,07	0,14	10325	4300	1200	34000									
	0,08	0,15	9118	4300	1200	34000									
	0,09	0,17	8104	4300	1200	34000									
	0,10	0,19	7241	4300	1200	34000									
	0,11	0,22	6496	4300	1200	34000									
	0,12	0,24	5848	4300	1200	34000									
	0,13	0,27	5278	4300	1200	34000									
	0,14	0,29	4790	4300	1200	34000									
	0,16	0,33	4230	4300	1200	34000									
	0,18	0,37	3760	4300	1200	34000									
	0,21	0,42	3359	4300	1200	34000									
	0,23	0,46	3014	4300	1200	34000									
	0,25	0,52	2713	4300	1200	34000									
	0,28	0,57	2448	4300	1200	34000									
		0,25	0,51	2733	4300	1200						34000			
		0,28	0,58	2413	4300	1200						34000			
		0,32	0,65	2145	4300	1200						34000			
		0,35	0,73	1916	4300	1200						34000			
		0,42	0,86	1635	4300	1200						34000			
		0,47	0,96	1460	4300	1200						34000			
		0,52	1,1	1311	4300	1200						34000			
		0,58	1,2	1180	4300	1200						34000			
		0,62	1,3	1103	4300	1200						34000			
		0,69	1,4	986	4300	1200						34000			
		0,77	1,6	884	4300	1200						34000			
		0,85	1,8	796	4300	1200						34000			
		0,95	1,9	718	4300	1200						34000			
		1,05	2,2	650	4300	1200						34000			
	1,18	2,4	575	4300	1200	34000									
	0,58	1,2	1173	4300	1200	34000									
	0,65	1,3	1046	4300	1200	34000									
	0,74	1,5	923	4300	1200	34000									
	0,83	1,7	821	4300	1200	34000									
	0,93	1,9	733	4300	1200	34000									
									269	215					
									270	218					
									269	208					
									270	211					
									269	213					
									270	216					


 $n_1 = 1400$ 

 d/d  
r.p.m

Servis Faktörü Service Factor Betriebsfaktor	S <sub>f</sub> =1 S <sub>r</sub> =1 S <sub>f</sub> =1	P <sub>1</sub>	n <sub>2</sub>	İ	M <sub>2</sub>	F <sub>Q1</sub>	F <sub>Q2</sub>	Tip Type Typ		kg
		GÜÇ	Çıkış Devri	Tahvil	Çıkış Momenti	Rad. Yük	Rad. Yük			
		Power	Output Speeds	Ratio	Output Torque	Over Loads	Over Loads			
		Leistung	Abtriebswelle Drehzahlen	Übersetzung	Abtriebswelle Drehmomente	Querkräfte	Querkräfte			
		[kW]	[r.p.m]		[Nm]	[N]	[N]			
<b>4300 Nm</b>		1,0	2,1	658	4300	1200	34000			
		1,1	2,4	592	4300	1200	34000			
		1,3	2,6	535	4300	1200	34000			
		1,4	2,9	485	4300	1200	34000			
		1,6	3,3	428	4300	1200	34000	<b>İRA 103</b>	<b>İR</b>	269 213
		1,8	3,7	381	4300	1200	34000	<b>İRF 72</b>		270 216
		2,0	4,1	340	4300	1200	34000			
		2,2	4,6	305	4300	1200	34000			
		2,5	5,1	275	4300	1200	34000			
		2,7	5,6	248	4300	1200	34000			
		2,8	5,9	239	4300	1200	34000			
		3,2	6,6	211	4300	1200	34000	<b>İRA 102</b>	<b>İR</b>	269 206
		3,6	7,4	188	4300	1200	34000	<b>İRF 72</b>		270 209
		4,0	8,3	168	4300	1200	34000			
		2,6	5,5	256,048	4300	3750	30000			
		2,9	6,2	225,112	4300	3750	30000			
		3,2	6,7	207,689	4300	3750	30000			
		3,6	7,6	184,584	4300	3750	30000			
		4,0	8,5	165,496	4300	3750	30000			
		4,7	10	140,701	4300	3750	30000			
		5,2	11	126,151	4300	3750	30000			
		5,8	12	113,930	4300	3750	30000			
		6,4	14	103,519	4300	3750	30000			
		7,0	15	94,544	4300	3750	30000			
		7,6	16	86,727	4300	3750	30000			
		8,5	18	77,321	4300	3750	30000			
		9,7	21	68,283	4300	3750	30000	<b>İRA</b>		249 207
		10,9	23	60,691	4300	3750	30000	<b>İRF 103</b>		250 210
		12,2	26	54,223	4300	3750	30000	<b>İRAF</b>		251 232
		13,6	29	48,648	4300	3750	30000			
		15,1	32	43,792	4300	3750	30000			
		16,7	35	39,525	4300	3750	30000			
		18,4	39	35,870	4300	3750	30000			
		20,8	44	31,677	4300	3750	30000			
	23,4	50	28,155	4300	3750	30000				
	26,2	56	25,155	4300	3750	30000				
	29,2	62	22,568	4300	3750	30000				
	32,5	69	20,316	4300	3750	30000				
	36,0	76	18,336	4300	3750	30000				
	39,8	84	16,582	4300	3750	30000				
	43,9	93	15,019	4300	3750	30000				
	36,7	79	17,692	4300	3750	25000				
	41,6	90	15,624	4300	3750	25000				
	46,8	101	13,887	4300	3750	25000				
	52,4	113	12,407	4300	3750	25000				
	61,4	132	10,585	4300	3750	25000				
	68,7	148	9,457	4300	3750	25000	<b>İRA</b>		249 200	
	76,6	165	8,485	4300	3750	25000	<b>İRF 102</b>		250 203	
	85,1	183	7,638	4300	3750	25000	<b>İRAF</b>		251 225	
	90,9	196	7,144	4300	3750	25000				
	101,8	219	6,382	4300	3750	25000				
	113,5	244	5,726	4300	3750	25000				
	126,1	272	5,154	4300	3750	21000				




 n<sub>1</sub> = 1400 d/d  
r.p.m

Servis Faktörü Service Factor Betriebsfaktor	S <sub>f</sub> =1 S <sub>f</sub> =1 S <sub>f</sub> =1	P <sub>1</sub>	n <sub>2</sub>	İ	M <sub>2</sub>	F <sub>Q1</sub>	F <sub>Q2</sub>	Tip Type Typ			kg			
		GÜÇ	Çıkış Devri	Tahvil	Çıkış Momenti	Rad. Yük	Rad. Yük							
		Power	Output Speeds	Ratio	Output Torque	Over Loads	Over Loads							
		Leistung	Abtriebswelle Drehzahlen	Übersetzung	Abtriebswelle Drehmomente	Querkräfte	Querkräfte							
		[kW]	[r.p.m]		[Nm]	[N]	[N]							
<b>4300 Nm</b>		139,7	301	4,652	4300	3750	21000	<b>İRA İRF 102 İRAF</b>						
		154,4	333	4,207	4300	3750	21000							
		174,5	376	3,723	4300	3750	21000							
		193,4	417	3,360	4300	3750	21000							
		213,8	461	3,039	4300	3750	21000							
		236,1	509	2,752	4300	3750	19000							
		260,4	561	2,495	4300	3750	19000							
		287,1	619	2,263	4300	3750	19000							
													249	200
													250	203
								251	225					
<b>8000 Nm</b>	0,04	0,04	32309	8000	1200	52000	<b>İRA İRF 123 İR 73</b>							
	0,04	0,05	28749	8000	1200	52000								
	0,05	0,05	25807	8000	1200	52000								
	0,06	0,06	23337	8000	1200	52000								
	0,07	0,07	18918	8000	1200	52000								
	0,07	0,08	17260	8000	1200	52000								
	0,08	0,09	15494	8000	1200	52000								
	0,10	0,10	13395	8000	1200	52000								
	0,11	0,12	12113	8000	1200	52000								
	0,11	0,13	11190	8000	1200	52000								
	0,13	0,14	10209	8000	1200	52000								
	0,14	0,15	9165	8000	1200	52000								
	0,15	0,17	8288	8000	1200	52000								
	0,16	0,18	7928	8000	1200	52000								
	0,20	0,22	6426	8000	1200	52000								
	0,22	0,24	5863	8000	1200	52000								
	0,24	0,27	5263	8000	1200	52000								
	0,27	0,29	4759	8000	1200	52000								
	0,32	0,35	3975	8000	1200	52000								
	0,37	0,40	3498	8000	1200	52000								
	0,41	0,45	3104	8000	1200	52000								
	0,46	0,50	2773	8000	1200	52000								
		0,31	0,34	4059	8000	1200						52000		
		0,34	0,38	3671	8000	1200						52000		
		0,36	0,40	3509	8000	1200						52000		
		0,40	0,44	3173	8000	1200						52000		
		0,48	0,53	2650	8000	1200						52000		
		0,53	0,58	2399	8000	1200						52000		
		0,58	0,65	2170	8000	1200						52000		
		0,70	0,77	1812	8000	1200						52000		
		0,79	0,88	1594	8000	1200						52000		
		0,92	1,0	1379	8000	1200						52000		
	1,01	1,1	1247	8000	1200	52000								
	1,2	1,3	1042	8000	1200	52000								
	1,4	1,5	916	8000	1200	52000								
	1,6	1,7	813	8000	1200	52000								
	1,7	1,9	726	8000	1200	52000								
	1,9	2,1	652	8000	1200	52000								
	2,1	2,3	603	8000	1200	52000								
	0,45	0,49	2829	8000	1200	52000								
	0,50	0,56	2517	8000	1200	52000								
	0,56	0,62	2260	8000	1200	52000								
	0,62	0,69	2043	8000	1200	52000								
	0,76	0,84	1657	8000	1200	52000								
	0,84	0,93	1511	8000	1200	52000								
								271	334					
								272	336					
								271	332					
								272	334					




 $n_1 = 1400$ 



 d/d  
r.p.m

Servis Faktörü Service Factor Betriebsfaktor	S <sub>f</sub> =1 S <sub>f</sub> =1 S <sub>f</sub> =1	P <sub>1</sub>	n <sub>2</sub>	İ	M <sub>2</sub>	F <sub>Q1</sub>	F <sub>Q2</sub>	Tip Type Typ	 	kg	
		GÜÇ	Çıkış Devri	Tahvil	Çıkış Momenti	Rad. Yük	Rad. Yük				
		Power	Output Speeds	Ratio	Output Torque	Over Loads	Over Loads				
		Leistung	Abtriebswelle Drehzahlen	Übersetzung	Abtriebswelle Drehmomente	Querkräfte	Querkräfte				
		[kW]	[r.p.m]		[Nm]	[N]	[N]				
<b>8000 Nm</b>		0,93	1,0	1357	8000	1200	52000				
		1,0	1,1	1227	8000	1200	52000				
		1,2	1,4	1025	8000	1200	52000				
		1,4	1,6	902	8000	1200	52000				
		1,6	1,8	800	8000	1200	52000				
		1,8	2,0	715	8000	1200	52000				
		2,0	2,2	642	8000	1200	52000				
		2,2	2,4	579	8000	1200	52000				
		2,3	2,5	550	8000	1200	52000				
		2,6	2,9	488	8000	1200	52000				
		2,9	3,2	436	8000	1200	52000	İRA	123 İR 72	271	332
		3,2	3,6	392	8000	1200	52000	İRF		272	334
		3,6	4,0	354	8000	1200	52000				
		4,0	4,4	320	8000	1200	52000				
		4,3	4,8	291	8000	1200	52000				
		4,8	5,3	265	8000	1200	52000				
		5,2	5,8	242	8000	1200	52000				
		5,7	6,3	221	8000	1200	52000				
		6,3	7,0	201	8000	1200	52000				
		6,9	7,7	183	8000	1200	52000				
	7,6	8,4	167	8000	1200	52000					
	3,7	4,2	335	8000	1200	52000					
	3,9	4,4	321	8000	1200	52000					
	4,6	5,2	268	8000	1200	52000					
	5,3	5,9	236	8000	1200	52000	İRA	122 İR 72		271	326
	5,9	6,7	210	8000	1200	52000	İRF			272	328
	6,7	7,5	187	8000	1200	52000					
	7,4	8,3	168	8000	1200	52000					
	8,0	9,0	155	8000	1200	52000					
	5,9	6,7	209,172	8000	3750	41000					
	6,6	7,5	186,123	8000	3750	41000					
	7,3	8,4	167,082	8000	3750	41000					
	8,1	9,3	151,088	8000	3750	41000					
	10,0	11	122,480	8000	3750	41000					
	11,0	13	111,746	8000	3750	41000					
	12,2	14	100,314	8000	3750	41000					
	13,5	15	90,712	8000	3750	41000					
	16,2	18	75,766	8000	3750	41000					
	18,4	21	66,672	8000	3750	41000					
	20,7	24	59,160	8000	3750	39700	İRA	123	252	323	
	23,2	26	52,849	8000	3750	39700	İRF		253	325	
	25,8	29	47,474	8000	3750	39700	İRAF		254	353	
	28,6	33	42,840	8000	3750	39700					
	30,2	34	40,700	8000	3750	39700					
	34,0	39	36,114	8000	3750	39700					
	38,0	43	32,262	8000	3750	39700					
	42,3	48	28,980	8000	3750	39700					
	46,9	54	26,151	8000	3750	39700					
	51,8	59	23,687	8000	3750	39700					
	57,0	65	21,522	8000	3750	39700					
	62,6	71	19,604	8000	3750	39700					
	68,6	78	17,894	8000	3750	39700					




**n<sub>1</sub> = 1400** d/d  
r.p.m

Servis Faktörü Service Factor Betriebsfaktor	S <sub>f</sub> =1 S <sub>f</sub> =1 S <sub>f</sub> =1	P <sub>1</sub>	n <sub>2</sub>	İ	M <sub>2</sub>	F <sub>Q1</sub>	F <sub>Q2</sub>	Tip Type Typ			kg
		GÜÇ	Çıkış Devri	Tahvil	Çıkış Momenti	Rad. Yük	Rad. Yük				
		Power	Output Speeds	Ratio	Output Torque	Over Loads	Over Loads				
		Leistung	Abtriebswelle Drehzahlen	Übersetzung	Abtriebswelle Drehmomente	Querkräfte	Querkräfte				
		[kW]	[r.p.m]		[Nm]	[N]	[N]				
<b>8000 Nm</b>		46,0	53	26,282	8000	3750	45000				
		50,9	59	23,766	8000	3750	45000				
		60,9	71	19,850	8000	3750	45000				
		69,2	80	17,468	8000	3750	45000				
		78,0	90	15,500	8000	3750	45000				
		87,3	101	13,846	8000	3750	45000				
		97,2	113	12,438	8000	3750	45000				
		105,2	122	11,495	8000	3750	45000				
		118,5	137	10,200	8000	3750	45000				
		132,7	154	9,112	8000	3750	45000	<b>İRA</b>	252	344	
		147,7	171	8,185	8000	3750	45000	<b>İRF 122</b>	253	346	
		156,5	181	7,724	8000	3750	45000	<b>İRAF</b>	254	374	
		174,2	202	6,938	8000	3750	45000				
		193,1	224	6,261	8000	3750	45000				
		213,1	247	5,671	8000	3750	45000				
		234,6	272	5,153	8000	3750	45000				
		257,5	298	4,694	8000	3750	45000				
		282,2	327	4,284	8000	3750	45000				
		308,6	357	3,917	8000	3750	45000				
		337,2	391	3,585	8000	3750	45000				
	368,1	426	3,284	8000	3750	45000					
<b>10500 Nm</b>		0,41	0,34	4099,41	10500	590	69000				
		0,49	0,40	3469,26	10500	590	69000				
		0,54	0,45	3097,86	10500	590	69000				
		0,66	0,55	2552,42	10500	590	69000				
		0,71	0,59	2390,20	10500	590	69000				
		0,81	0,67	2076,56	10500	590	69000				
		0,84	0,70	2005,04	10500	590	69000				
		0,94	0,78	1790,46	10500	590	69000				
		1,00	0,83	1690,37	10500	590	69000				
		1,1	0,93	1509,47	10500	590	69000	<b>İRA 151 İR</b>	273	487	
		1,2	1,0	1444,14	10500	590	69000	<b>İRF 63</b>	273	485	
		1,3	1,1	1289,63	10500	590	69000				
		1,3	1,1	1289,59	10500	590	69000				
		1,6	1,3	1049,16	10500	590	69000				
		1,7	1,5	963,50	10500	590	69000				
		1,9	1,6	868,43	10500	590	69000				
		2,0	1,6	860,38	10500	590	69000				
		2,4	2,0	699,98	10500	590	69000				
		3,6	3,0	471,36	10500	590	69000				
		2,1	1,7	808,20	10500	590	69000	<b>İRA 151 İR</b>	273	486	
		2,5	2,1	665,88	10500	590	69000	<b>İRF 62</b>	273	484	
		2,9	2,4	571,65	10500	590	69000				
		3,4	2,9	489,45	10500	590	69000				
		2,9	2,4	586,63	10500	1200	69000				
		3,5	2,9	485,57	10500	1200	69000	<b>İRA 151 İR</b>	274	508	
		3,9	3,2	436,68	10500	1200	69000	<b>İRF 73</b>	274	510	
		4,7	3,9	359,13	10500	1200	69000				
		5,5	4,6	306,48	10500	1200	69000				
		1,6	1,4	1012,06	10500	1200	69000	<b>İRA 151 İR</b>	274	506	
		2,1	1,7	807,34	10500	1200	69000	<b>İRF 72</b>	274	508	
	2,2	1,9	747,36	10500	1200	69000					



**n<sub>1</sub> = 1400**
**d/d  
r.p.m**

Servis Faktörü Service Factor Betriebsfaktor	S <sub>f</sub> =1 S <sub>f</sub> =1 S <sub>f</sub> =1	P <sub>1</sub>	n <sub>2</sub>	İ	M <sub>2</sub>	F <sub>Q1</sub>	F <sub>Q12</sub>	Tip Type Typ	 	kg
		GÜÇ	Çıkış Devri	Tahvil	Çıkış Momenti	Rad. Yük	Rad. Yük			
		Power	Output Speeds	Ratio	Output Torque	Over Loads	Over Loads			
		Leistung	Abtriebswelle Drehzahlen	Übersetzung	Abtriebswelle Drehmomente	Querkräfte	Querkräfte			
		[kW]	[r.p.m]		[Nm]	[N]	[N]			
<b>10500 Nm</b>		2,3	1,9	735,26	10500	1200	69000	<b>İRA 151 İRF 72</b>	274	506
		2,8	2,4	586,53	10500	1200	69000			
		3,4	2,9	485,49	10500	1200	69000			
		4,1	3,5	403,65	10500	1200	69000			
		4,4	3,7	376,84	10500	1200	69000			
		6,0	5,0	278,72	10500	1200	69000			
		6,8	5,7	244,45	10500	1200	69000	<b>İRA 151 İRF 82</b>	275	543
		2,8	2,4	590,59	10500	1550	69000			
		3,5	2,9	479,79	10500	1550	69000			
		3,8	3,2	431,48	10500	1550	69000			
		3,9	3,3	429,06	10500	1550	69000			
		4,7	3,9	355,15	10500	1550	69000			
		5,7	4,8	292,73	10500	1550	69000			
		5,7	4,8	288,93	10500	1550	69000			
	6,8	5,7	244,27	10500	1550	69000	<b>İRA 151 İRF 151</b>	255	488	
	8,2	6,9	201,67	10500	1550	69000				
<b>9240-10400 Nm</b>		15,8	15	90,36	9300	5000				60000
		21,2	21	67,16	9300	5000				60000
		23,8	23	59,97	9300	5000				60000
		29,1	29	48,79	9250	5000				60000
		39,5	35	40,39	10400	5000				60000
		43,5	39	36,32	10300	5000				60000
		48,1	43	32,85	10300	5000				60000
		52,9	47	29,87	10300	5000				60000
		58,5	51	27,27	10400	5000	60000			
		63,6	56	24,83	10300	5000	60000			
		69,7	62	22,67	10300	5000	60000			
		76,1	67	20,77	10300	5000	60000			
		82,8	73	19,08	10300	5000	60000			
		83,7	75	18,79	10250	5000	60000			
		92,5	82	17,00	10250	5000	60000			
		105,3	93	15,00	10300	5000	60000			
	119,1	106	13,20	10250	5000	60000				
	140,2	123	11,38	10400	5000	60000				
<b>18330 Nm</b>		17	8,5	165,41	18330	6000	85000	<b>İRA 181 İRF 181</b>	256	980
		19	9,6	145,39	18330	6000	85000			
		23	11	121,76	18330	6000	85000			
		37	19	75,30	18330	6000	85000			
		41	21	67,93	18330	6000	85000			
		61	31	45,73	18330	6000	85000			
		74	37	37,96	18330	6000	85000			
		82	41	34,32	18330	6000	85000			
		99	49	28,45	18330	6000	85000			
		108	54	26,05	18330	6000	85000			
		130	65	21,69	18330	6000	85000			
		153	76	18,34	18330	6000	85000			
		181	90	15,54	18330	6000	85000			
		215	107	13,09	18330	6000	85000			


 n<sub>1</sub> = 900 d/d  
r.p.m

Servis Faktörü Service Factor Betriebsfaktor	S <sub>f</sub> =1 S <sub>f</sub> =1 S <sub>f</sub> =1	P <sub>1</sub>	n <sub>2</sub>	İ	M <sub>2</sub>	F <sub>Q1</sub>	F <sub>Q12</sub>	Tip Type Typ			kg	
		GÜÇ	Çıkış Devri	Tahvil	Çıkış Momenti	Rad. Yük	Rad. Yük					
		Power	Output Speeds	Ratio	Output Torque	Over Loads	Over Loads					
		Leistung	Abtriebswelle Drehzahlen	Übersetzung	Abtriebswelle Drehmomente	Querkräfte	Querkräfte					
		[kW]	[r.p.m]		[Nm]	[N]	[N]					
<b>85 Nm</b>		0,16	17	53,331	85	390	2100	<b>İRA</b> <b>İRF 43</b> <b>İRAF</b>			225	9
		0,18	19	46,977	85	390	2100				226	10
											227	10
<b>150 Nm</b>		0,14	8,5	105,66	150	475	4250	<b>İRA</b> <b>İRF 53</b> <b>İRAF</b>			228	11
		0,17	10	88,98	150	475	4250				229	11
		0,19	12	77,16	150	475	4250				230	13
<b>300 Nm</b>		0,23	7,0	127,94	300	590	4500	<b>İRA</b> <b>İRF 631</b> <b>İRAF</b>			231	19
		0,25	7,5	119,40	300	590	4500				232	19
		0,31	9,3	96,27	300	590	4500				233	21
		0,34	10	87,81	300	590	4500					
<b>410 Nm</b>		0,32	7,0	127,94	410	590	7300	<b>İRA</b> <b>İRF 63</b> <b>İRAF</b>			234	19
		0,34	7,5	119,40	410	590	7300				235	19
		0,42	9,3	96,27	410	590	7300				236	21
		0,46	10	87,81	410	590	7300					
<b>600 Nm</b>		0,39	5,9	152,090	600	1000	10100	<b>İRA</b> <b>İRF 731</b> <b>İRAF</b>			237	40
		0,44	6,7	134,933	600	1000	10100				238	43
		0,51	7,7	116,652	600	1000	10100				239	46
		0,59	8,9	100,847	600	1000	10100					
<b>870 Nm</b>		0,56	5,8	154,46	870	1200	12100	<b>İRA</b> <b>İRF 73</b> <b>İRAF</b>			240	41
		0,64	6,7	133,53	870	1200	12100				241	44
		0,83	8,7	103,60	870	1200	12100				242	47
		0,94	10	91,36	870	1200	12100					
<b>1500 Nm</b>		0,59	3,6	250,50	1500	1550	17500	<b>İRA</b> <b>İRF 83</b> <b>İRAF</b>			243	84
		0,67	4,1	221,16	1500	1550	17500				244	83
		0,71	4,3	208,58	1500	1550	17500				245	90
		0,79	4,8	186,71	1500	1550	17500					
		0,88	5,3	168,34	1500	1550	17500					
<b>2800 Nm</b>		0,94	3,1	293,46	2800	2500	25000	<b>İRA</b> <b>İRF 93</b> <b>İRAF</b>			246	155
		1,0	3,3	273,73	2800	2500	25000				247	155
		1,1	3,7	240,50	2800	2500	25000				248	157
		1,3	4,2	213,60	2800	2500	25000					
<b>4300 Nm</b>		1,7	3,5	256,04	4300	3750	34000	<b>İRA</b> <b>İRF 103</b> <b>İRAF</b>			249	207
		1,9	4,0	225,11	4300	3750	34000				250	210
		2,0	4,3	207,68	4300	3750	34000				251	232
		2,3	4,9	184,58	4300	3750	34000					
		2,6	5,4	165,49	4300	3750	34000					
		3,0	6,4	140,70	4300	3750	34000					
		3,4	7,1	126,15	4300	3750	34000					
<b>8000 Nm</b>		4,2	4,8	186,123	8000	3750	45000	<b>İRA</b> <b>İRF 123</b> <b>İRAF</b>			252	323
		4,7	5,4	167,082	8000	3750	45000				253	325
		5,2	6,0	151,088	8000	3750	45000				254	353
		6,4	7,3	122,480	8000	3750	45000					
		7,1	8,1	111,746	8000	3750	45000					
		7,9	9,0	100,314	8000	3750	45000					
		8,7	10	90,712	8000	3750	45000					
		10,4	12	75,766	8000	3750	45000					
<b>10500 Nm</b>		0,26	0,22	4099,41	10500	590	69000	<b>İRA</b> <b>İRF 63</b> <b>İRAF</b>			273	487
		0,42	0,35	2552,42	10500	590	69000				273	485
		0,61	0,50	1790,46	10500	590	69000					
		0,88	0,73	1228,05	10500	590	69000					
		1,1	0,89	1016,50	10500	590	69000					

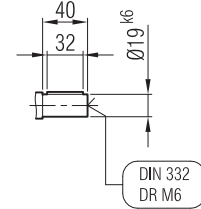
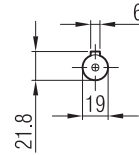
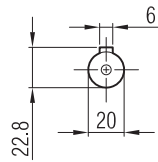
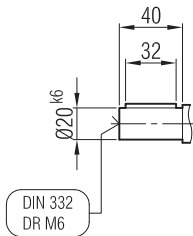
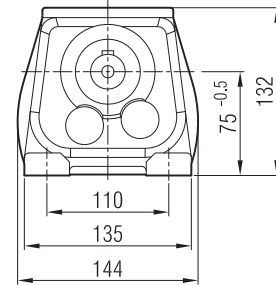
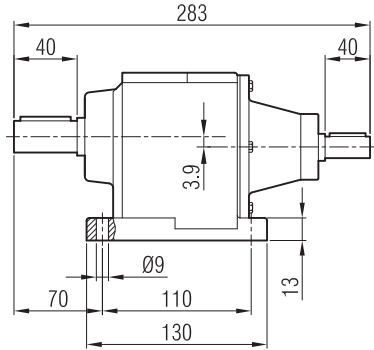


		<b>n<sub>1</sub> = 700</b>						<b>d/d</b>		
								<b>r.p.m</b>		
Servis Faktörü Service Factor Betriebsfaktor	S <sub>f</sub> =1 S <sub>f</sub> =1 S <sub>f</sub> =1	P <sub>1</sub>	n <sub>2</sub>	İ	M <sub>2</sub>	F <sub>Q1</sub>	F <sub>Q2</sub>	Tip Type Typ		kg
		GÜÇ	Çıkış Devri	Tahvil	Çıkış Momenti	Rad. Yük	Rad. Yük			
		Power	Output Speeds	Ratio	Output Torque	Over Loads	Over Loads			
		Leistung	Abtriebswelle Drehzahlen	Übersetzung	Abtriebswelle Drehmomente	Querkräfte	Querkräfte			
		[kW]	[r.p.m]		[Nm]	[N]	[N]			
<b>600 Nm</b>	0,30	4,6	152,090	600	1000	10100	<b>İRA</b> <b>İRF 731</b> <b>İRAF</b>	237	40	
	0,34	5,2	134,933	600	1000	10100		238	43	
								239	46	
<b>1500 Nm</b>	0,46	2,8	250,50	1500	1550	17500	<b>İRA</b> <b>İRF 83</b> <b>İRAF</b>	243	84	
	0,52	3,2	221,16	1500	1550	17500		244	83	
	0,55	3,4	208,58	1500	1550	17500		245	90	
<b>2800 Nm</b>	0,73	2,4	293,46	2800	2500	25000	<b>İRA</b> <b>İRF 93</b> <b>İRAF</b>	246	155	
	0,78	2,6	273,73	2800	2500	25000		247	155	
	0,89	2,9	240,50	2800	2500	25000		248	157	
<b>4300 Nm</b>	1,3	2,7	256,04	4300	3750	34000	<b>İRA</b> <b>İRF 103</b> <b>İRAF</b>	249	207	
	1,5	3,1	225,11	4300	3750	34000				
	1,6	3,4	207,68	4300	3750	34000				
	1,8	3,8	184,58	4300	3750	34000				
	2,0	4,2	165,49	4300	3750	34000				
	2,3	5,0	140,70	4300	3750	34000				
<b>8000 Nm</b>	3,3	3,8	186,123	8000	3750	45000	<b>İRA</b> <b>İRF 123</b> <b>İRAF</b>	252	323	
	3,7	4,2	167,082	8000	3750	45000				
	4,1	4,6	151,088	8000	3750	45000				
	5,0	5,7	122,480	8000	3750	45000				
	5,5	6,3	111,746	8000	3750	45000				
	6,1	7,0	100,314	8000	3750	45000				
	6,8	7,7	90,712	8000	3750	45000				
	8,1	9,2	75,766	8000	3750	45000				
<b>10500 Nm</b>	0,13	0,11	6466,41	10500	590	69000	<b>İRA 151 İR</b> <b>İRF 63</b>	273	487	
	0,18	0,15	4766,77	10500	590	69000				
	0,20	0,16	4256,64	10500	590	69000				
	0,23	0,19	3660,46	10500	590	69000				
	0,29	0,24	2858,32	10500	590	69000				
	0,39	0,33	2144,03	10500	590	69000				
	0,41	0,34	2076,56	10500	590	69000				
	0,48	0,40	1743,35	10500	590	69000				
	0,65	0,54	1298,44	10500	590	69000				
	0,70	0,58	1205,72	10500	590	69000				



**İRA 42**

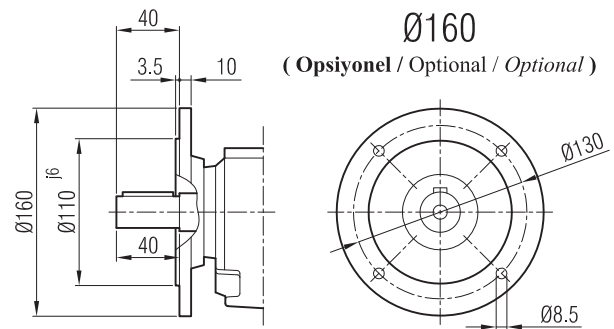
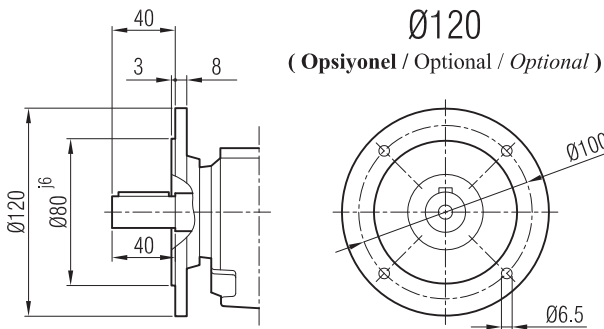
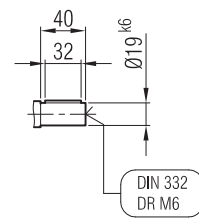
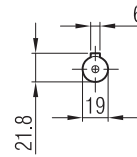
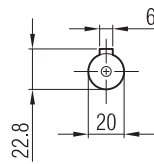
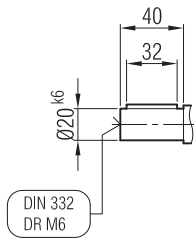
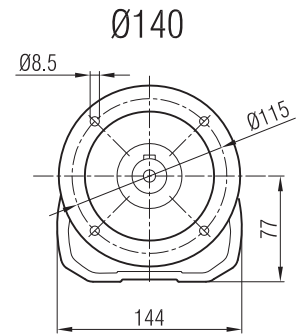
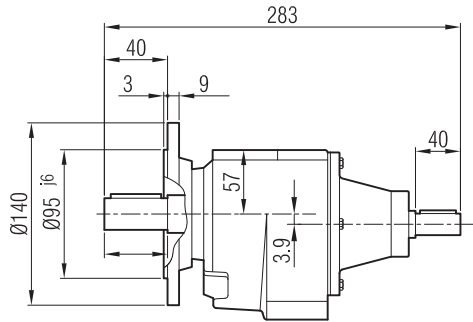
**İRA 43**





İRF 42

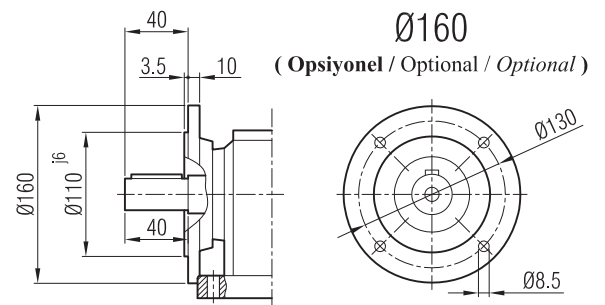
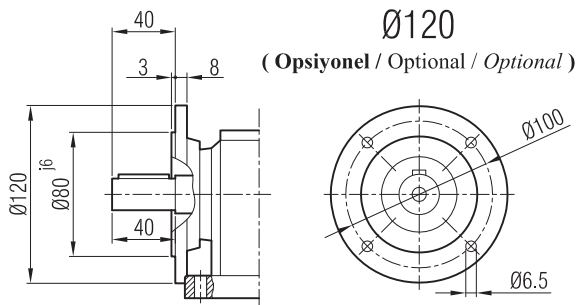
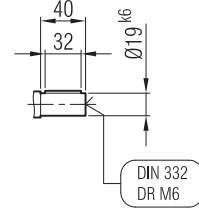
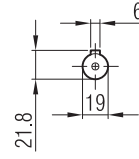
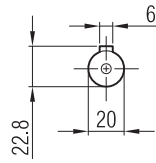
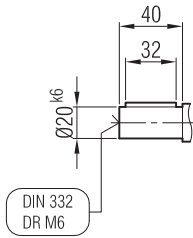
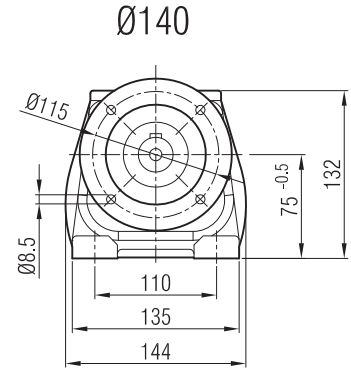
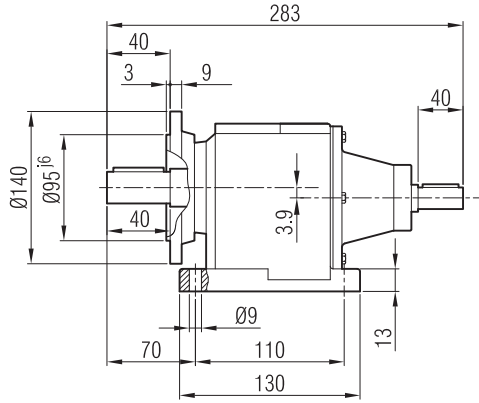
İRF 43





## İRAF 42

## İRAF 43

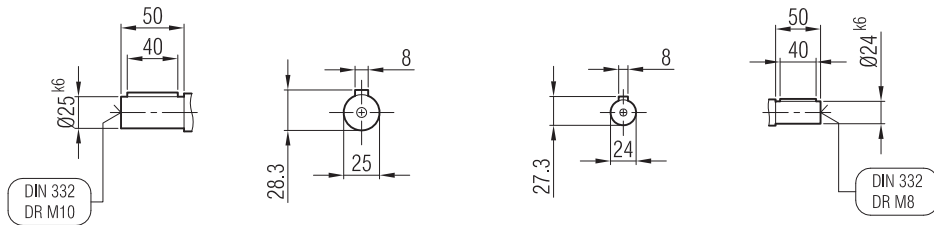
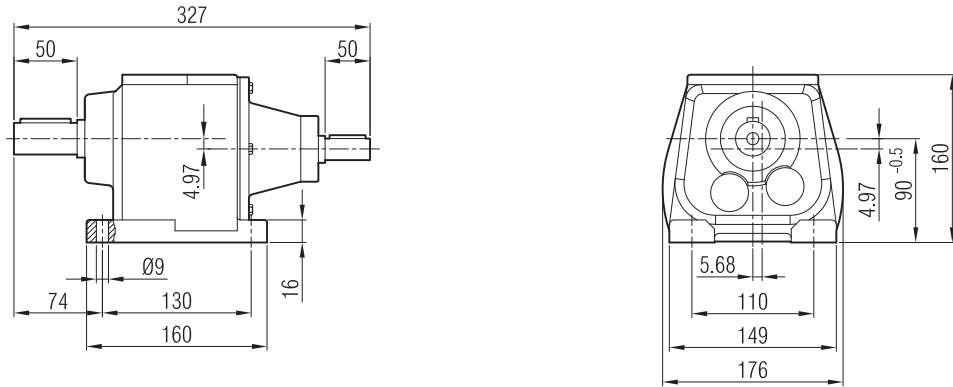






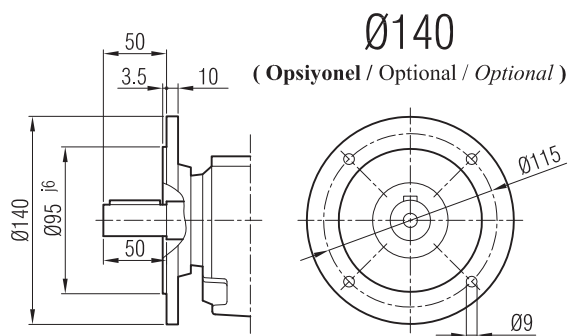
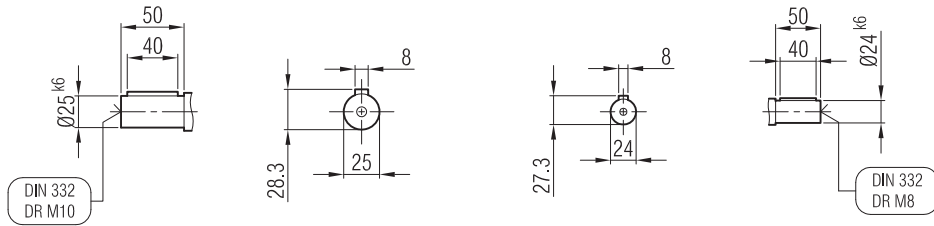
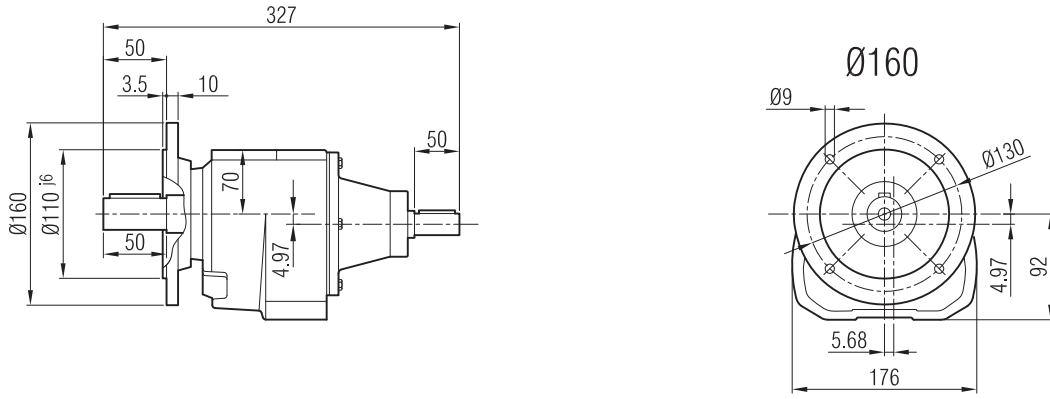
**İRA 52**

**İRA 53**





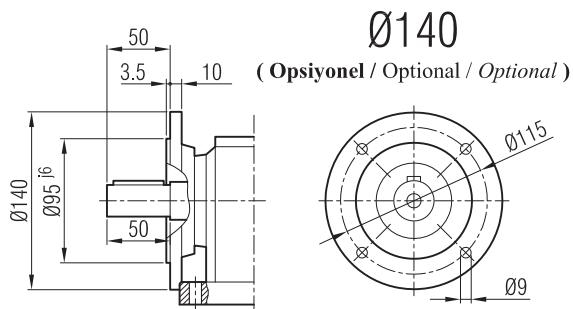
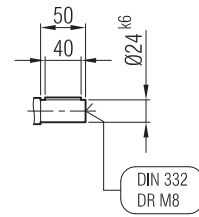
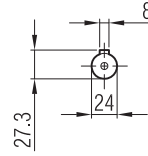
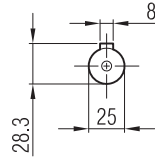
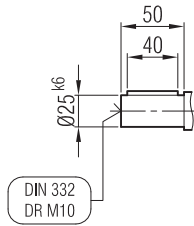
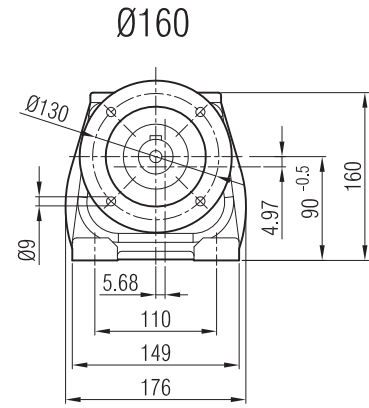
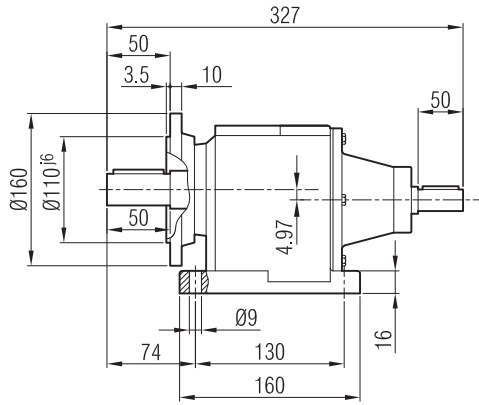
**İRF 52**  
**İRF 53**





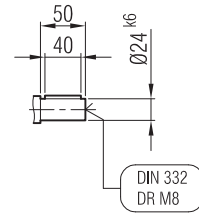
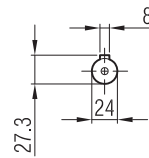
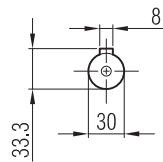
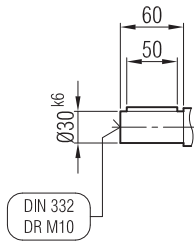
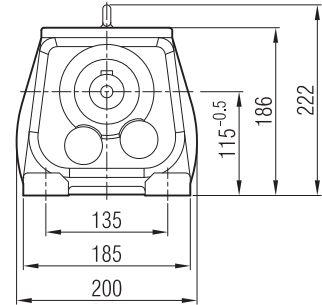
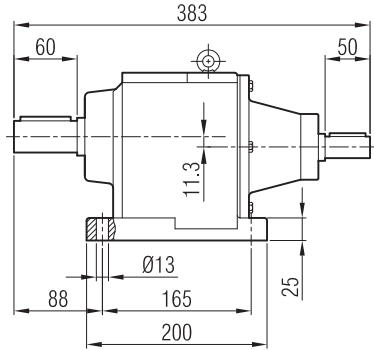
## İRAF 52

## İRAF 53





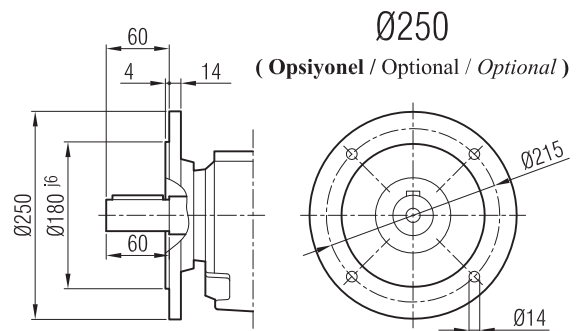
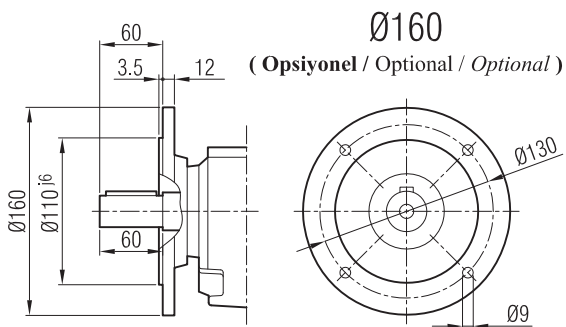
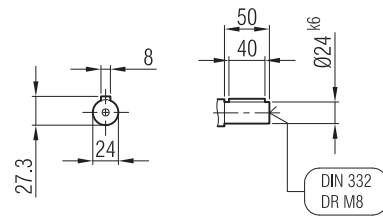
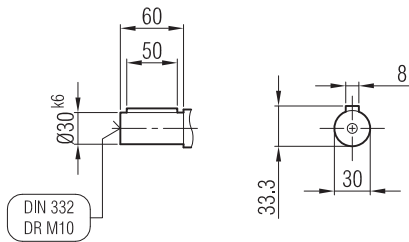
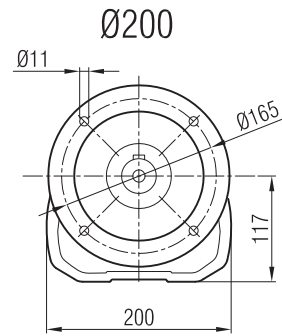
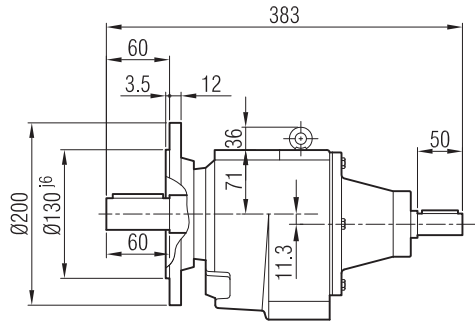
**İRA 621**  
**İRA 631**





**İRF 621**

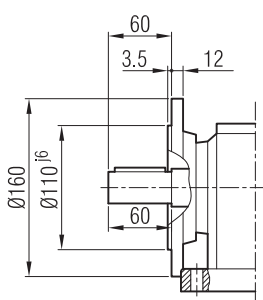
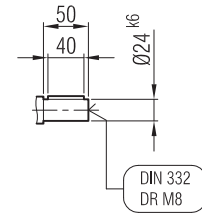
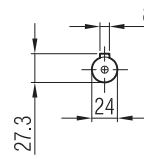
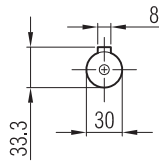
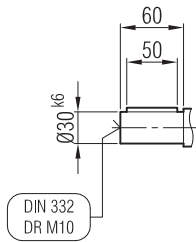
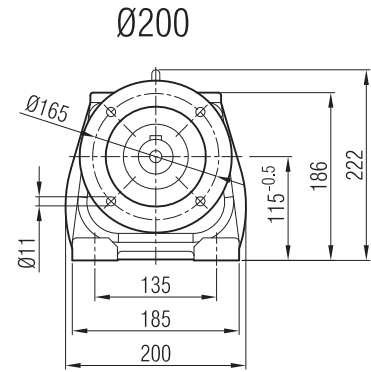
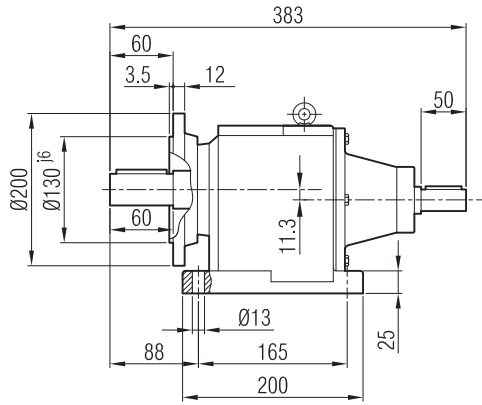
**İRF 631**



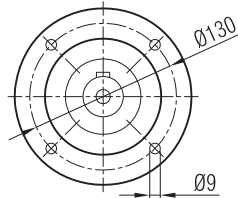


İRAF 621

İRAF 631



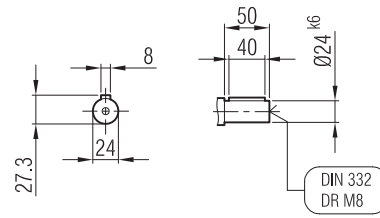
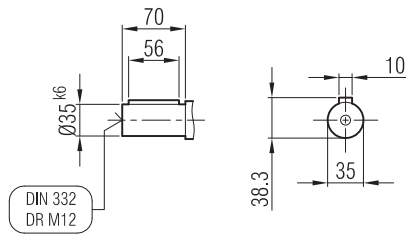
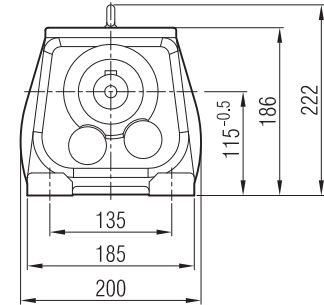
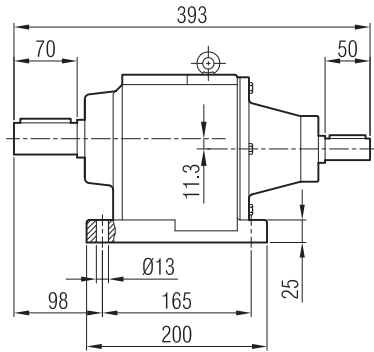
**Ø160**  
( Opsiyonel / Optional / Optional )





**İRA 62**

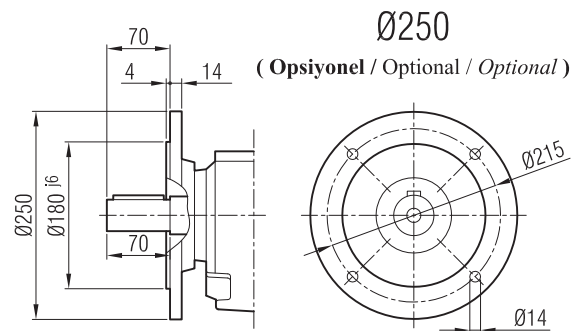
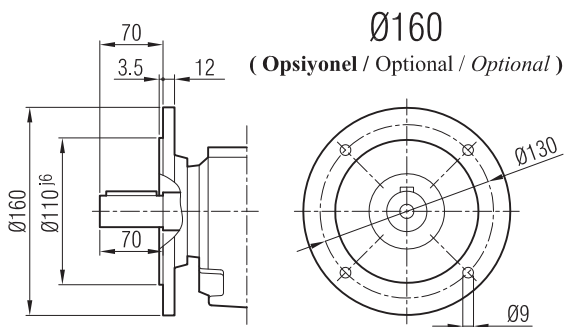
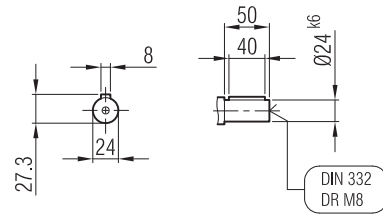
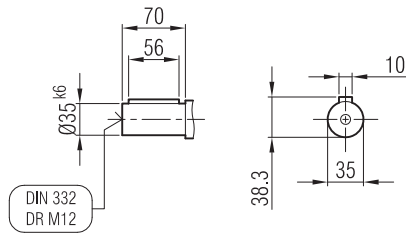
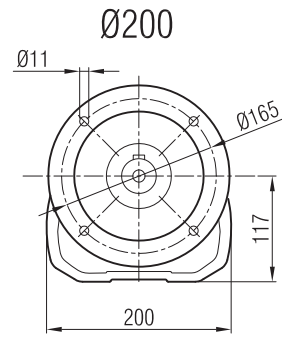
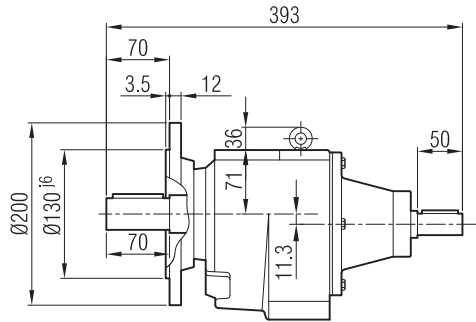
**İRA 63**





**İRF 62**

**İRF 63**

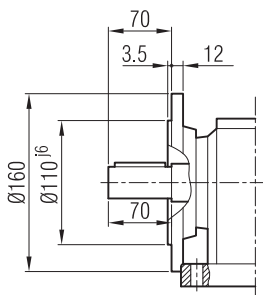
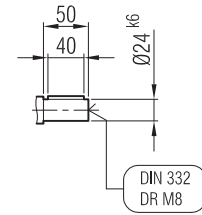
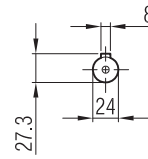
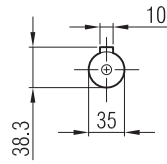
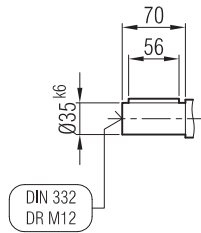
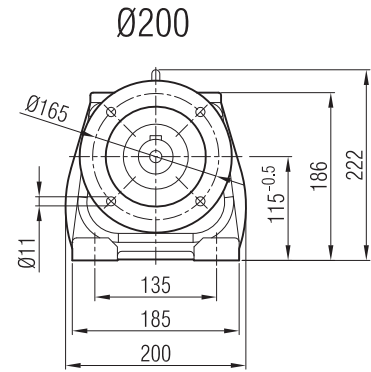
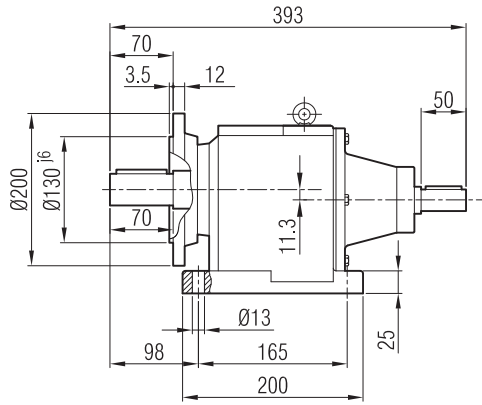




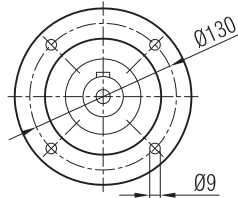


## İRAF 62

## İRAF 63



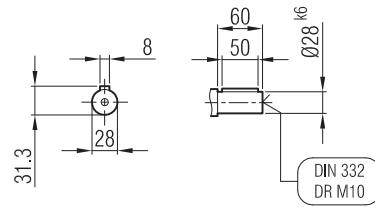
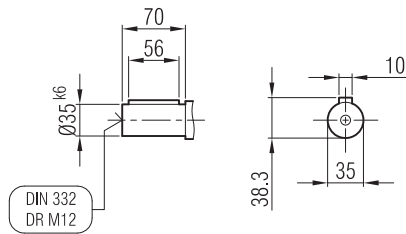
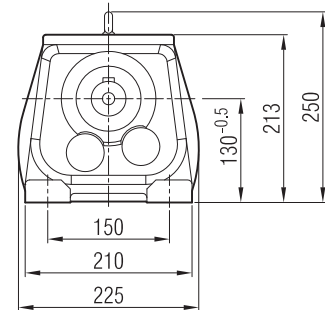
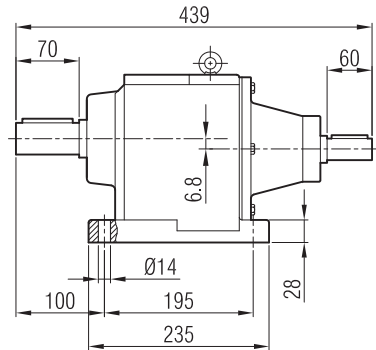
**Ø160**  
( Opsiyonel / Optional / Optional )





**İRA 721**

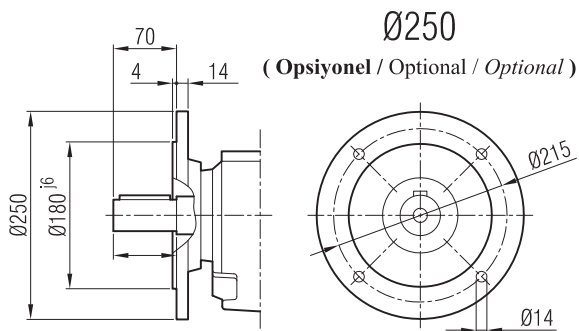
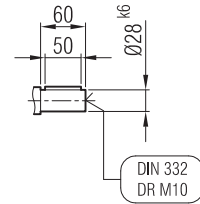
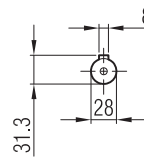
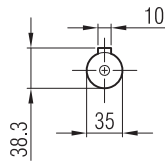
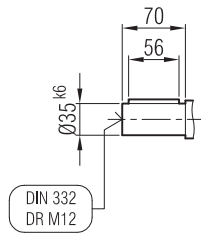
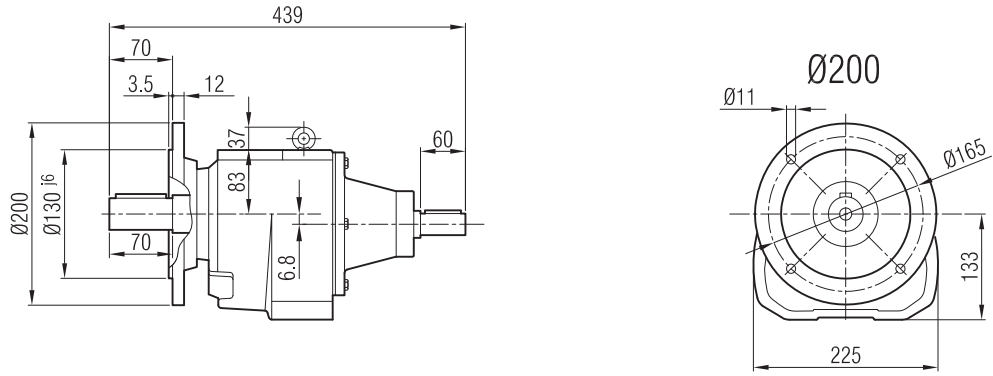
**İRA 731**





**İRF 721**

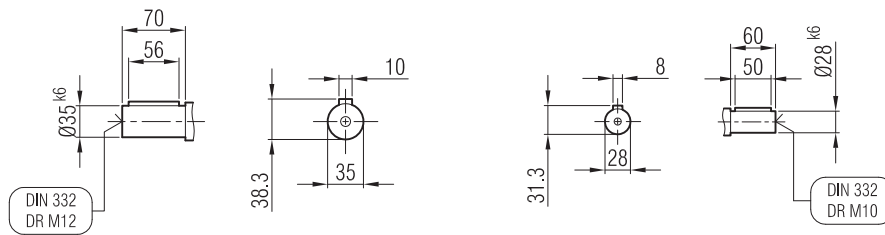
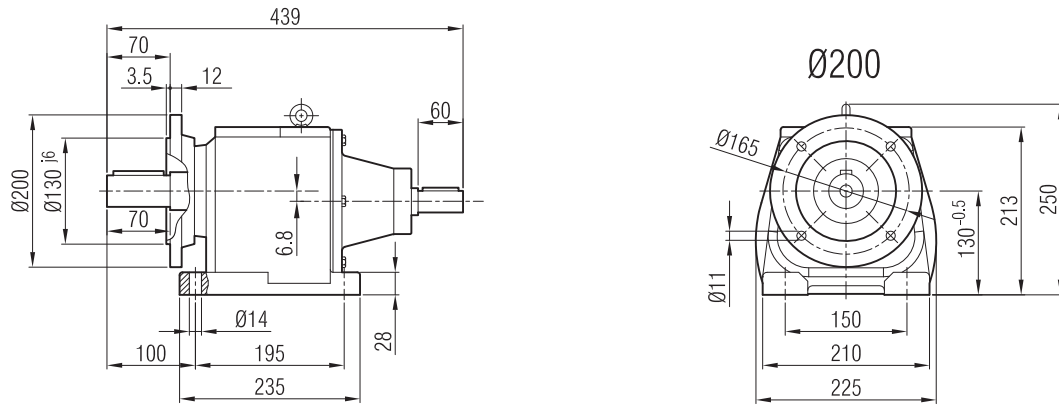
**İRF 731**





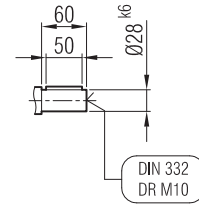
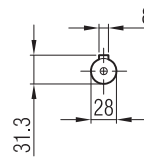
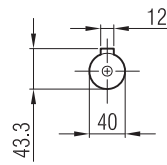
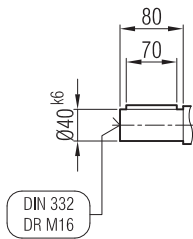
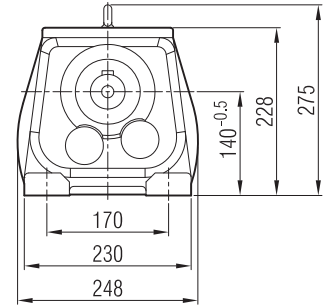
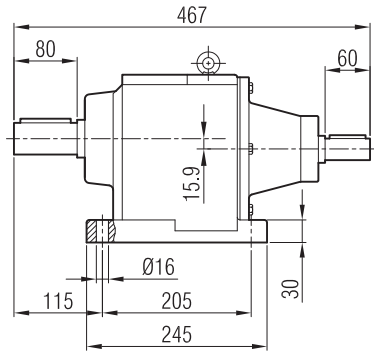
**İRAF 721**

**İRAF 731**





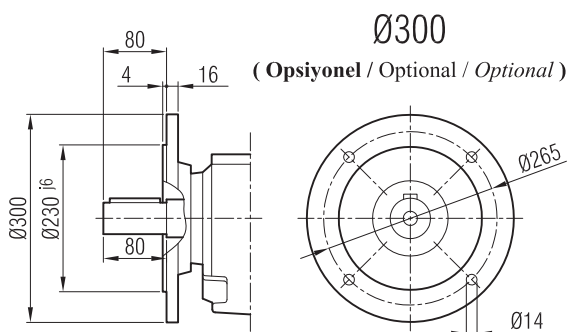
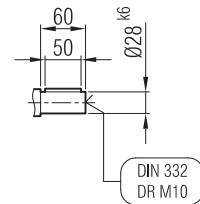
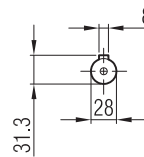
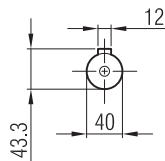
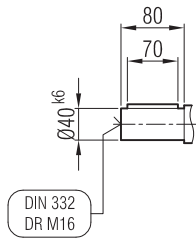
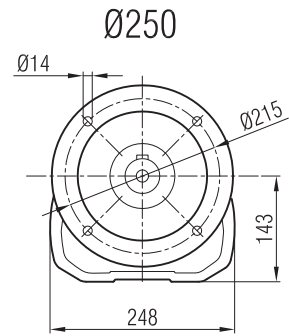
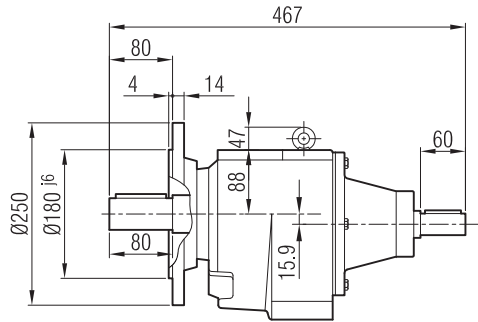
**İRA 72**  
**İRA 73**





**İRF 72**

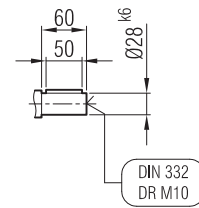
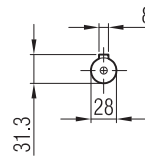
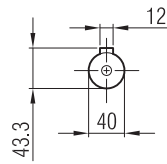
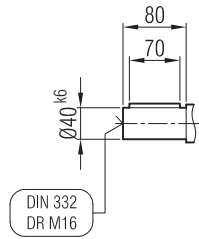
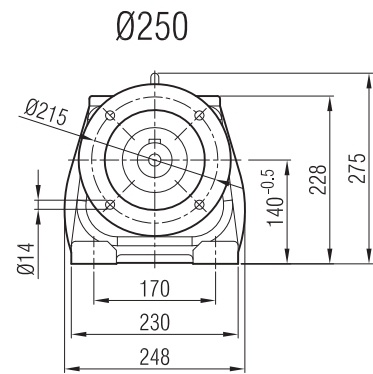
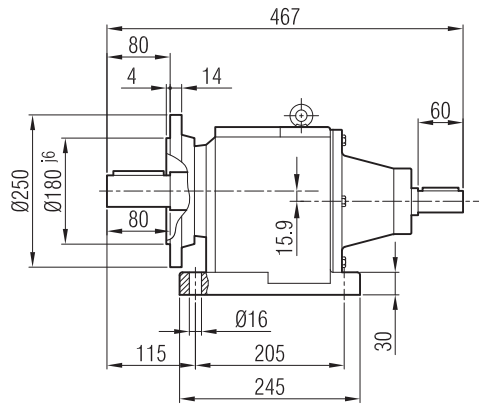
**İRF 73**





**İRAF 72**

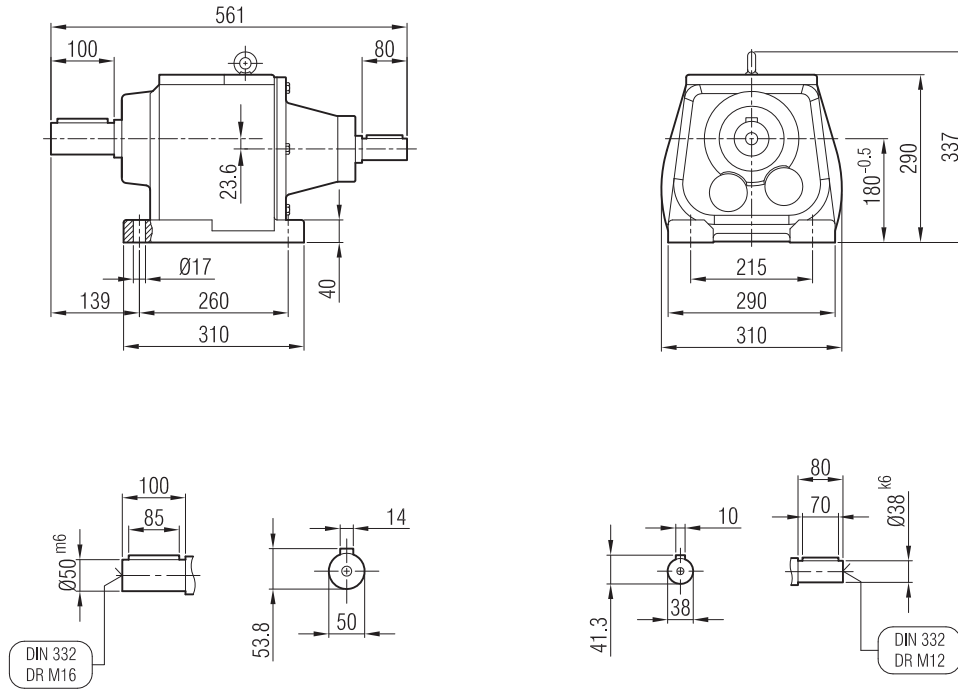
**İRAF 73**





**İRA 82**

**İRA 83**

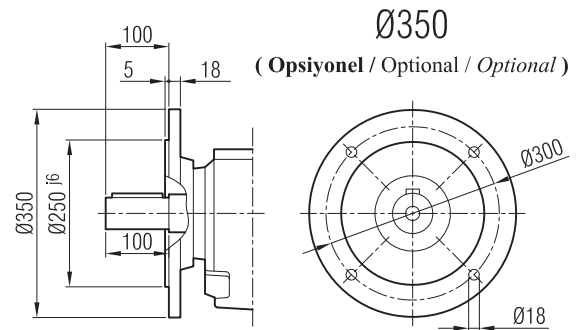
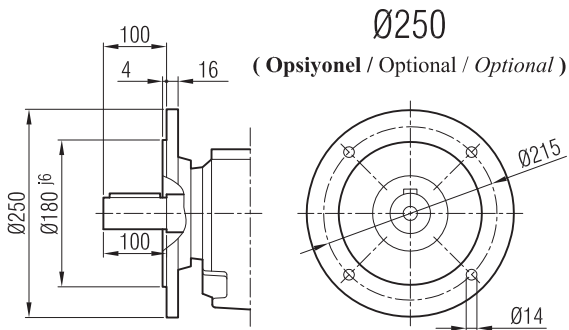
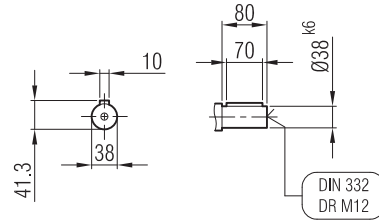
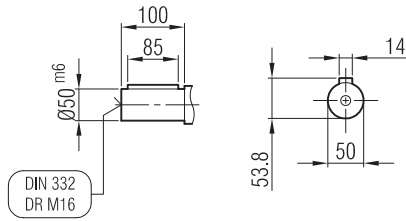
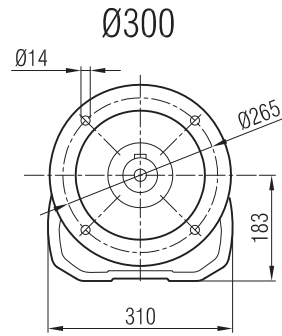
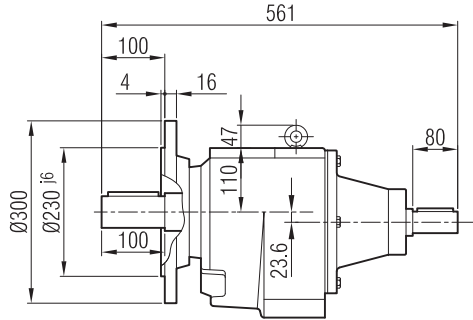






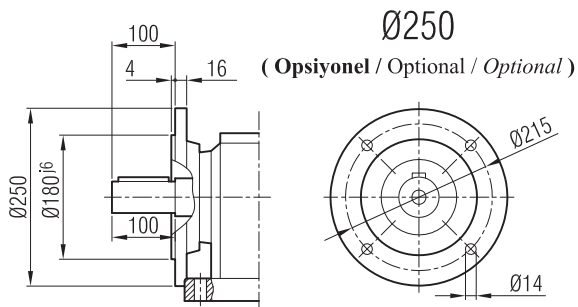
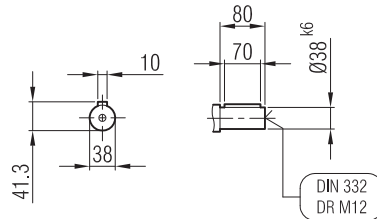
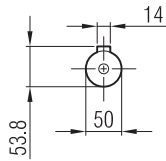
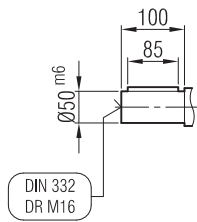
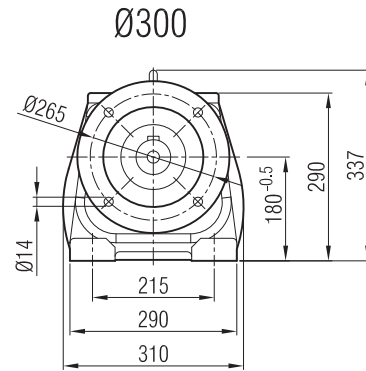
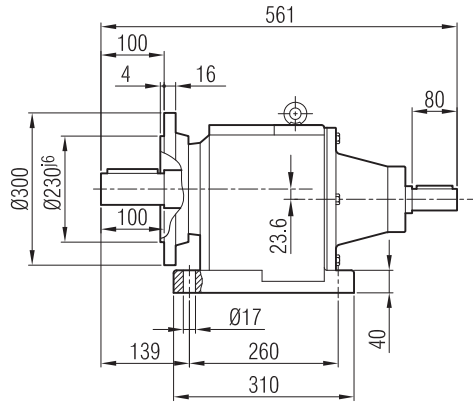
İRF 82

İRF 83





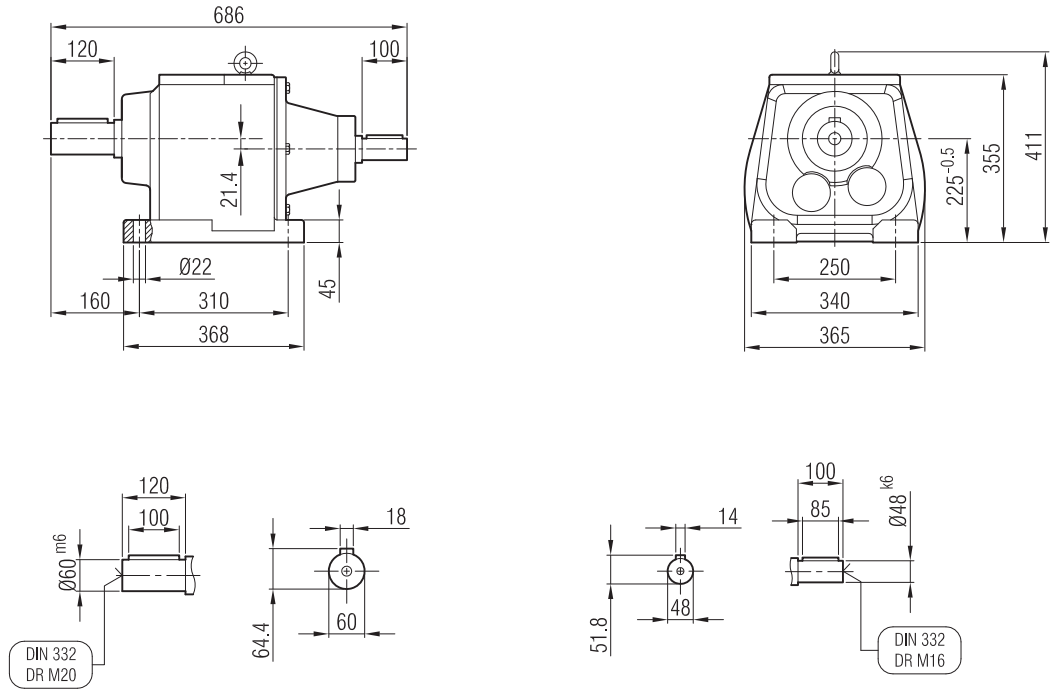
**İRAF 82**  
**İRAF 83**





**İRA 92**

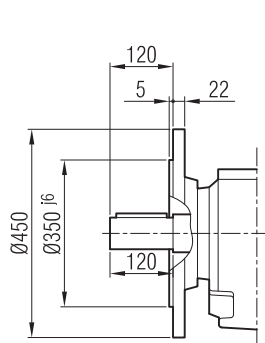
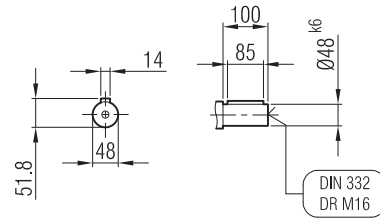
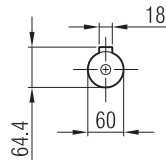
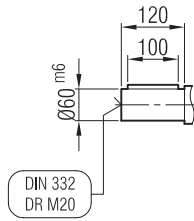
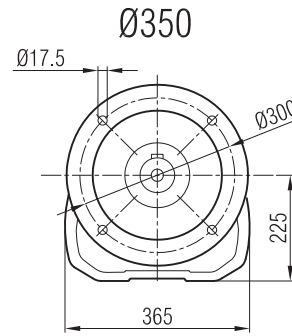
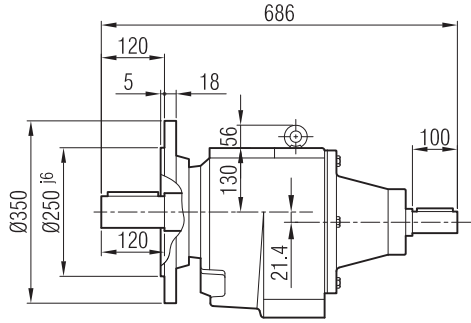
**İRA 93**



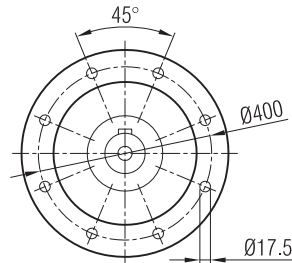


İRF 92

İRF 93



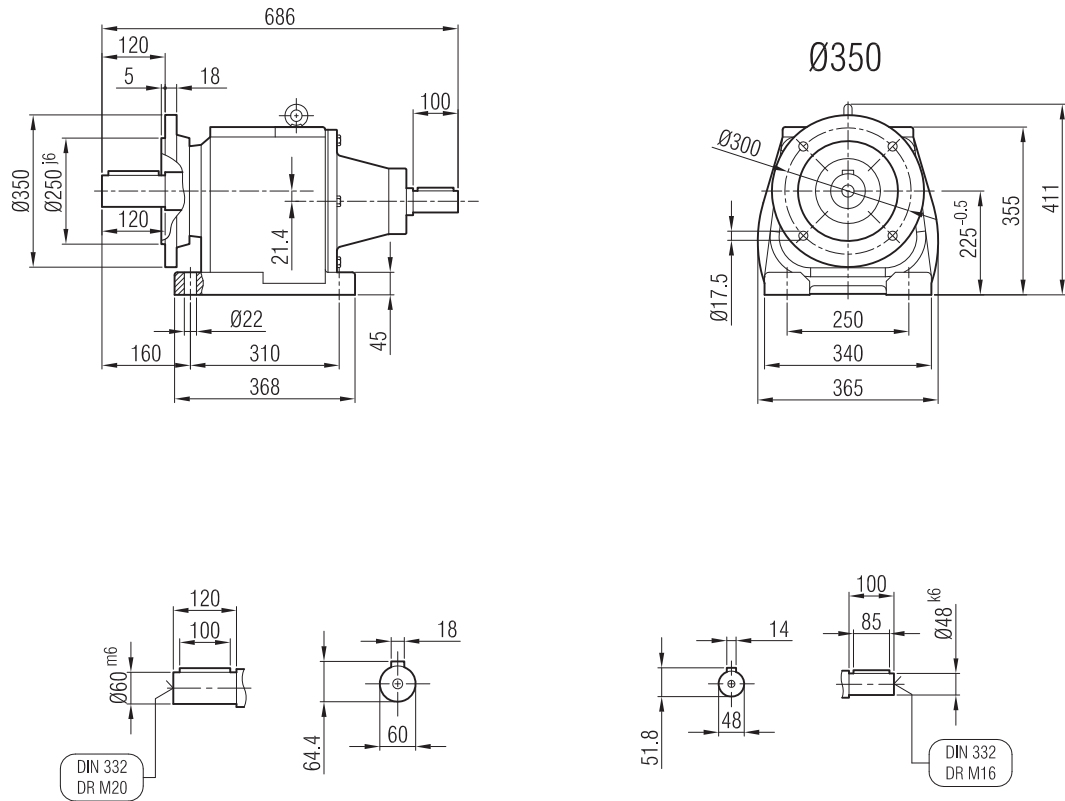
Ø450  
( Opsiyonel / Optional / Optional )





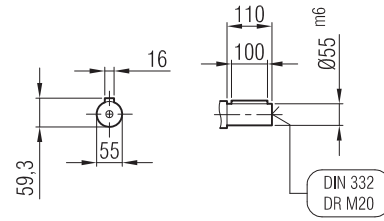
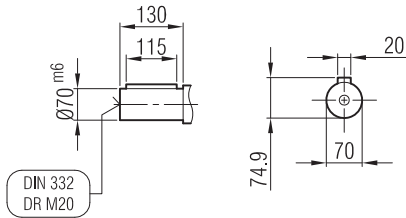
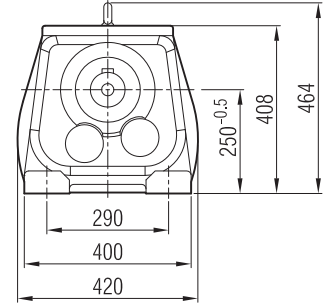
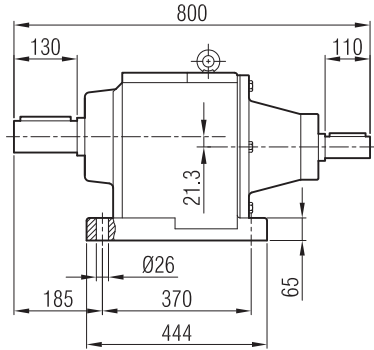
**İRAF 92**

**İRAF 93**





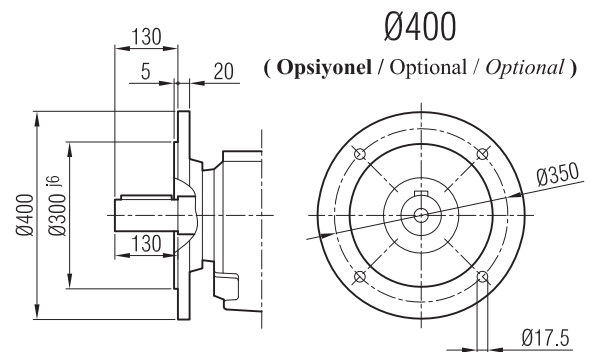
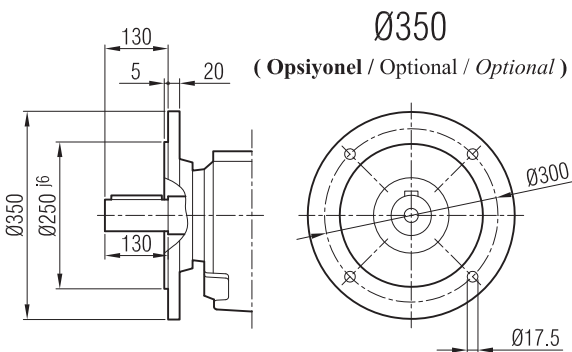
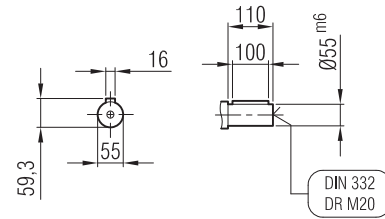
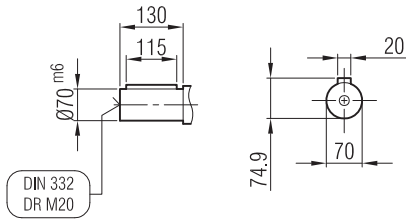
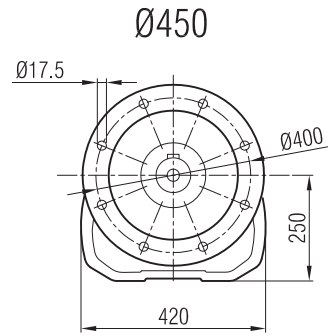
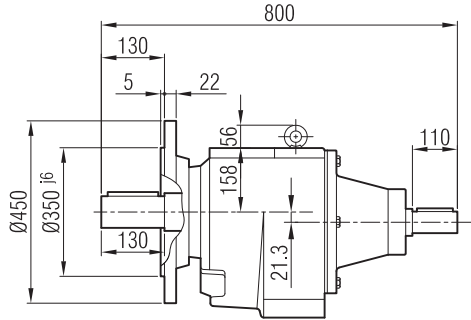
**İRA 102**  
**İRA 103**





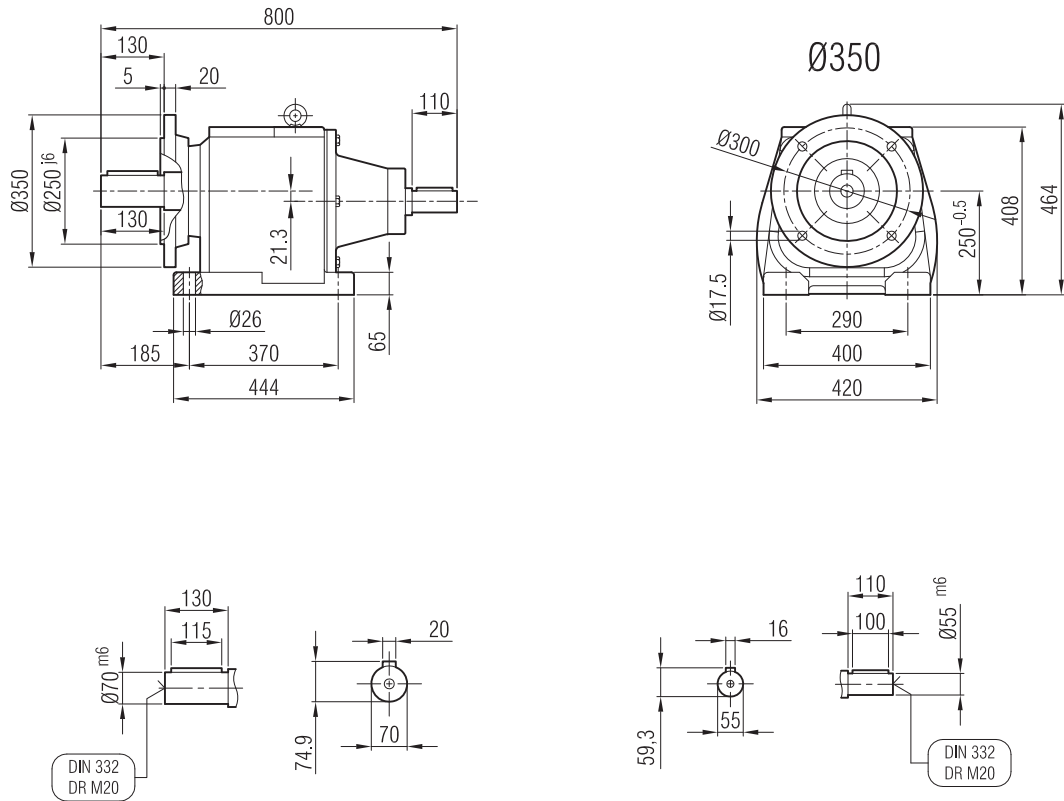
**İRF 102**

**İRF 103**





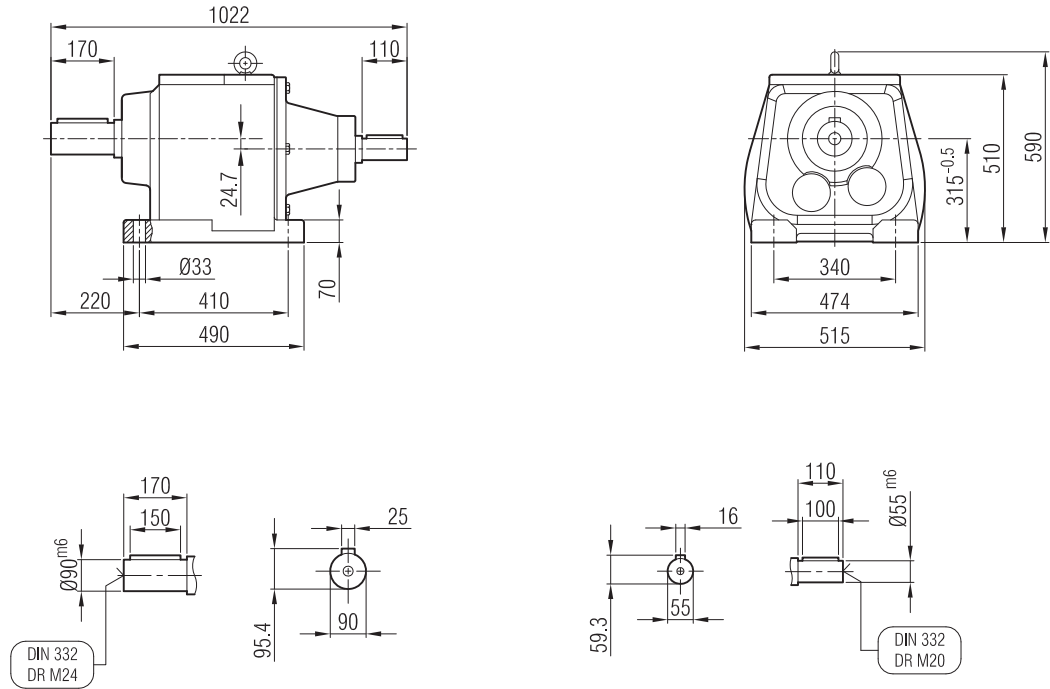
**İRAF 102**  
**İRAF 103**







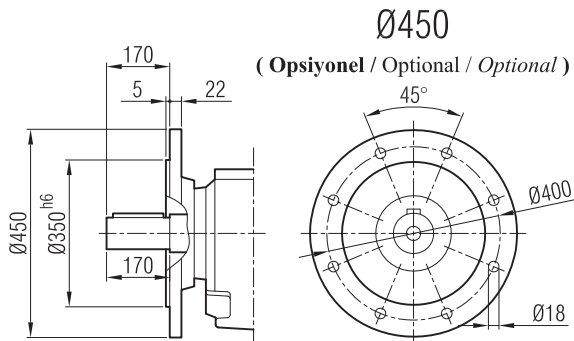
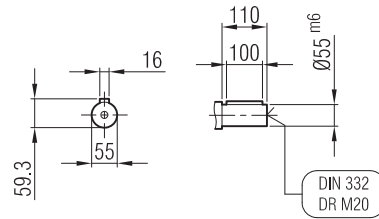
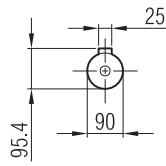
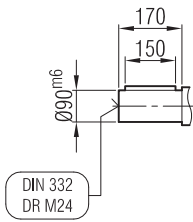
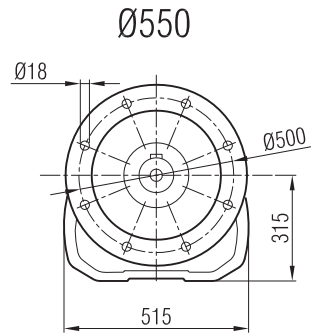
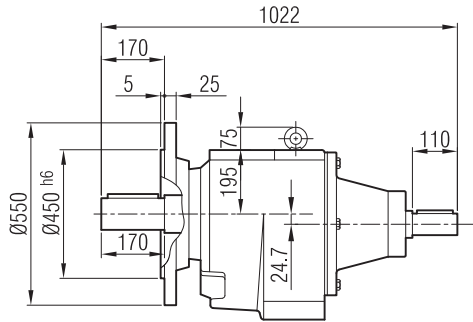
**İRA 122**  
**İRA 123**





**İRF 122**

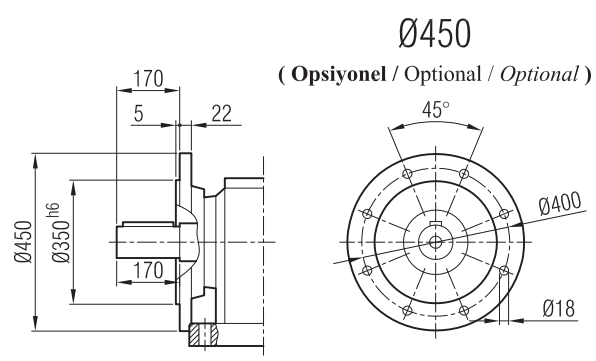
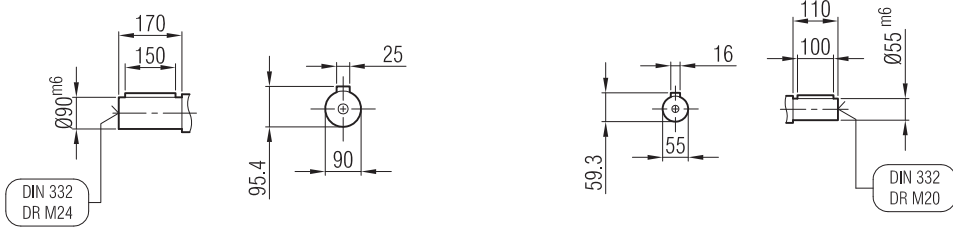
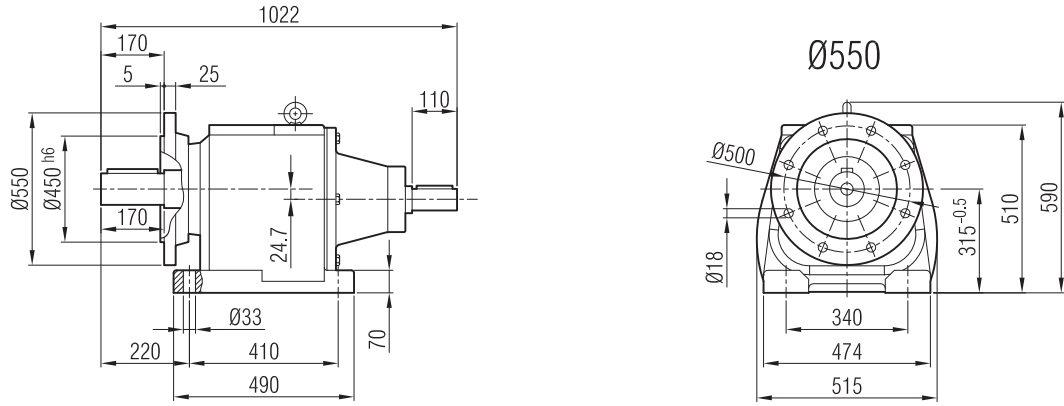
**İRF 123**





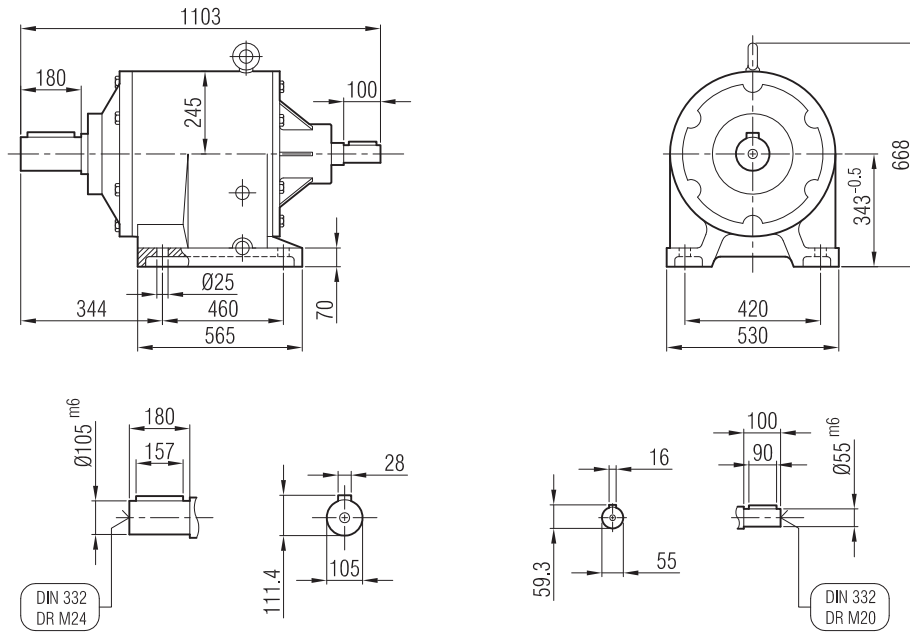
İRAF 122

İRAF 123

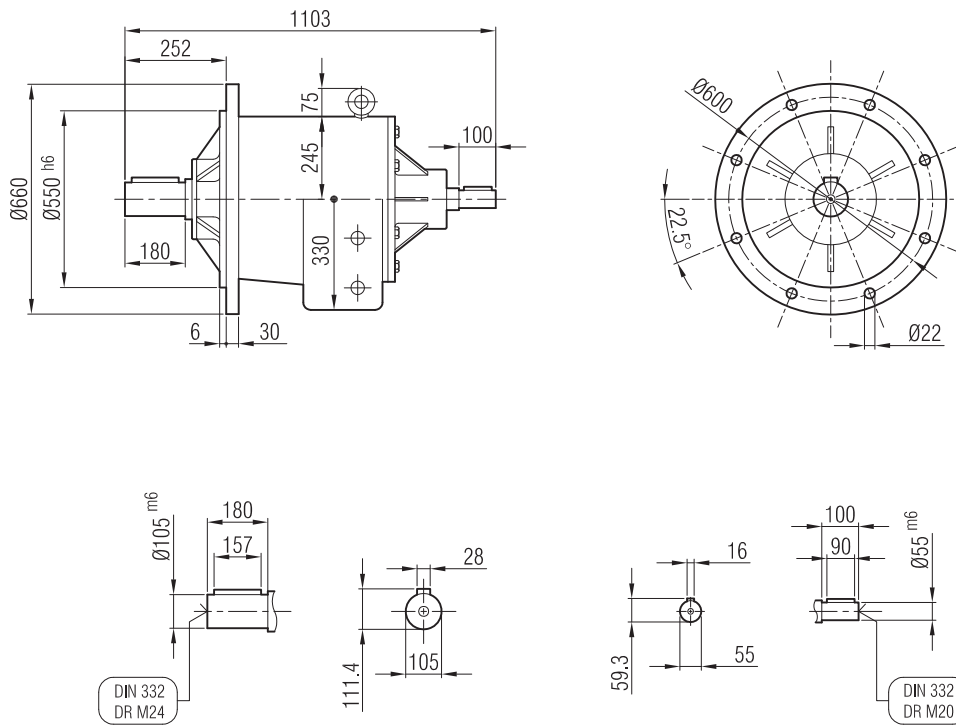




### İRA 151

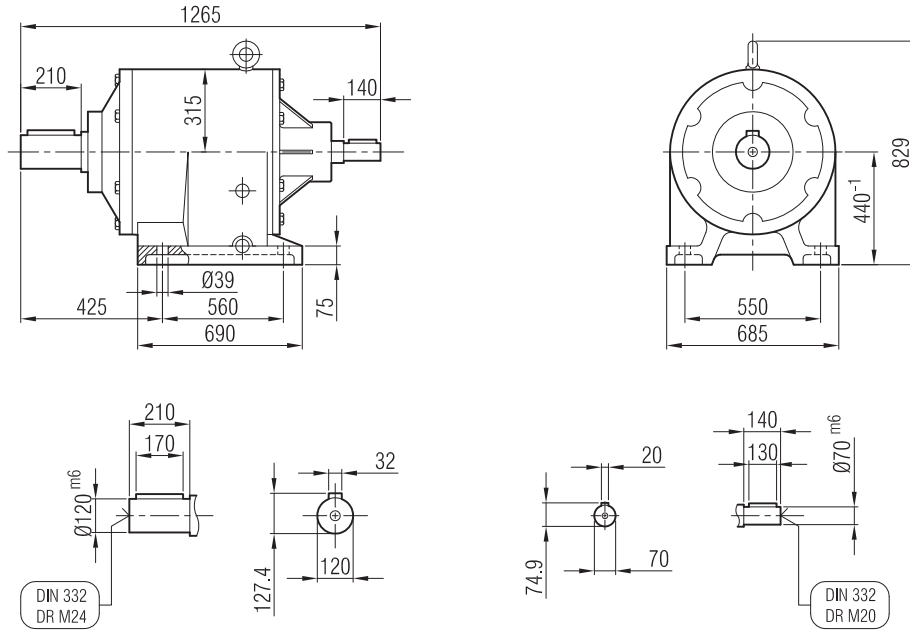


### İRF 151

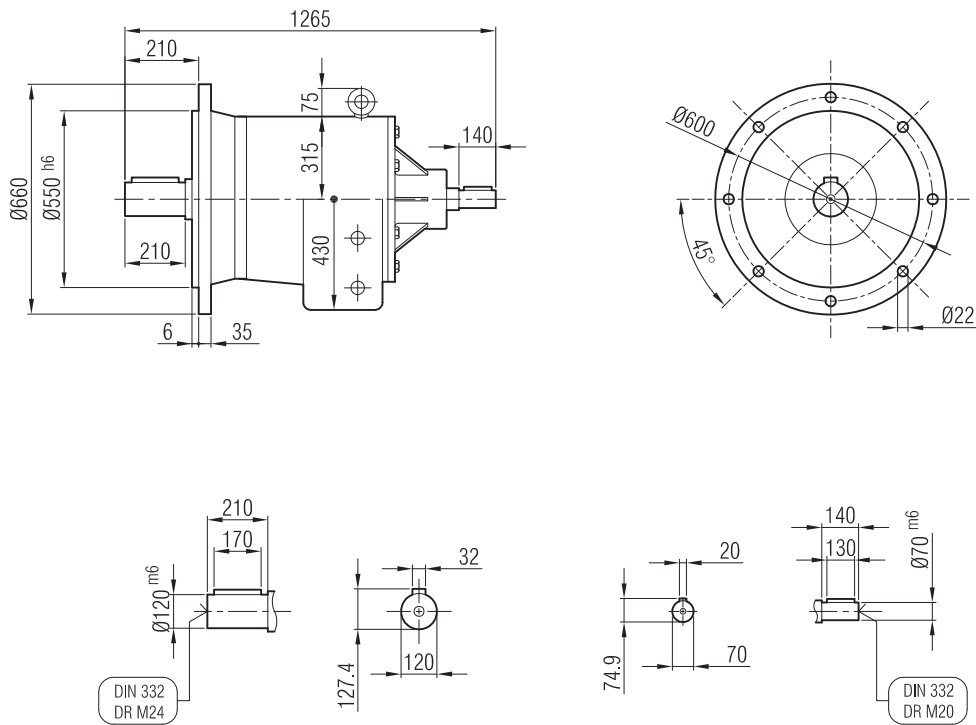




## İRA 181

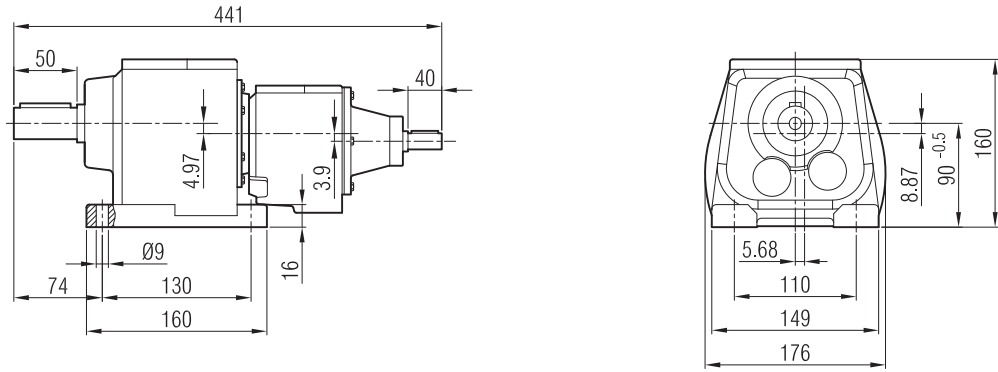


## İRF 181



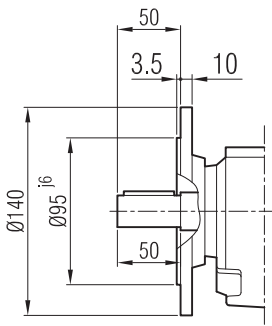
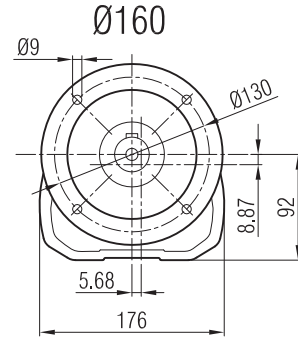
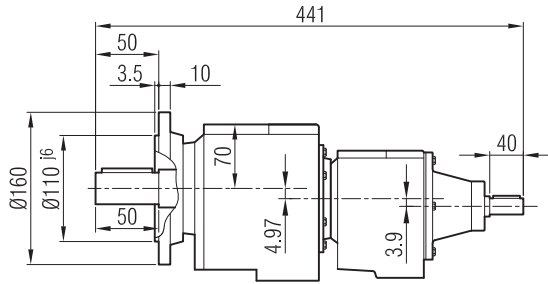


**İRA 52 İR 42**  
**İRA 52 İR 43**  
**İRA 53 İR 42**  
**İRA 53 İR 43**

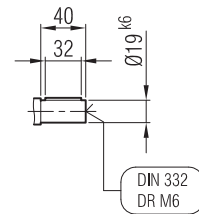
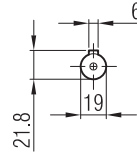
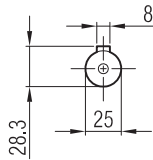
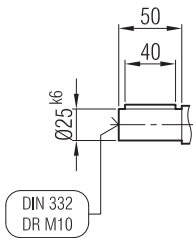
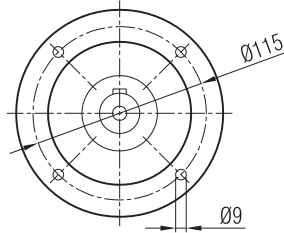




**İR 52 İR 42**  
**İR 52 İR 43**  
**İR 53 İR 42**  
**İR 53 İR 43**

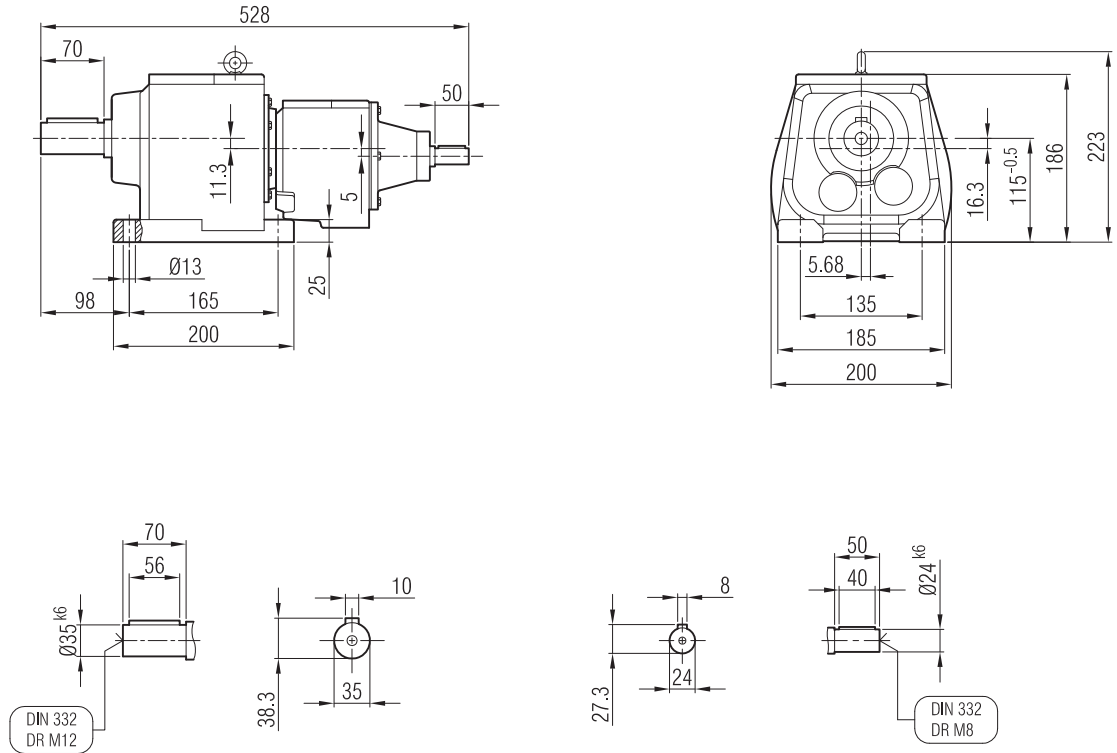


**Ø140**  
 ( Opsiyonel / Optional / Optional )





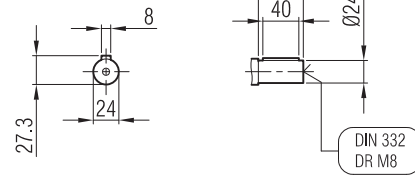
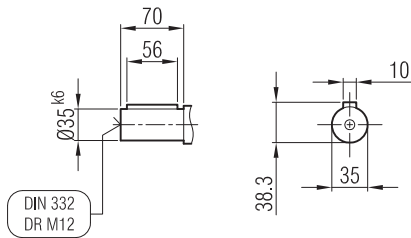
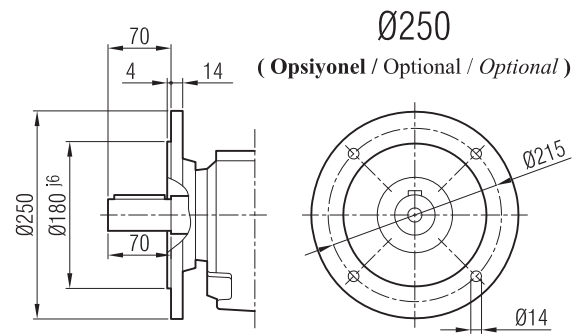
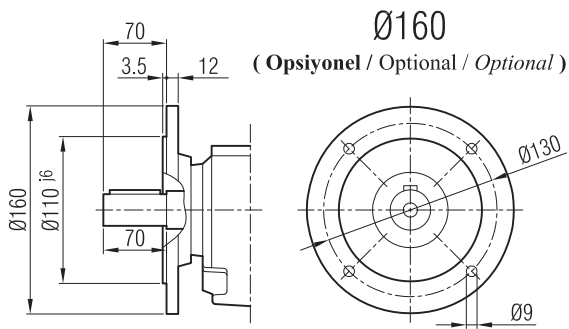
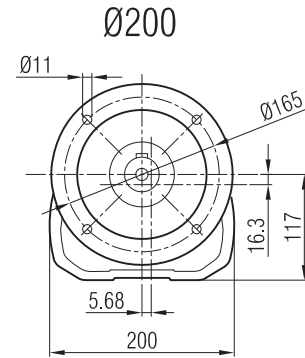
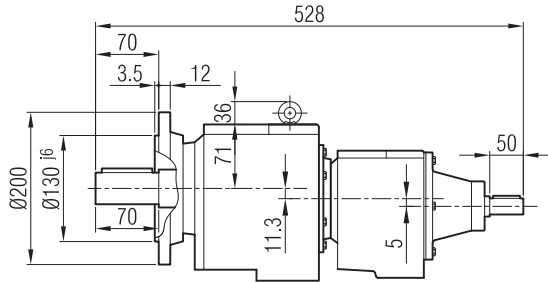
**İRA 62 İR 52**  
**İRA 63 İR 52**  
**İRA 63 İR 53**





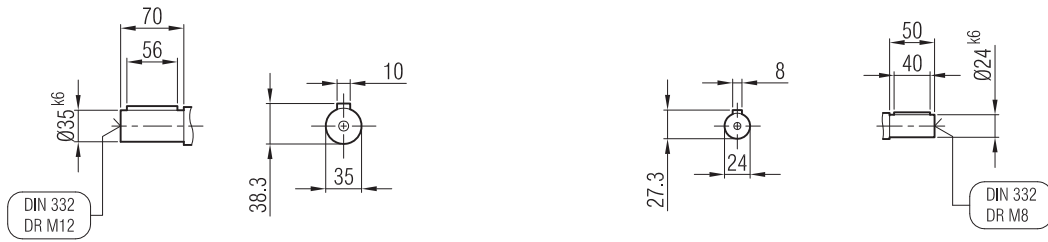
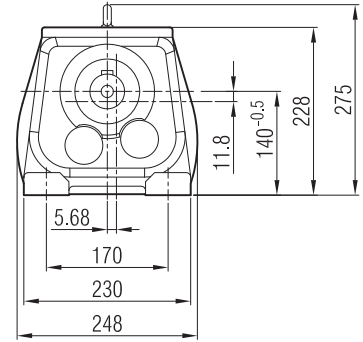
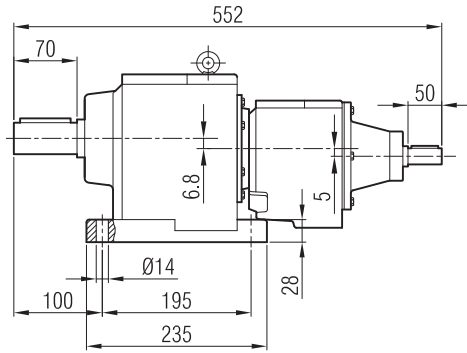


**İR 62 İR 52**  
**İR 63 İR 52**  
**İR 63 İR 53**





**İRA 721 İR 52**  
**İRA 721 İR 53**  
**İRA 731 İR 52**  
**İRA 731 İR 53**



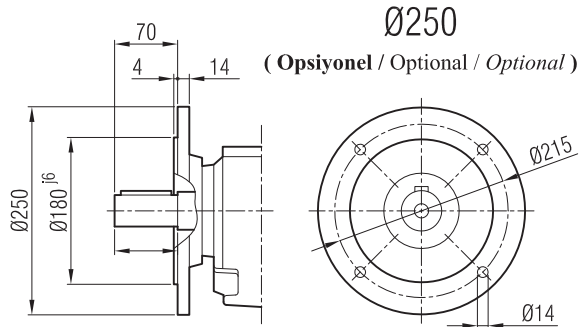
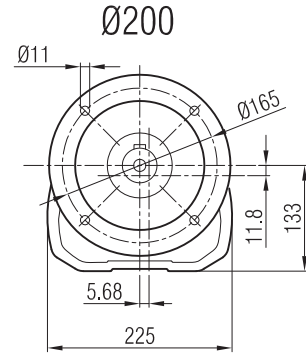
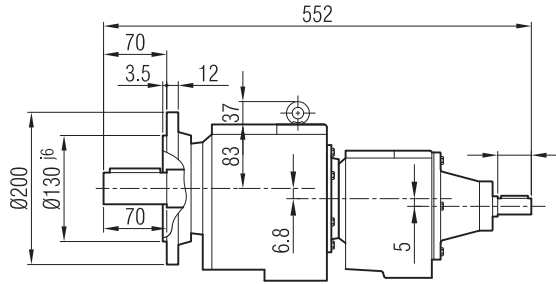


**İRF 721 İR 52**

**İRF 721 İR 53**

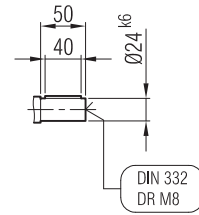
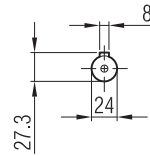
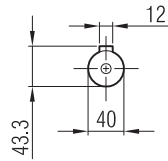
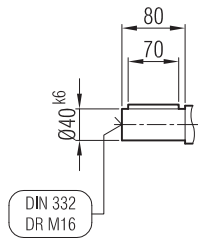
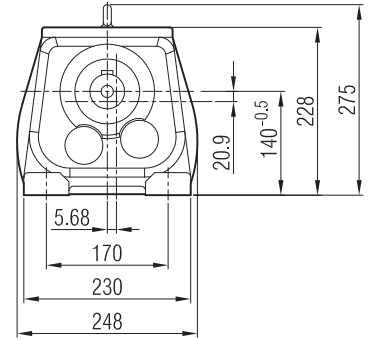
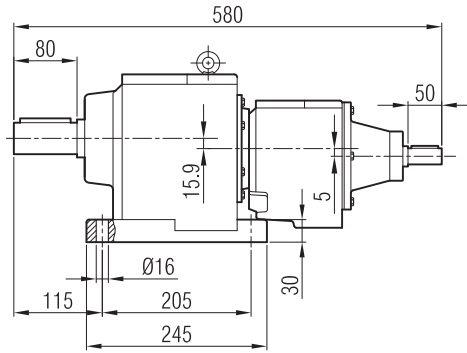
**İRF 731 İR 52**

**İRF 731 İR 53**



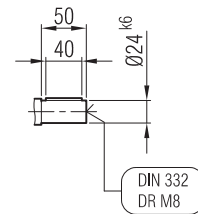
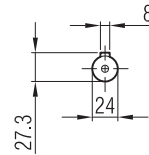
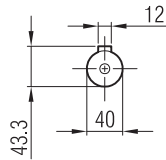
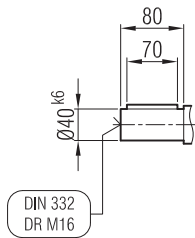
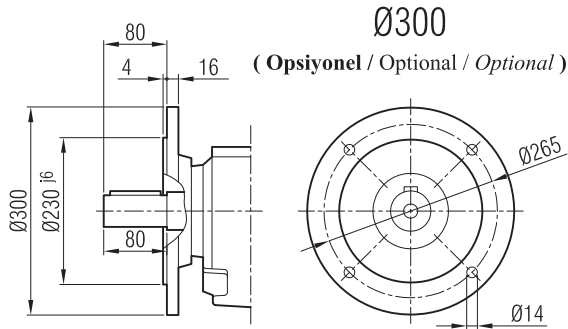
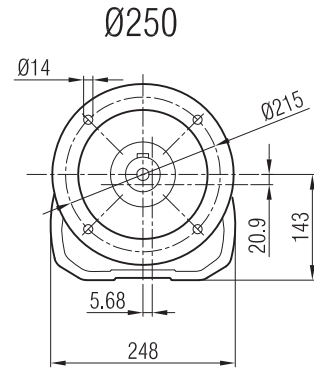
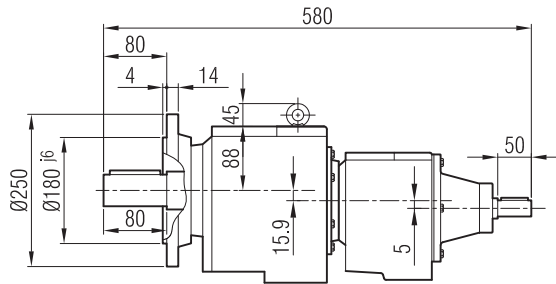


**İRA 72 İR 53**  
**İRA 73 İR 52**  
**İRA 73 İR 53**



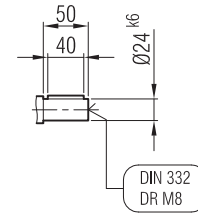
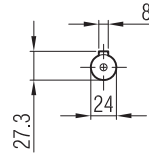
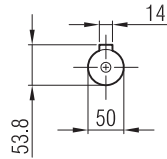
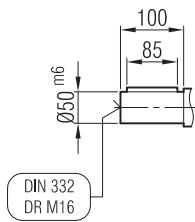
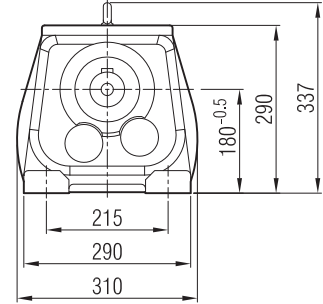
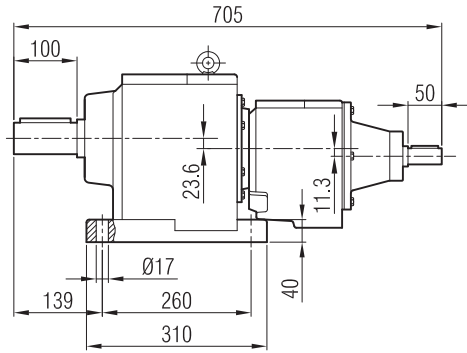


**İR 72 İR 53**  
**İR 73 İR 52**  
**İR 73 İR 53**



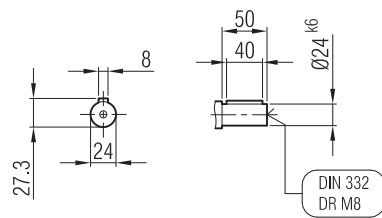
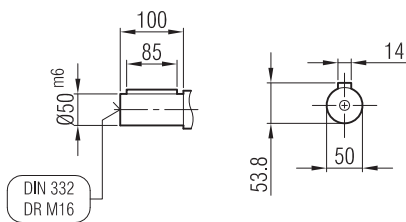
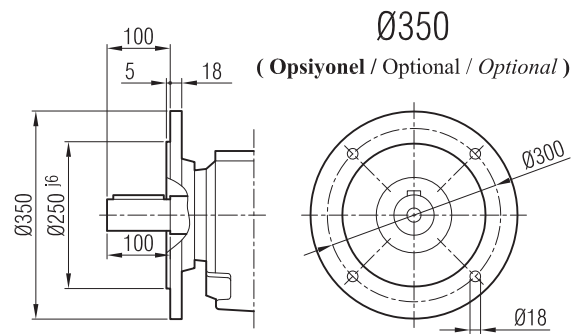
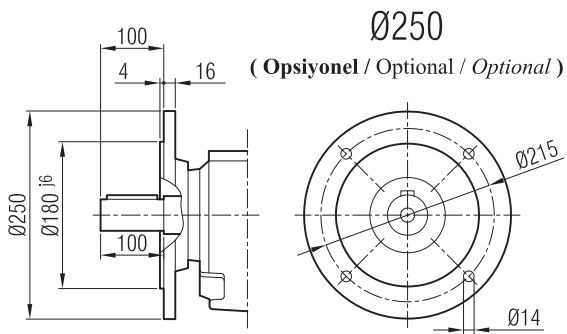
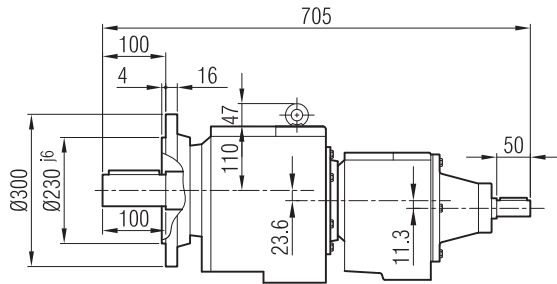


**İRA 82 İR 63**  
**İRA 83 İR 63**



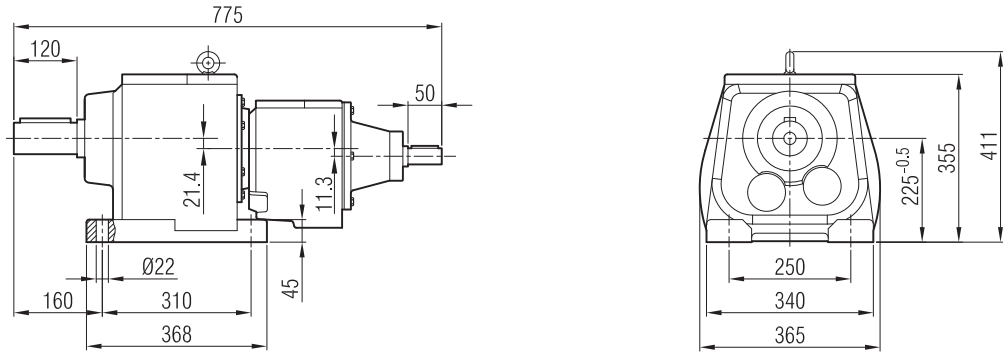


**İR 82 İR 63**  
**İR 83 İR 63**





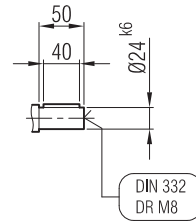
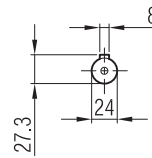
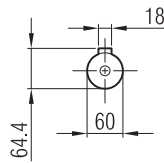
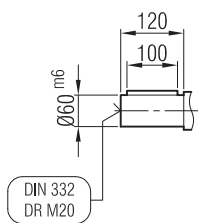
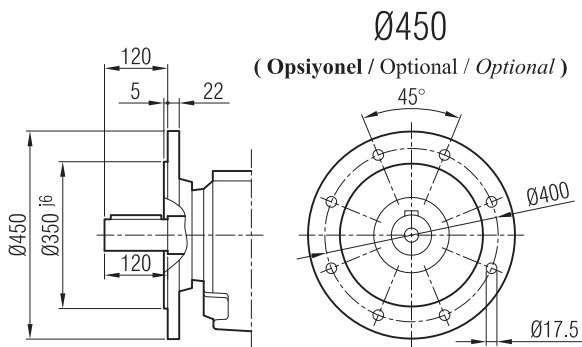
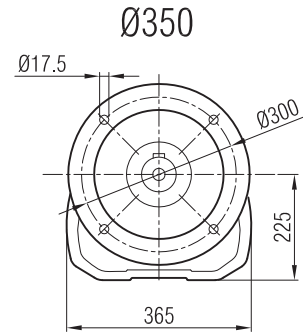
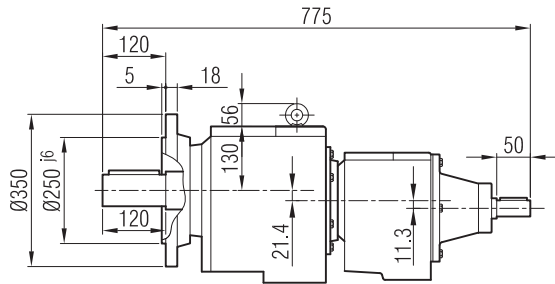
**İRA 92 İR 62**  
**İRA 93 İR 62**  
**İRA 93 İR 63**





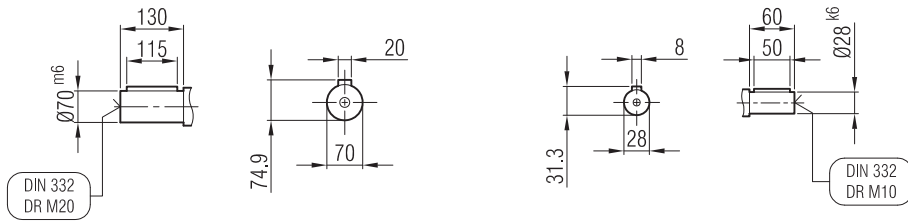
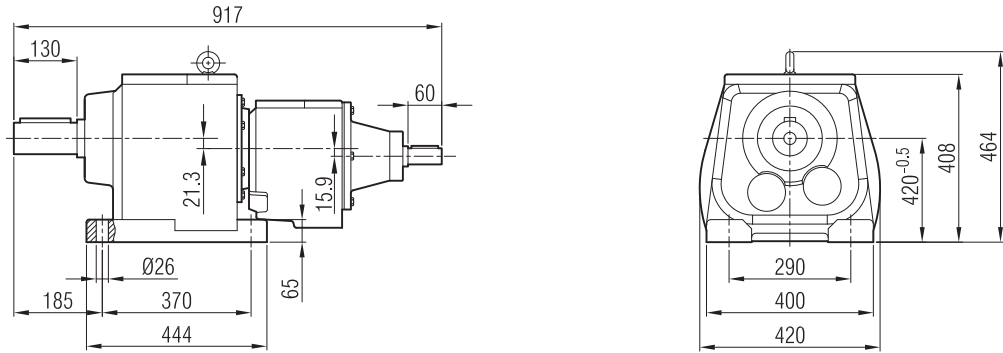


**İR 92 İR 62**  
**İR 93 İR 62**  
**İR 93 İR 63**



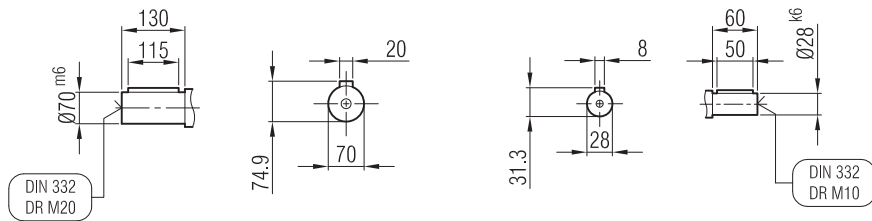
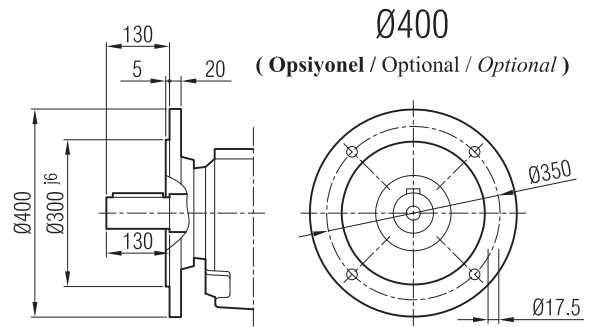
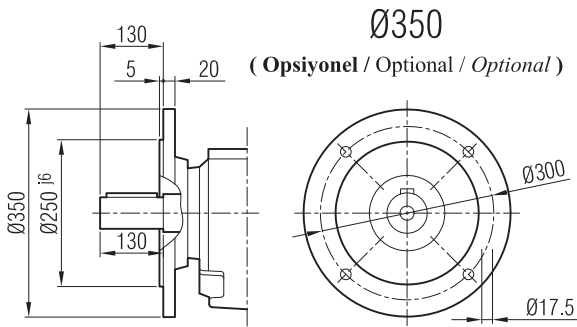
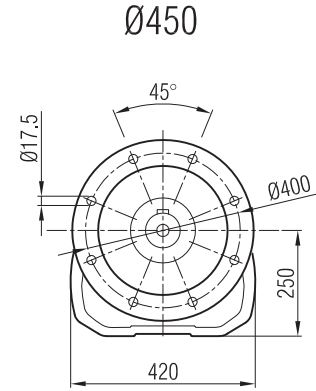
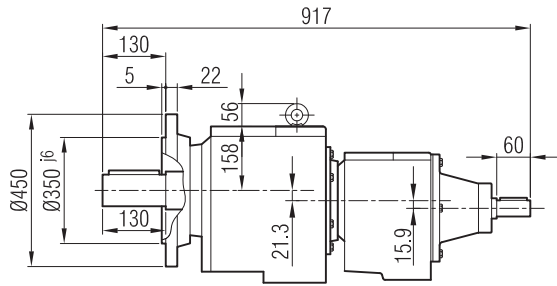


**İRA 102 İR 72**  
**İRA 102 İR 73**  
**İRA 103 İR 72**  
**İRA 103 İR 73**



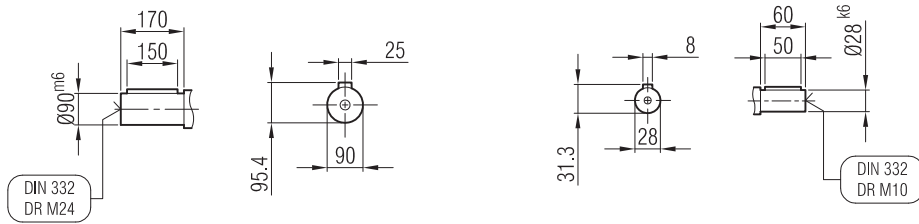
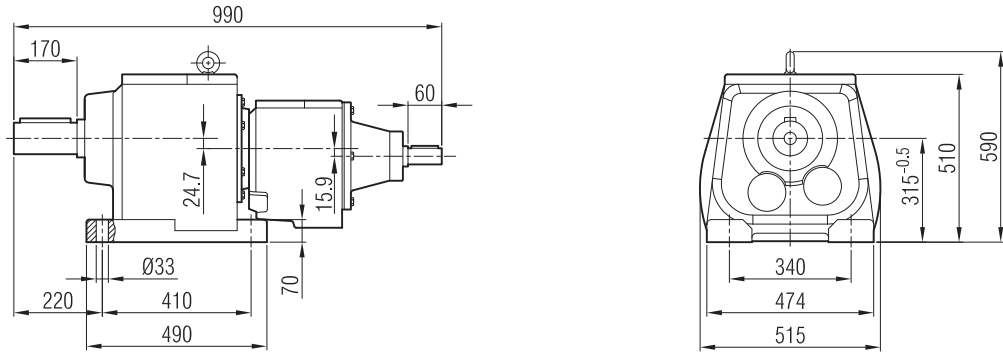


**İR 102 İR 72**  
**İR 102 İR 73**  
**İR 103 İR 72**  
**İR 103 İR 73**



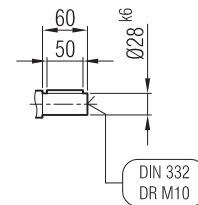
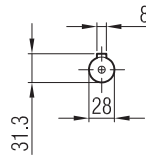
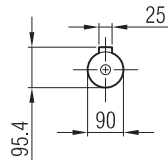
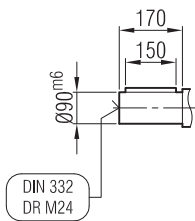
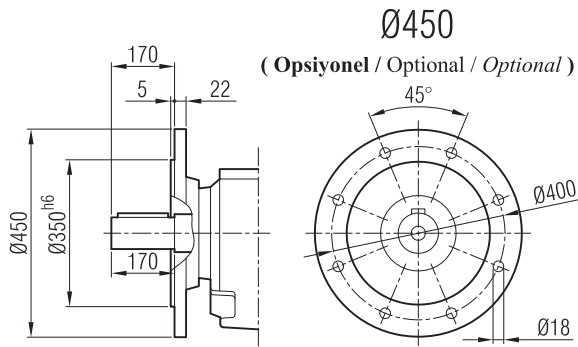
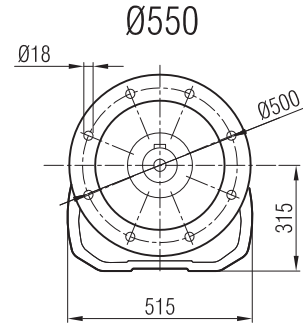
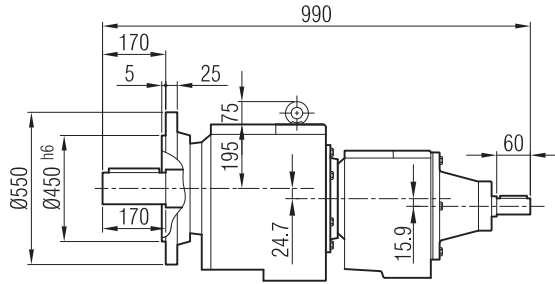


**İRA 122 İR 72**  
**İRA 122 İR 73**  
**İRA 123 İR 72**  
**İRA 123 İR 73**





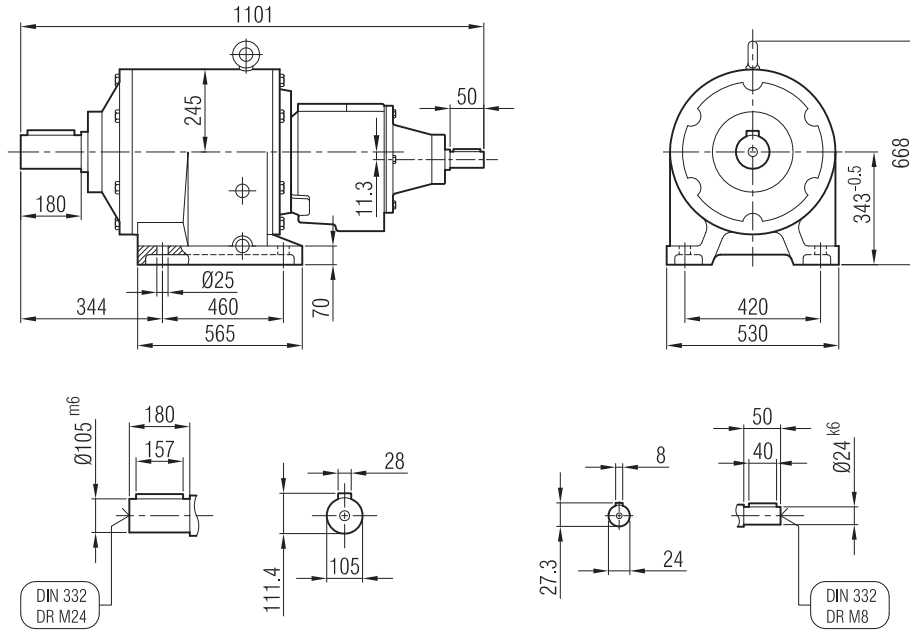
**İR 122 İR 72**  
**İR 122 İR 73**  
**İR 123 İR 72**  
**İR 123 İR 73**





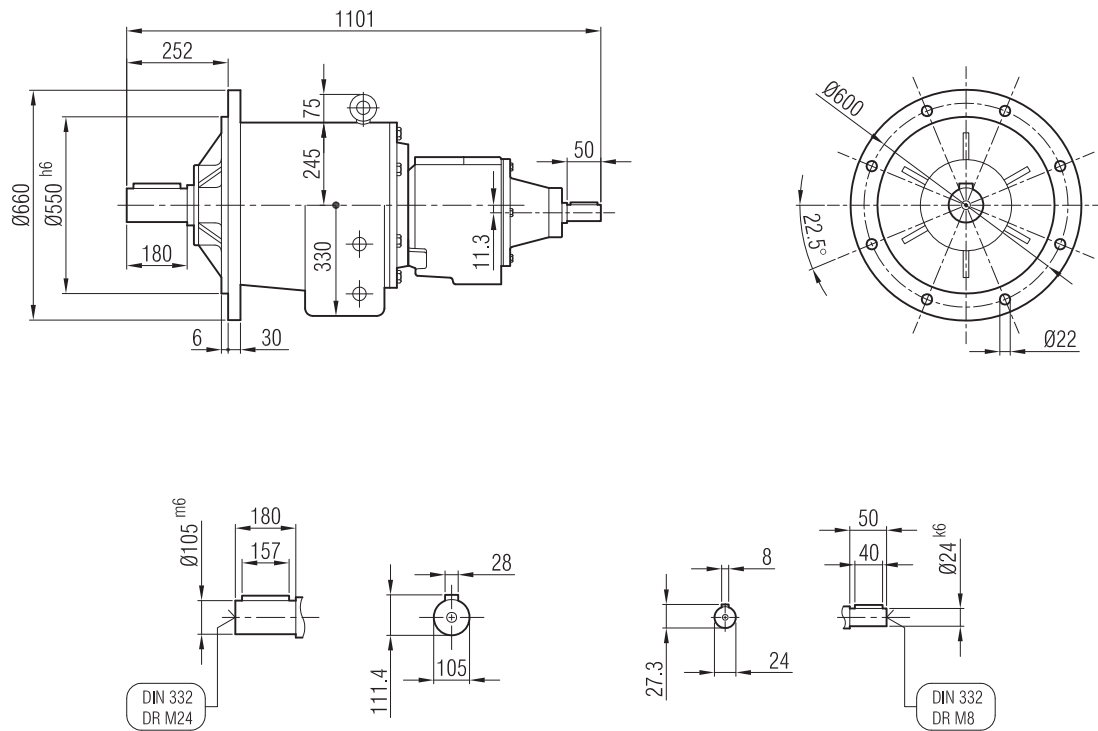
**İRA 151 İR 62**

**İRA 151 İR 63**



**İRF 151 İR 62**

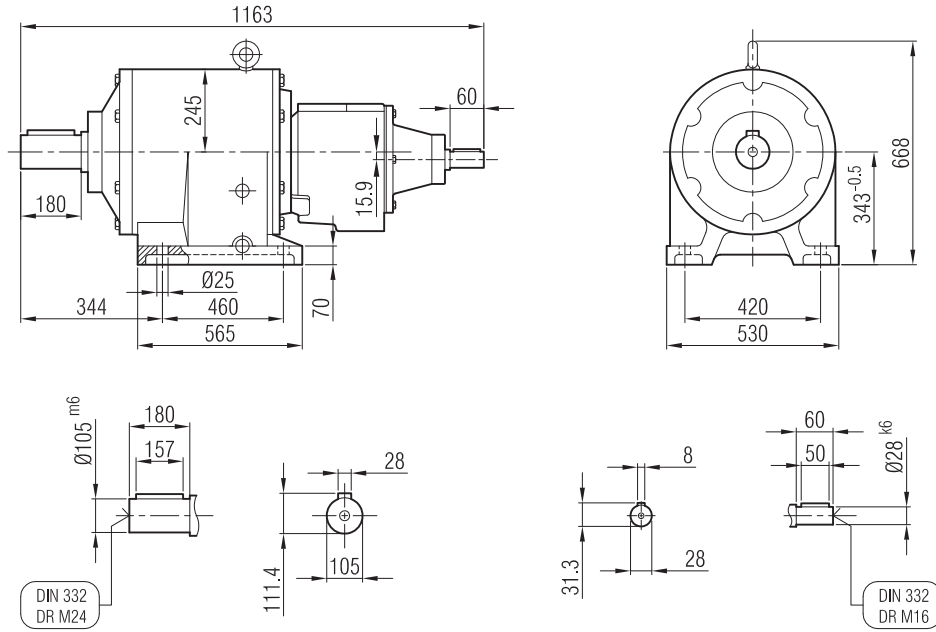
**İRF 151 İR 63**





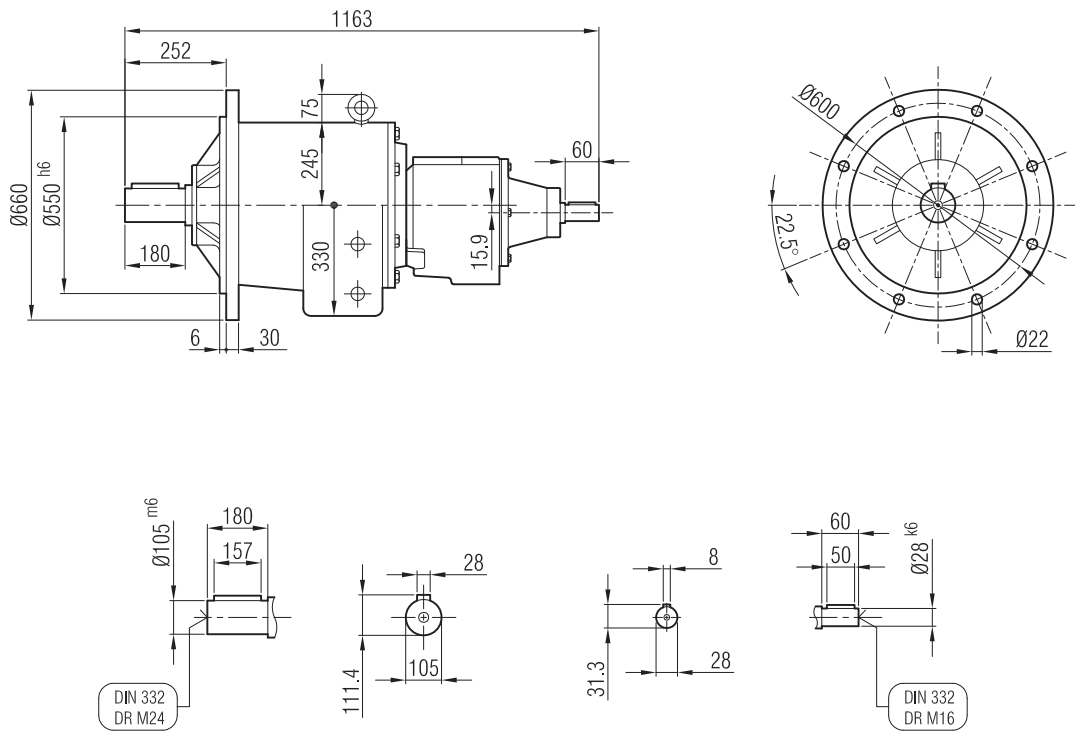
**İRA 151 İR 72**

**İRA 151 İR 73**



**İRF 151 İR 72**

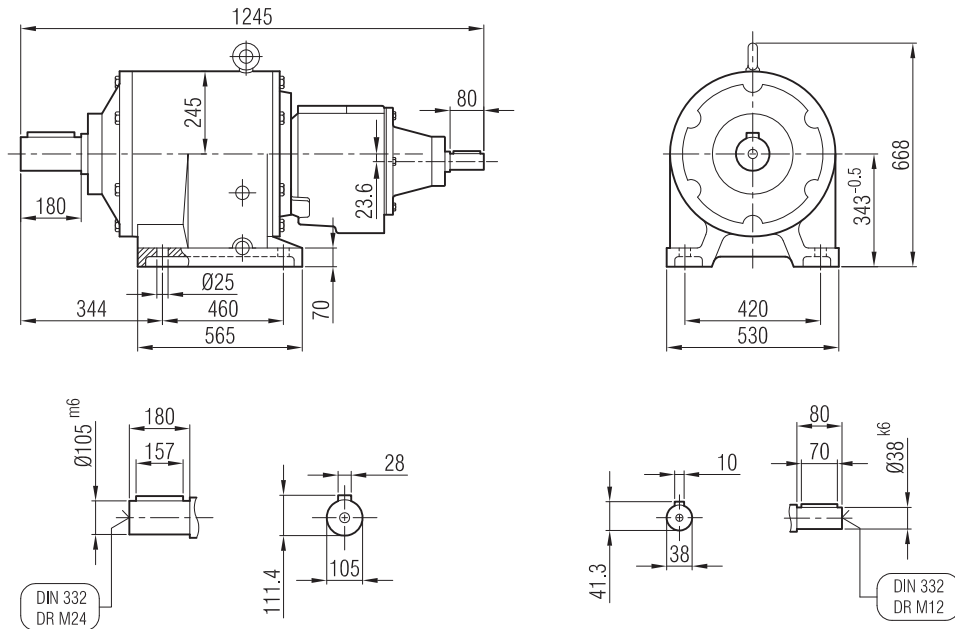
**İRF 151 İR 73**





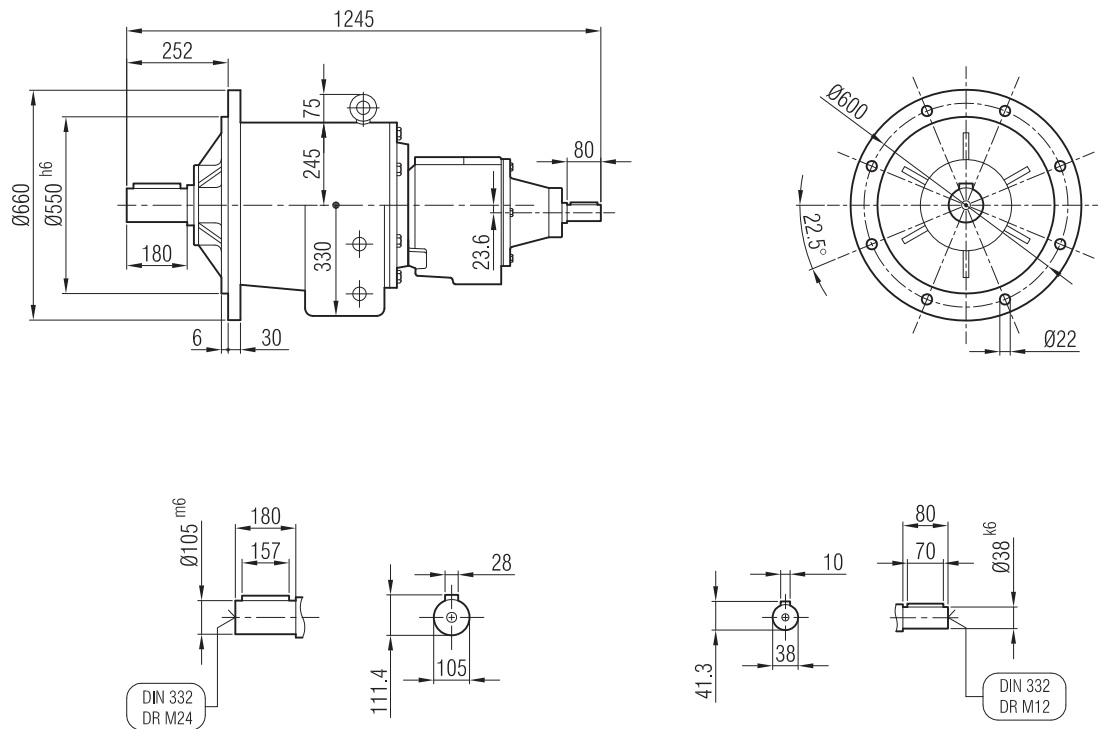
## İRA 151 İR 82

## İRA 151 İR 83



## İRF 151 İR 82

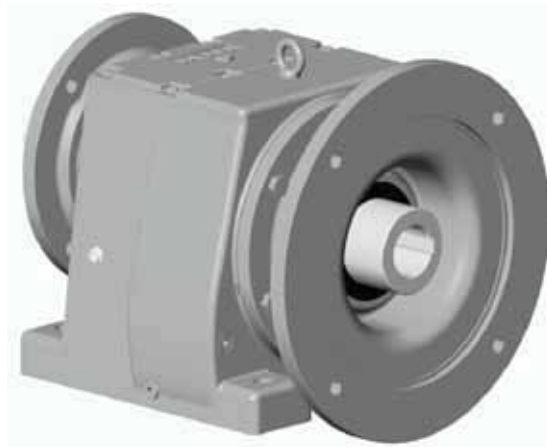
## İRF 151 İR 83







**IRAP ...**



**IRAFP ...**

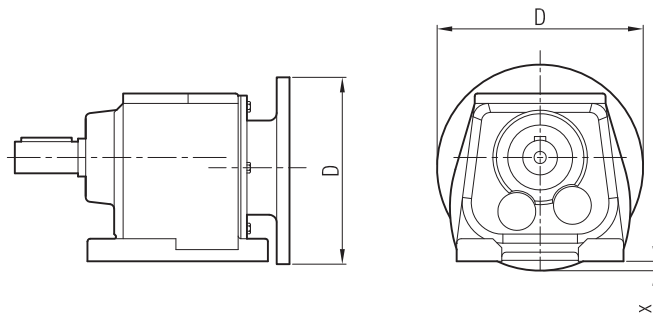
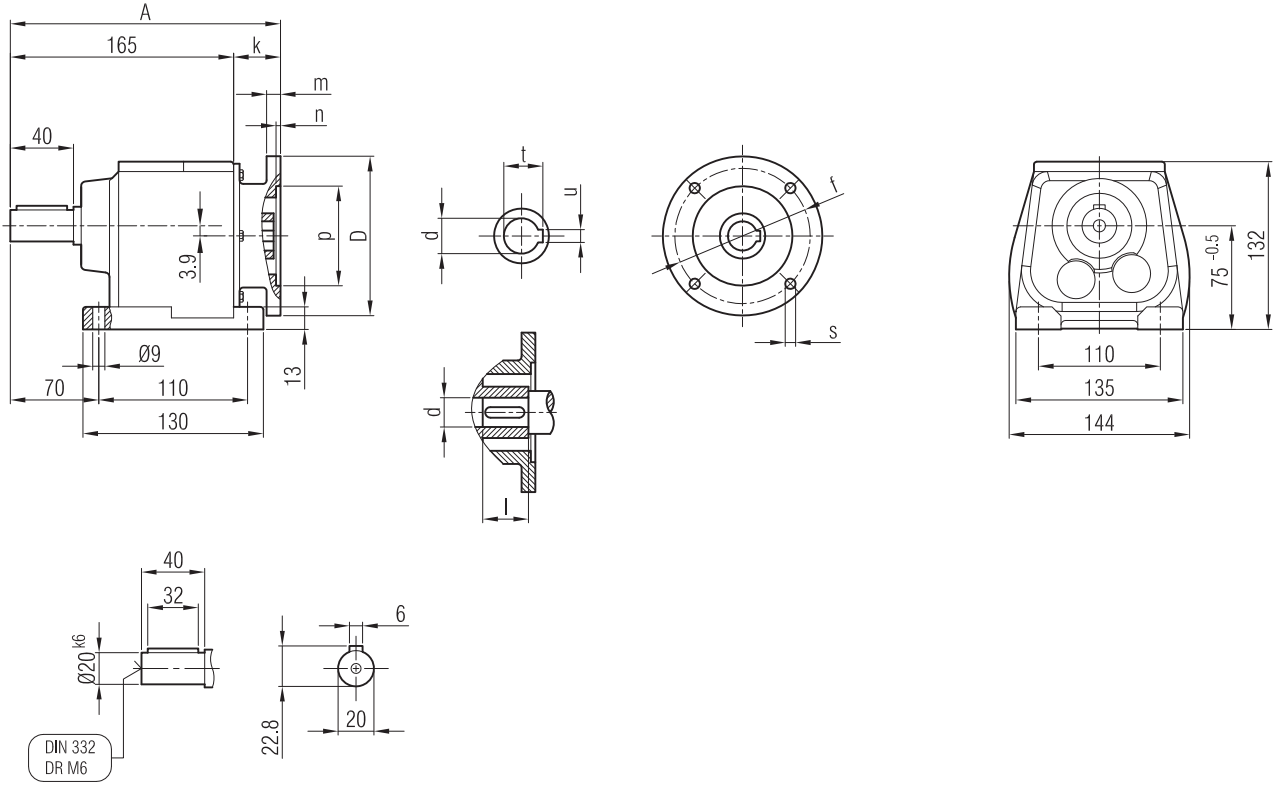


**IRFP ...**



## İRAP 42

## İRAP 43

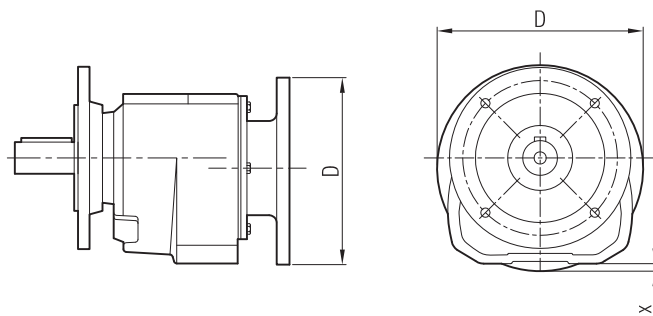
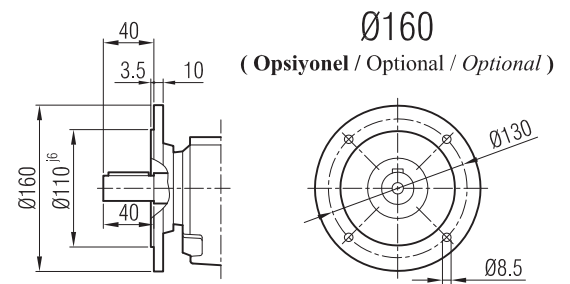
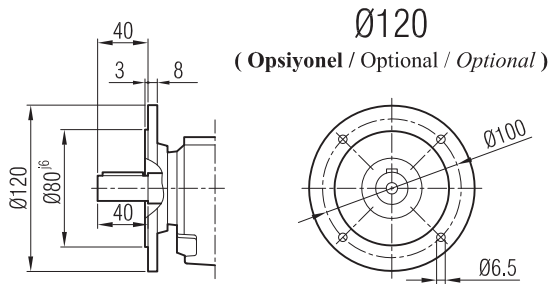
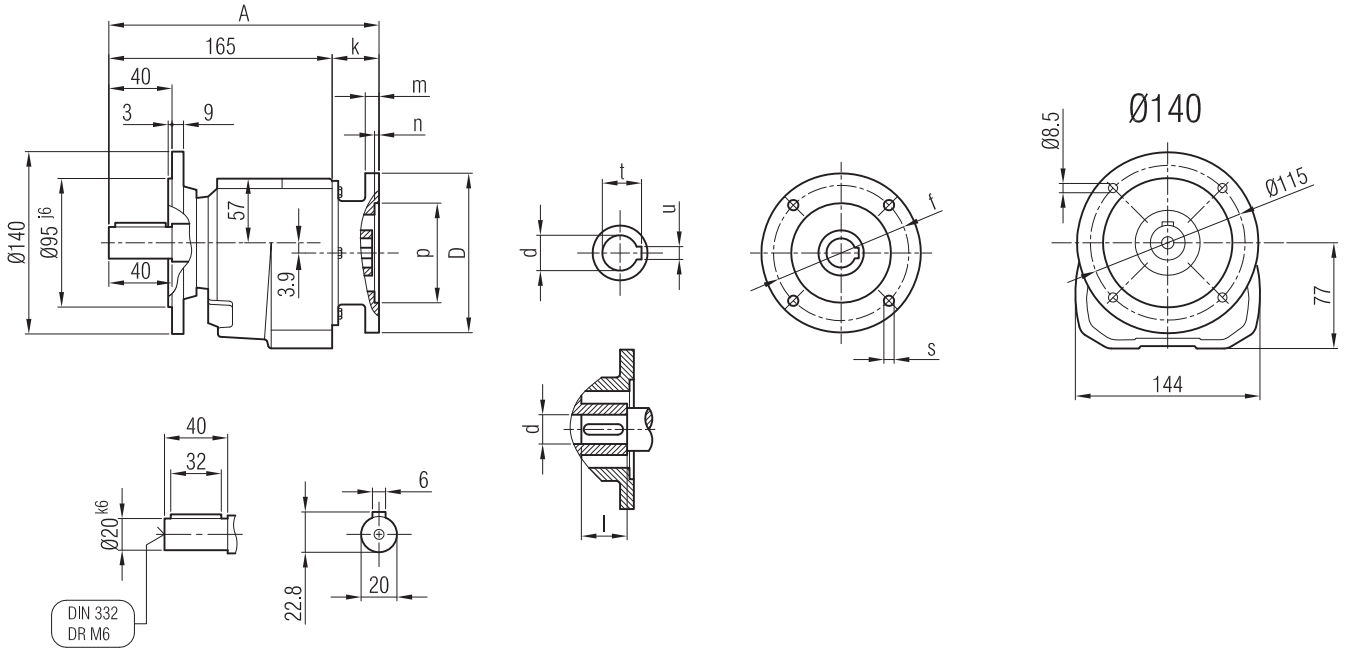


	A	$\varnothing p$	$\varnothing f$	$\varnothing D$	s	k	m	n	$\varnothing d$	l	t	u	x				
63/B5	200.5	95	115	140	M8	35.5	8	4	11	23	12.8	4	-				
71/B5	209	110	130	160	M8	44	9	4	14	30	16.3	5	-				
80/B5	211	130	165	200	M10	46	12	5	19	40	21.8	6	29				
90/B5	211	130	165	200	M10	46	12	5	24	50	27.3	8	29				



## İRFP 42

## İRFP 43



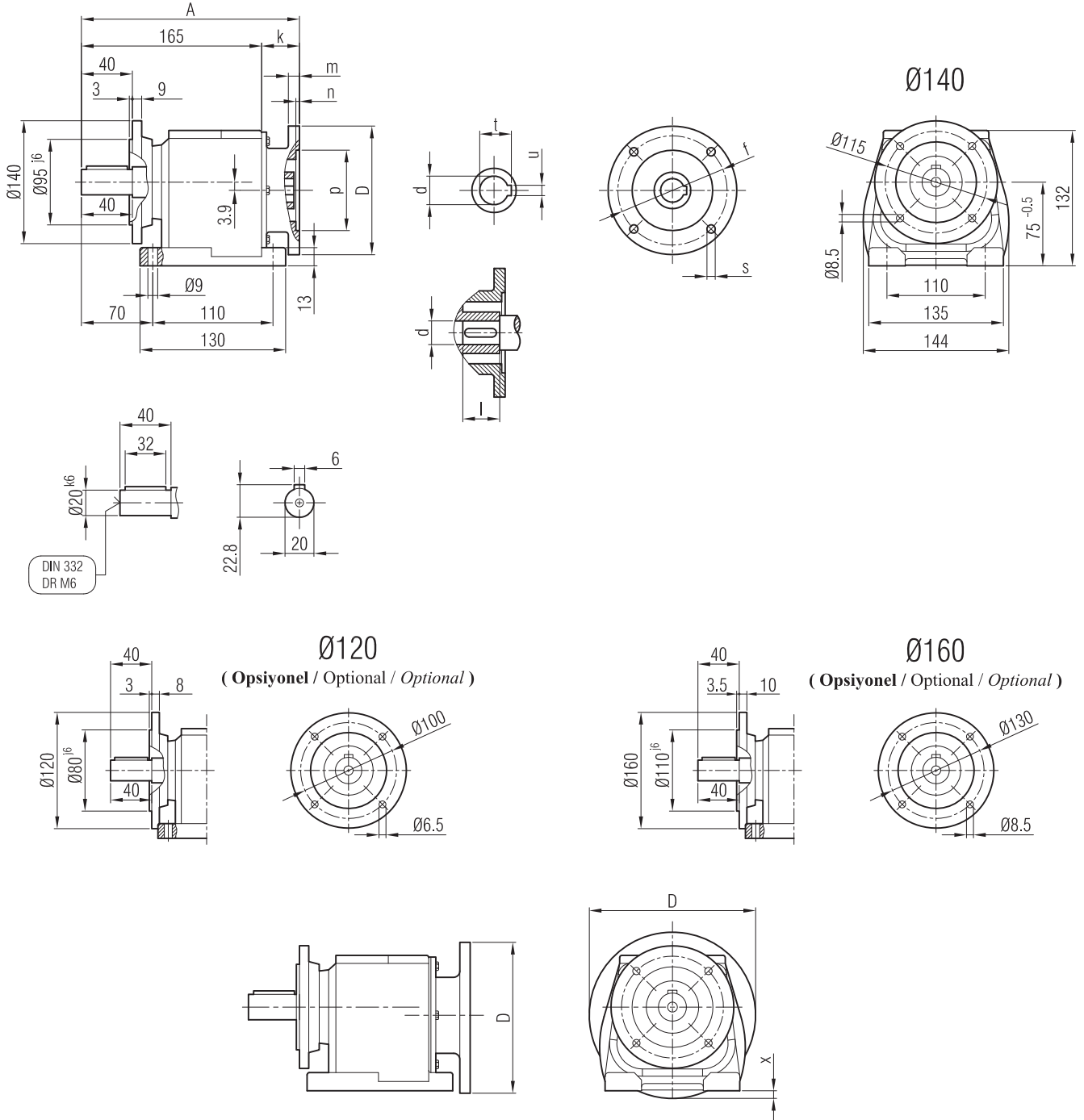
	A	Øp	Øf	ØD	s	k	m	n	Ød	l	t	u	x				
63/B5	200.5	95	115	140	M8	35.5	8	4	11	23	12.8	4	-				
71/B5	209	110	130	160	M8	44	9	4	14	30	16.3	5	-				
80/B5	211	130	165	200	M10	46	12	5	19	40	21.8	6	27				
90/B5	211	130	165	200	M10	46	12	5	24	50	27.3	8	27				





## İRAFP 42

## İRAFP 43



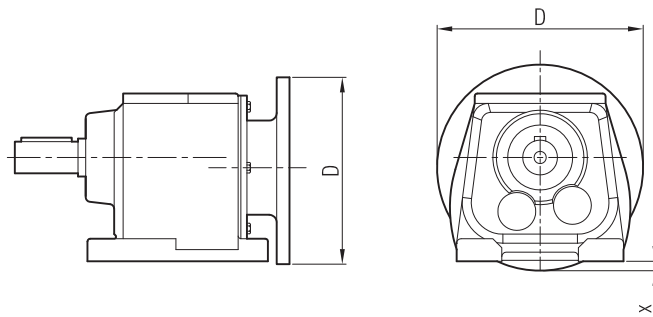
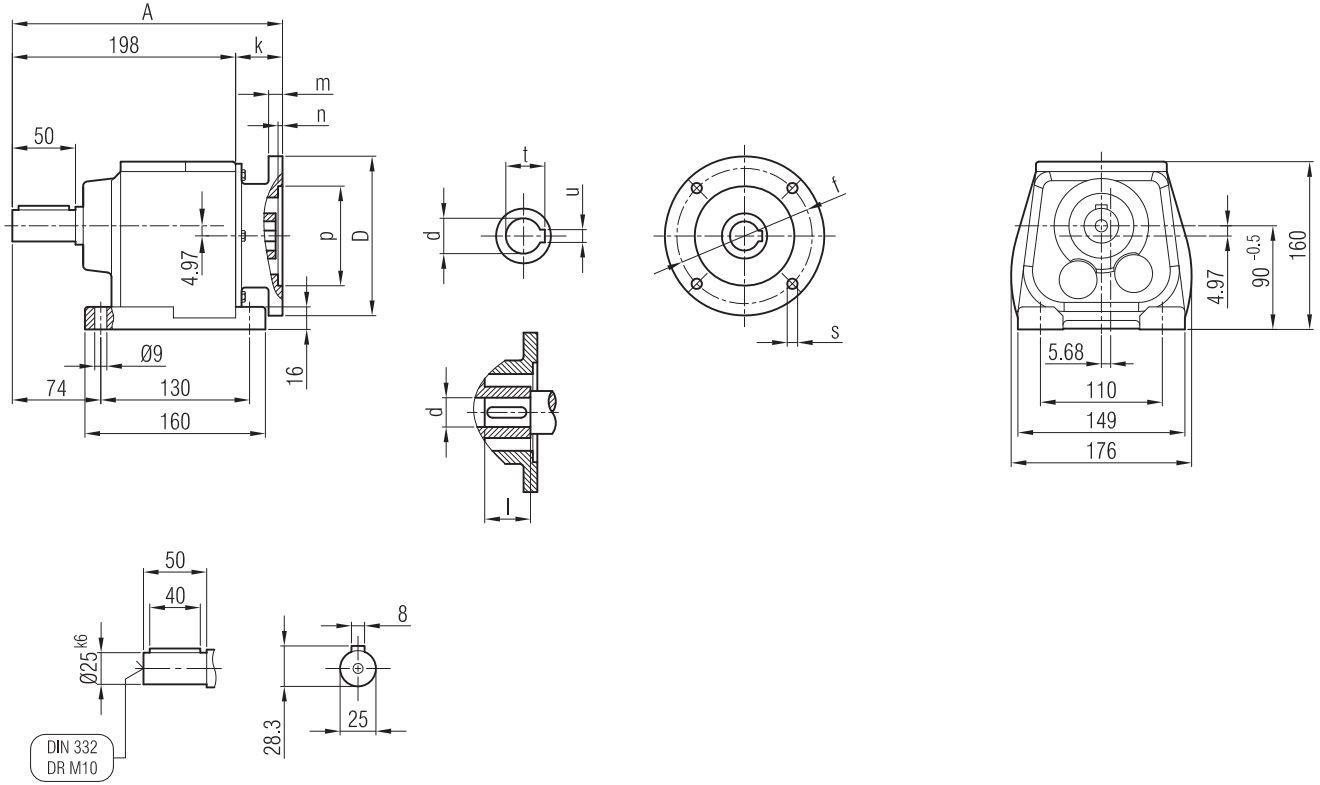
	A	Øp	Øf	ØD	s	k	m	n	Ød	l	t	u	x				
63/B5	200.5	95	115	140	M8	35.5	8	4	11	23	12.8	4	-				
71/B5	209	110	130	160	M8	44	9	4	14	30	16.3	5	-				
80/B5	211	130	165	200	M10	46	12	5	19	40	21.8	6	29				
90/B5	211	130	165	200	M10	46	12	5	24	50	27.3	8	29				





## İRAP 52

## İRAP 53



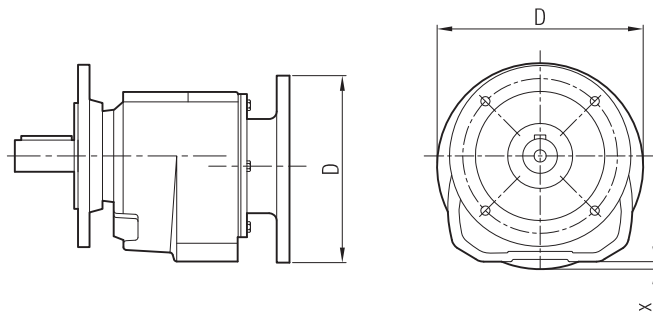
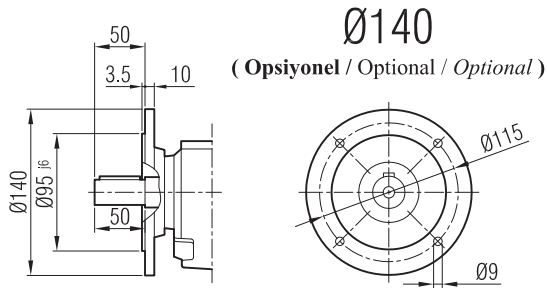
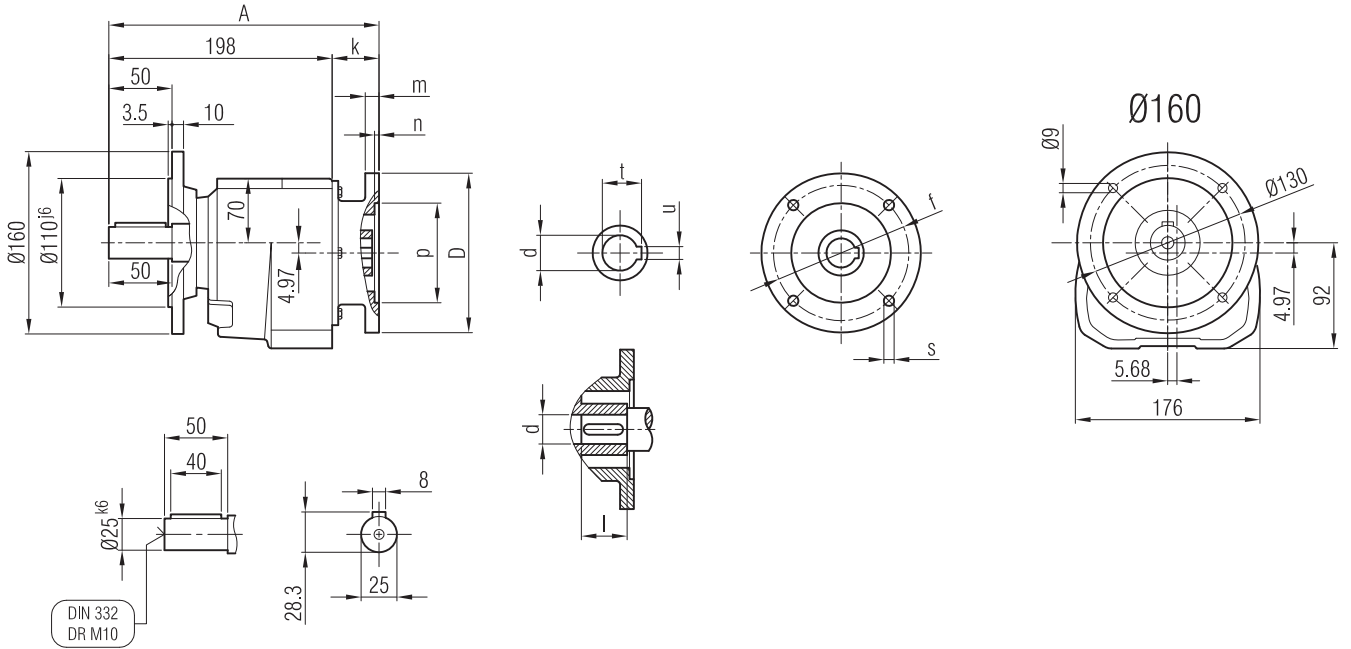
	A	$\varnothing p$	$\varnothing f$	$\varnothing D$	s	k	m	n	$\varnothing d$	l	t	u	x				
63/B5	233.5	95	115	140	M8	35.5	8	4	11	23	12.8	4	-				
71/B5	242	110	130	160	M8	44	9	4	14	30	16.3	5	-				
80/B5	244	130	165	200	M10	46	12	5	19	40	21.8	6	15				
90/B5	244	130	165	200	M10	46	12	5	24	50	27.3	8	15				
100/B5	258	180	215	250	M12	60	14	5	28	60	31.3	8	40				





## İRFP 52

## İRFP 53



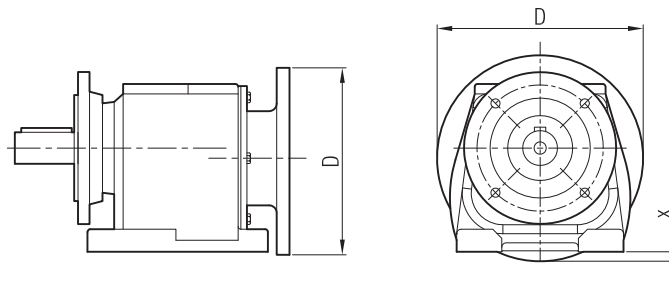
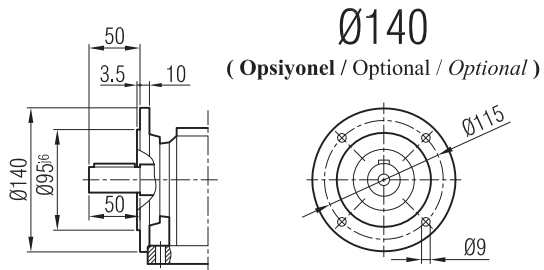
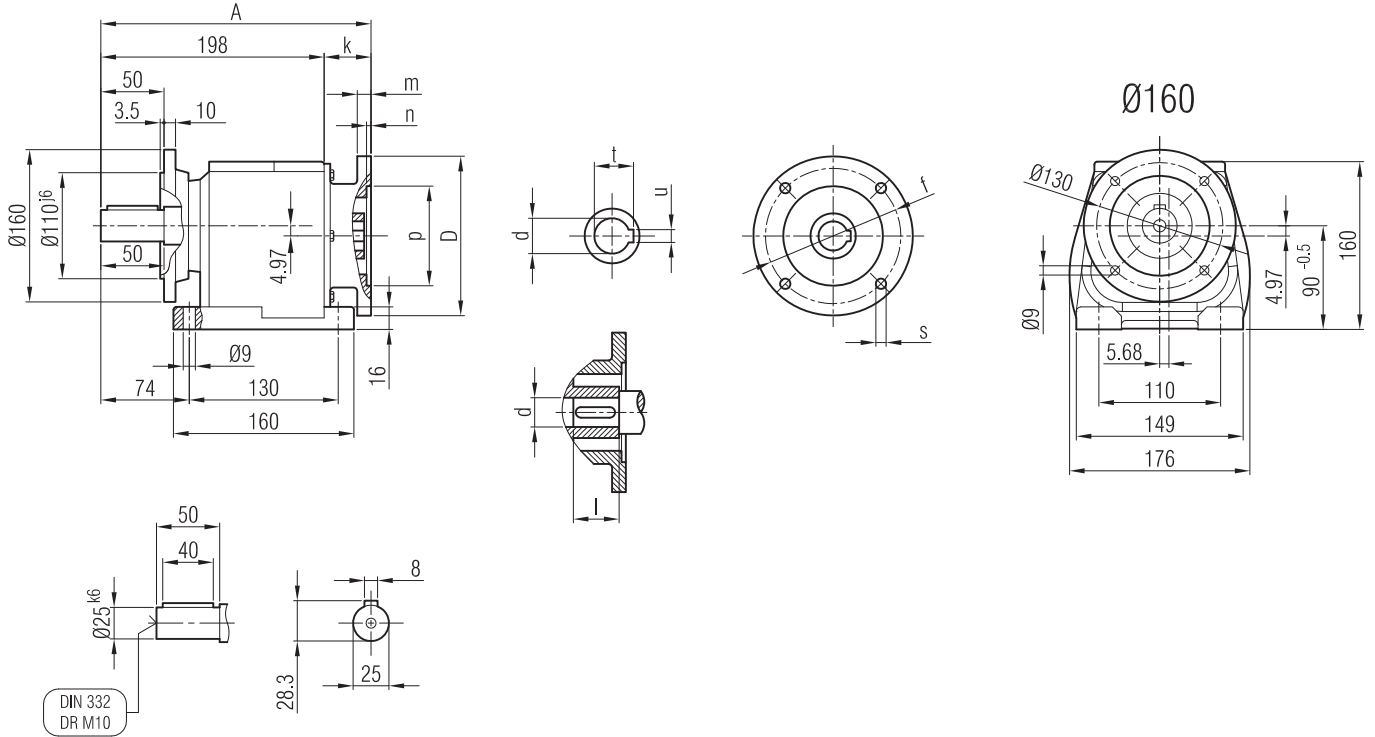
	A	Øp	Øf	ØD	s	k	m	n	Ød	l	t	u	x			
63/B5	233.5	95	115	140	M8	35.5	8	4	11	23	12.8	4	-			
71/B5	242	110	130	160	M8	44	9	4	14	30	16.3	5	-			
80/B5	244	130	165	200	M10	46	12	5	19	40	21.8	6	13			
90/B5	244	130	165	200	M10	46	12	5	24	50	27.3	8	13			
100/B5	258	180	215	250	M12	60	14	5	28	60	31.3	8	38			





## İRAFP 52

## İRAFP 53



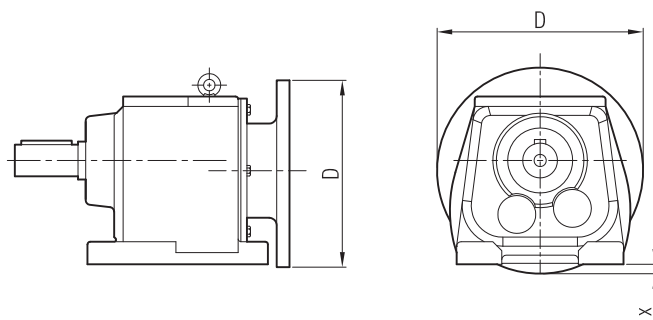
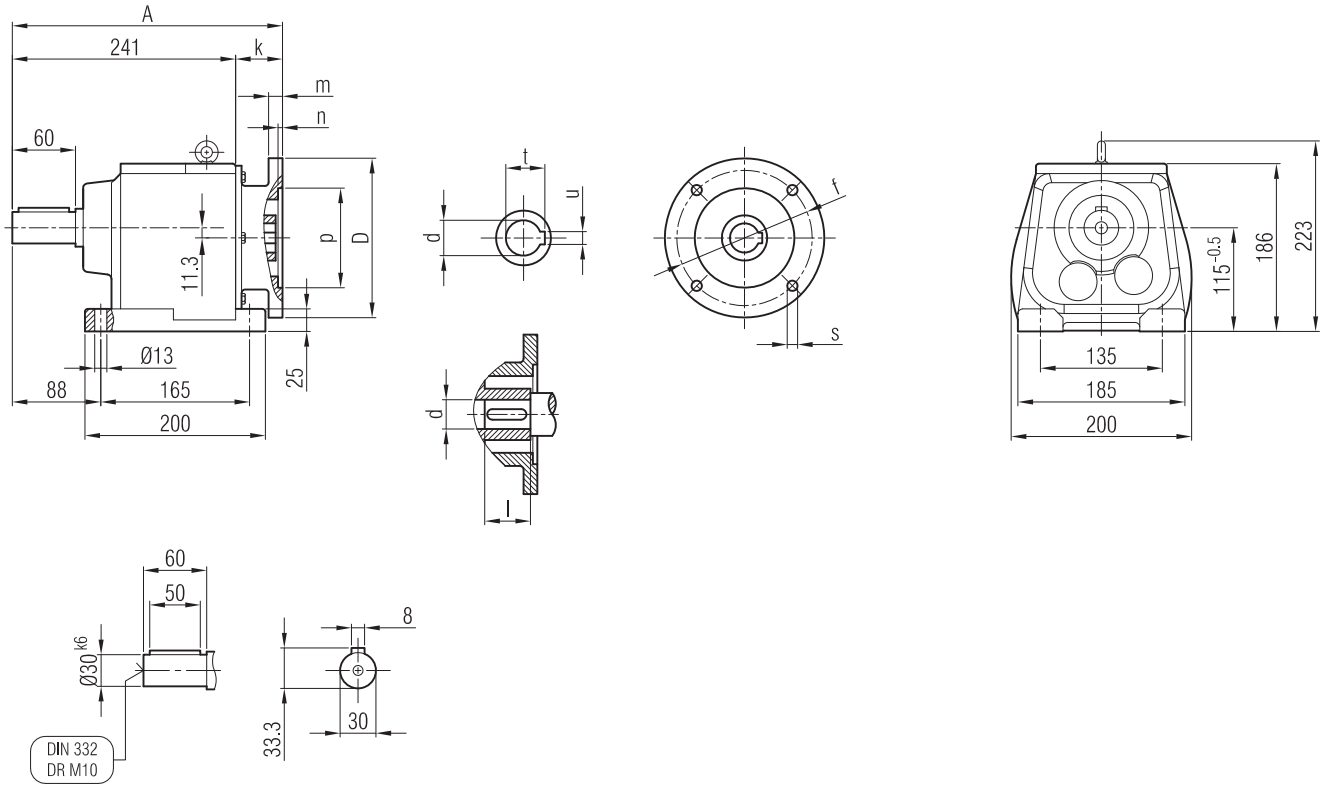
	A	Øp	Øf	ØD	s	k	m	n	Ød	l	t	u	x			
63/B5	233.5	95	115	140	M8	35.5	8	4	11	23	12.8	4	-			
71/B5	242	110	130	160	M8	44	9	4	14	30	16.3	5	-			
80/B5	244	130	165	200	M10	46	12	5	19	40	21.8	6	15			
90/B5	244	130	165	200	M10	46	12	5	24	50	27.3	8	15			
100/B5	258	180	215	250	M12	60	14	5	28	60	31.3	8	40			





## İRAP 621

## İRAP 631



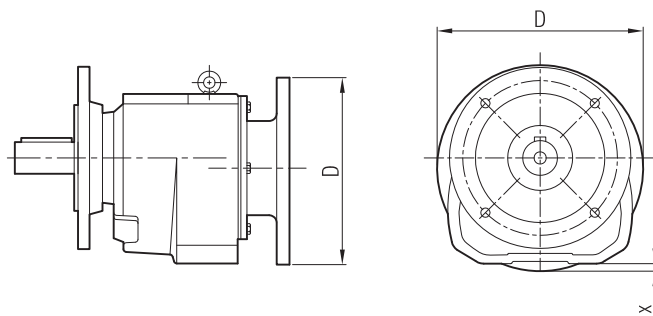
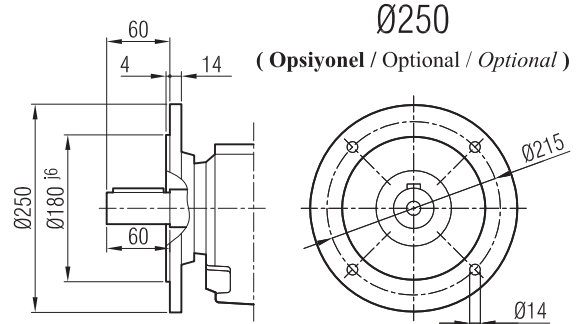
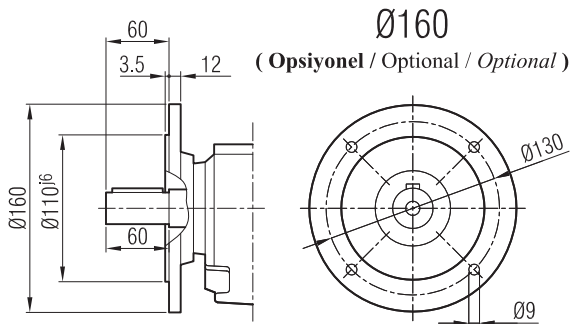
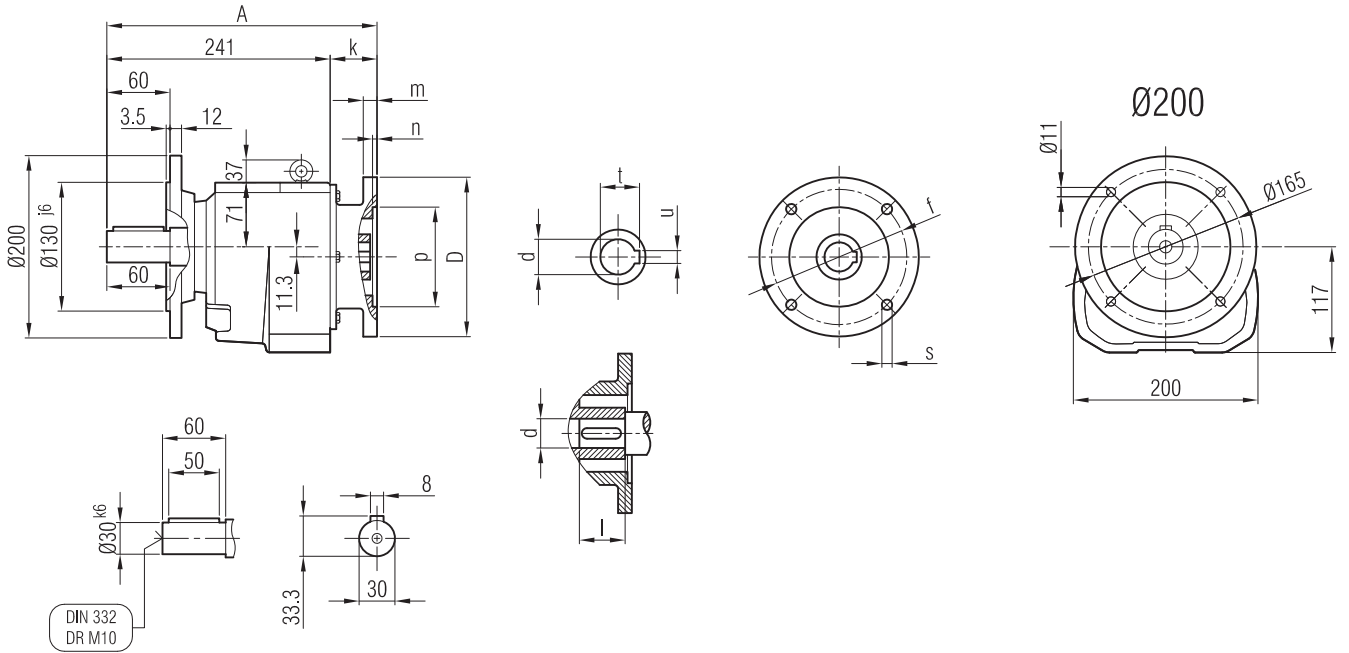
	A	$\varnothing p$	$\varnothing f$	$\varnothing D$	s	k	m	n	$\varnothing d$	l	t	u	x				
63/B5	276.5	95	115	140	M8	35,5	8	4	11	23	12.8	4	-				
71/B5	286	110	130	160	M8	45	9	4	14	30	16.3	5	-				
80/B5	291	130	165	200	M10	50	12	5	19	40	21.8	6	-				
90/B5	291	130	165	200	M10	50	12	5	24	50	27.3	8	-				
100/B5	304	180	215	250	M12	63	14	5	28	60	31.3	8	22				
112/B5	304	180	215	250	M12	63	14	5	28	60	31.3	8	22				
132/B5	320	230	265	300	M12	79	17	6	38	60	41.3	10	47				





## İRFP 621

## İRFP 631

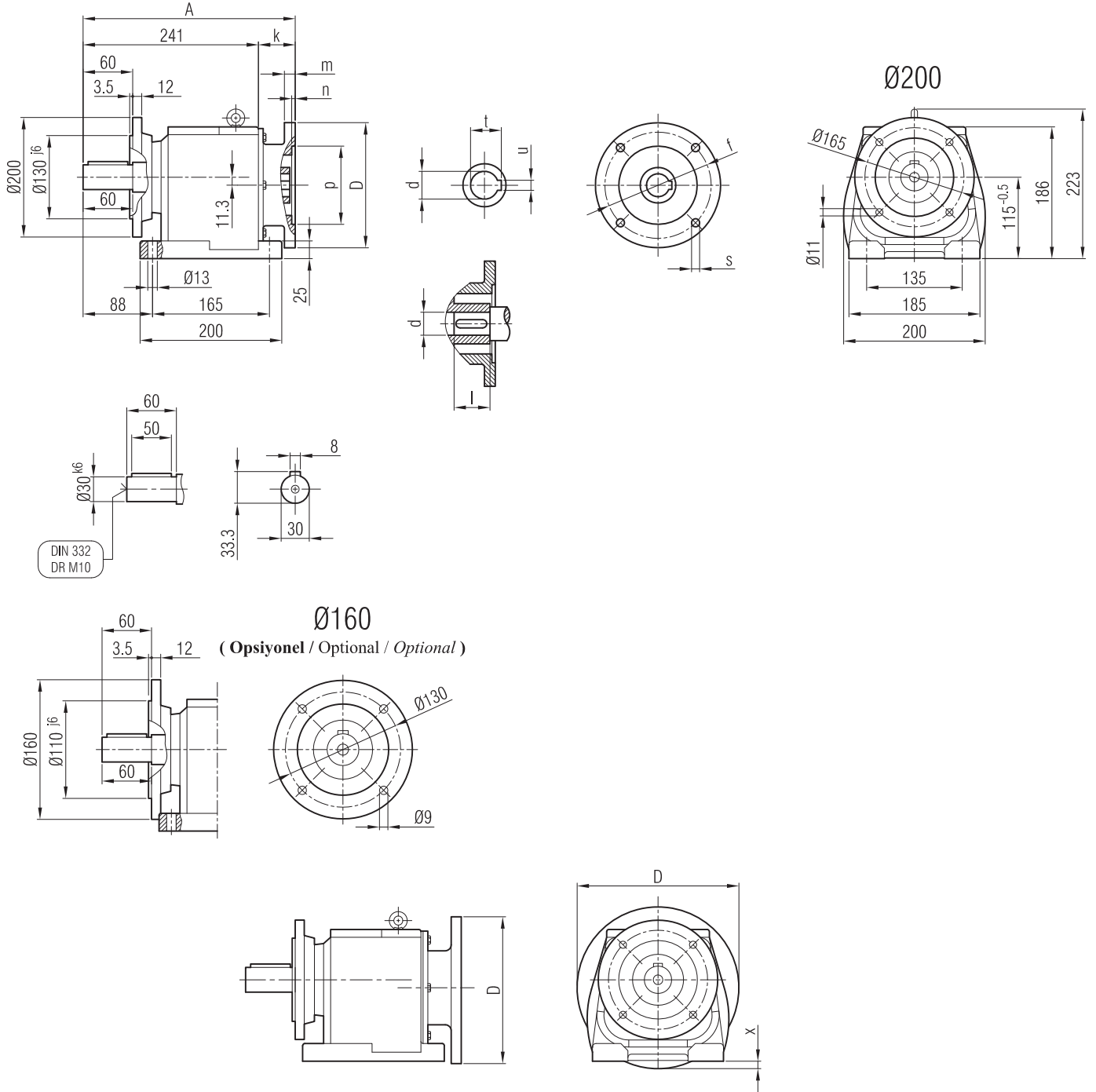


	A	Øp	Øf	ØD	s	k	m	n	Ød	l	t	u	x				
63/B5	276.5	95	115	140	M8	35,5	8	4	11	23	12.8	4	-				
71/B5	286	110	130	160	M8	45	9	4	14	30	16.3	5	-				
80/B5	291	130	165	200	M10	50	12	5	19	40	21.8	6	-				
90/B5	291	130	165	200	M10	50	12	5	24	50	27.3	8	-				
100/B5	304	180	215	250	M12	63	14	5	28	60	31.3	8	20				
112/B5	304	180	215	250	M12	63	14	5	28	60	31.3	8	20				
132/B5	320	230	265	300	M12	79	17	6	38	60	41.3	10	45				



### İRAFP 621

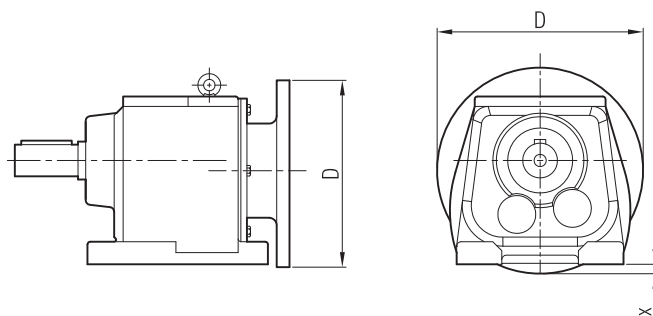
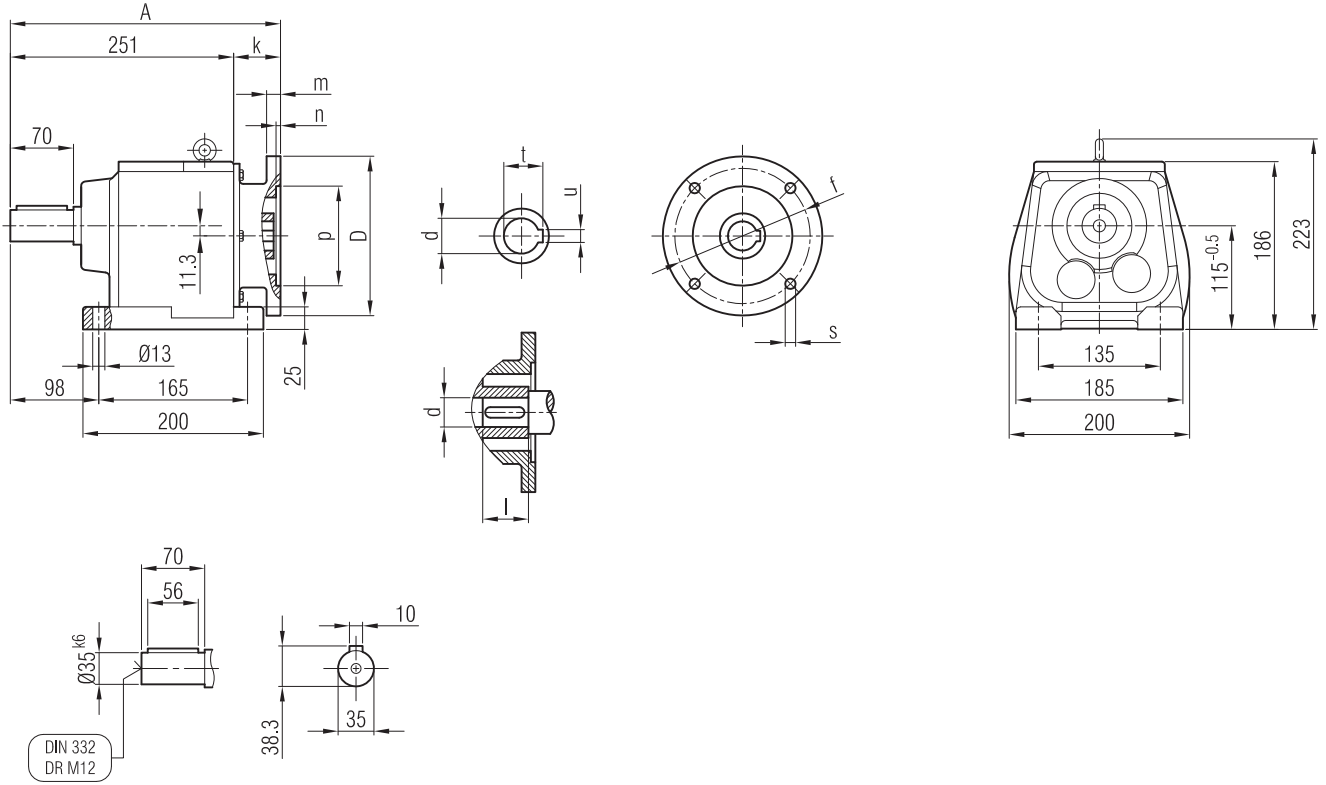
### İRAFP 631



	A	Øp	Øf	ØD	s	k	m	n	Ød	l	t	u	x			
63/B5	276.5	95	115	140	M8	35,5	8	4	11	23	12.8	4	-			
71/B5	286	110	130	160	M8	45	9	4	14	30	16.3	5	-			
80/B5	291	130	165	200	M10	50	12	5	19	40	21.8	6	-			
90/B5	291	130	165	200	M10	50	12	5	24	50	27.3	8	-			
100/B5	304	180	215	250	M12	63	14	5	28	60	31.3	8	22			
112/B5	304	180	215	250	M12	63	14	5	28	60	31.3	8	22			
132/B5	320	230	265	300	M12	79	17	6	38	60	41.3	10	47			



**İRAP 62**  
**İRAP 63**



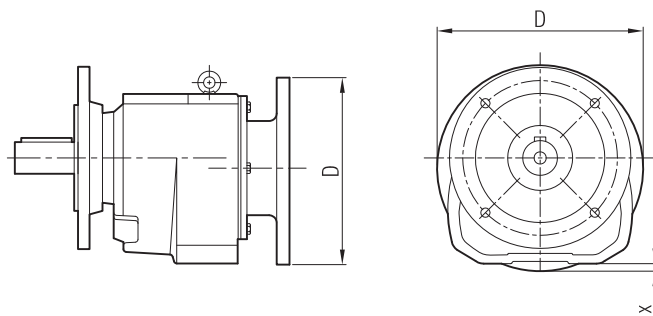
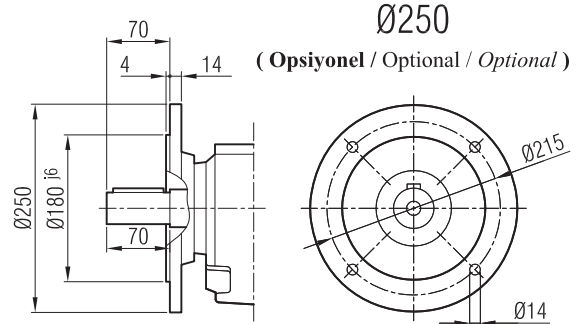
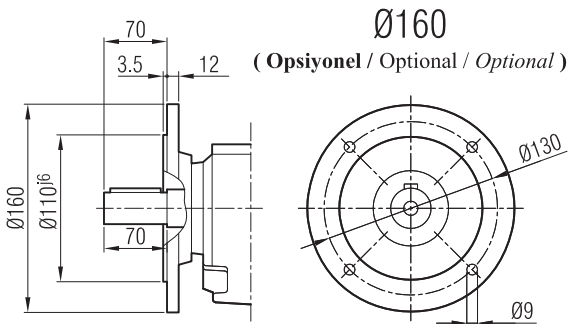
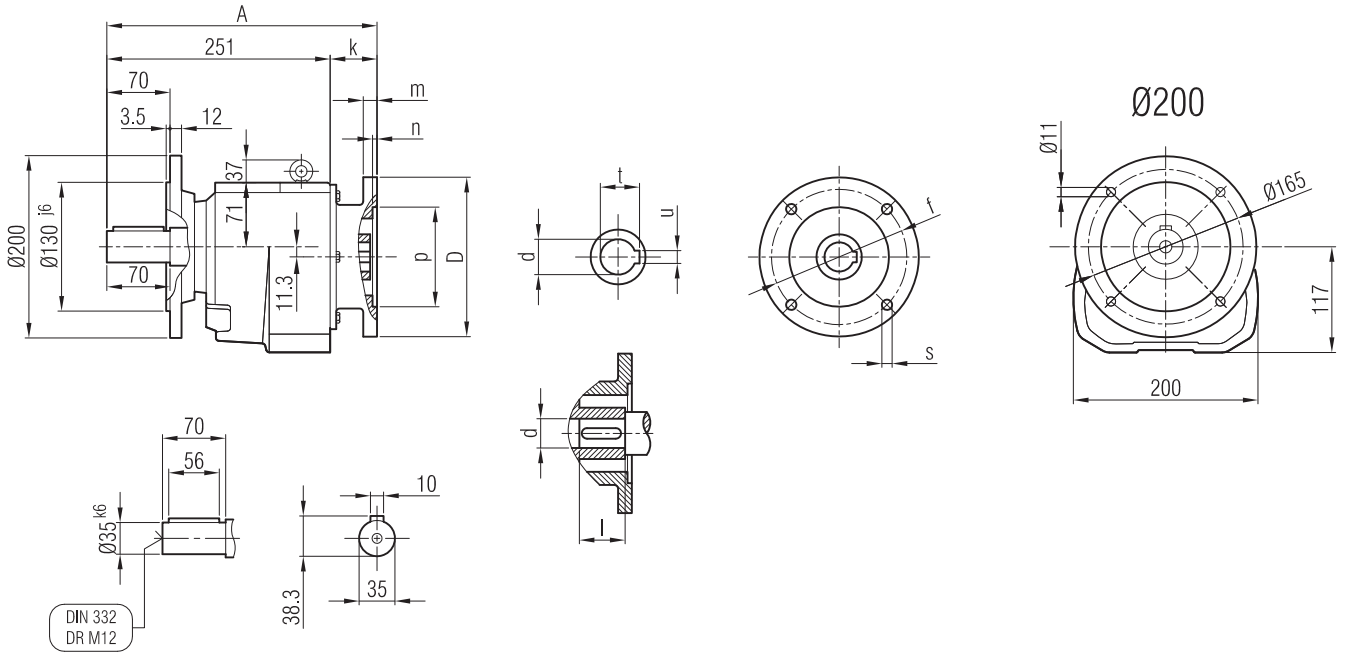
	A	Øp	Øf	ØD	s	k	m	n	Ød	l	t	u	x				
63/B5	286.5	95	115	140	M8	35,5	8	4	11	23	12.8	4	-				
71/B5	296	110	130	160	M8	45	9	4	14	30	16.3	5	-				
80/B5	301	130	165	200	M10	50	12	5	19	40	21.8	6	-				
90/B5	301	130	165	200	M10	50	12	5	24	50	27.3	8	-				
100/B5	314	180	215	250	M12	63	14	5	28	60	31.3	8	22				
112/B5	314	180	215	250	M12	63	14	5	28	60	31.3	8	22				
132/B5	330	230	265	300	M12	79	17	6	38	60	41.3	10	47				





## İRFP 62

## İRFP 63



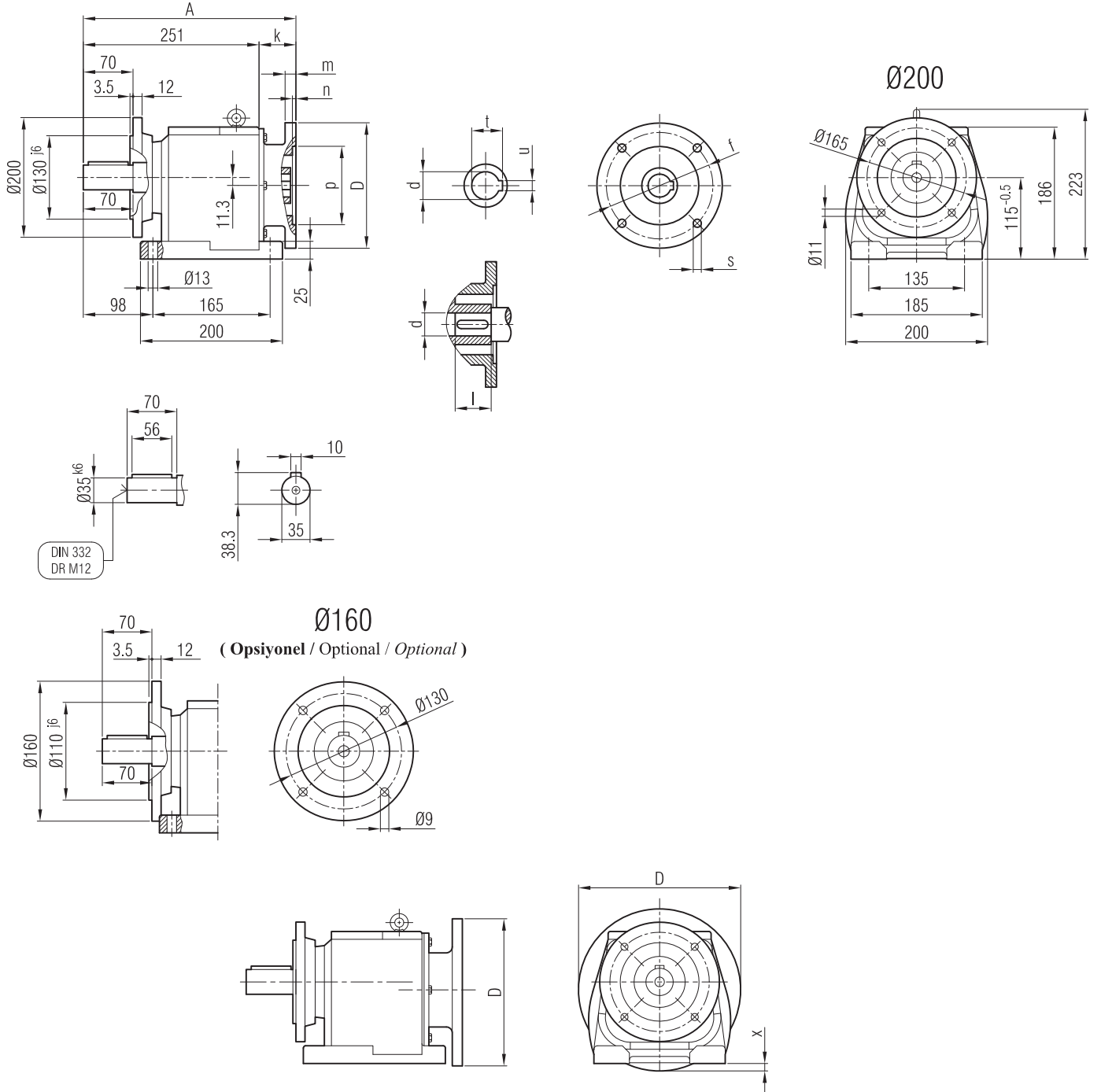
	A	Øp	Øf	ØD	s	k	m	n	Ød	l	t	u	x				
63/B5	286.5	95	115	140	M8	35,5	8	4	11	23	12.8	4	-				
71/B5	296	110	130	160	M8	45	9	4	14	30	16.3	5	-				
80/B5	301	130	165	200	M10	50	12	5	19	40	21.8	6	-				
90/B5	301	130	165	200	M10	50	12	5	24	50	27.3	8	-				
100/B5	314	180	215	250	M12	63	14	5	28	60	31.3	8	20				
112/B5	314	180	215	250	M12	63	14	5	28	60	31.3	8	20				
132/B5	330	230	265	300	M12	79	17	6	38	60	41.3	10	45				





## İRAFP 62

## İRAFP 63



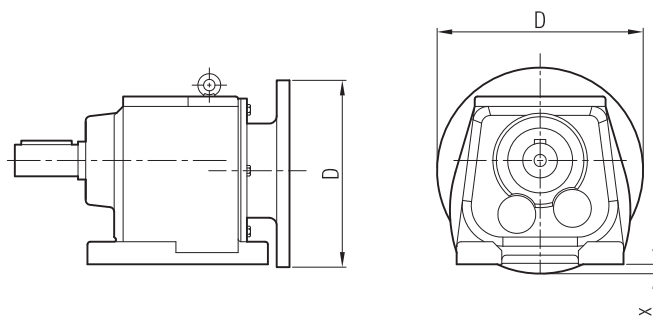
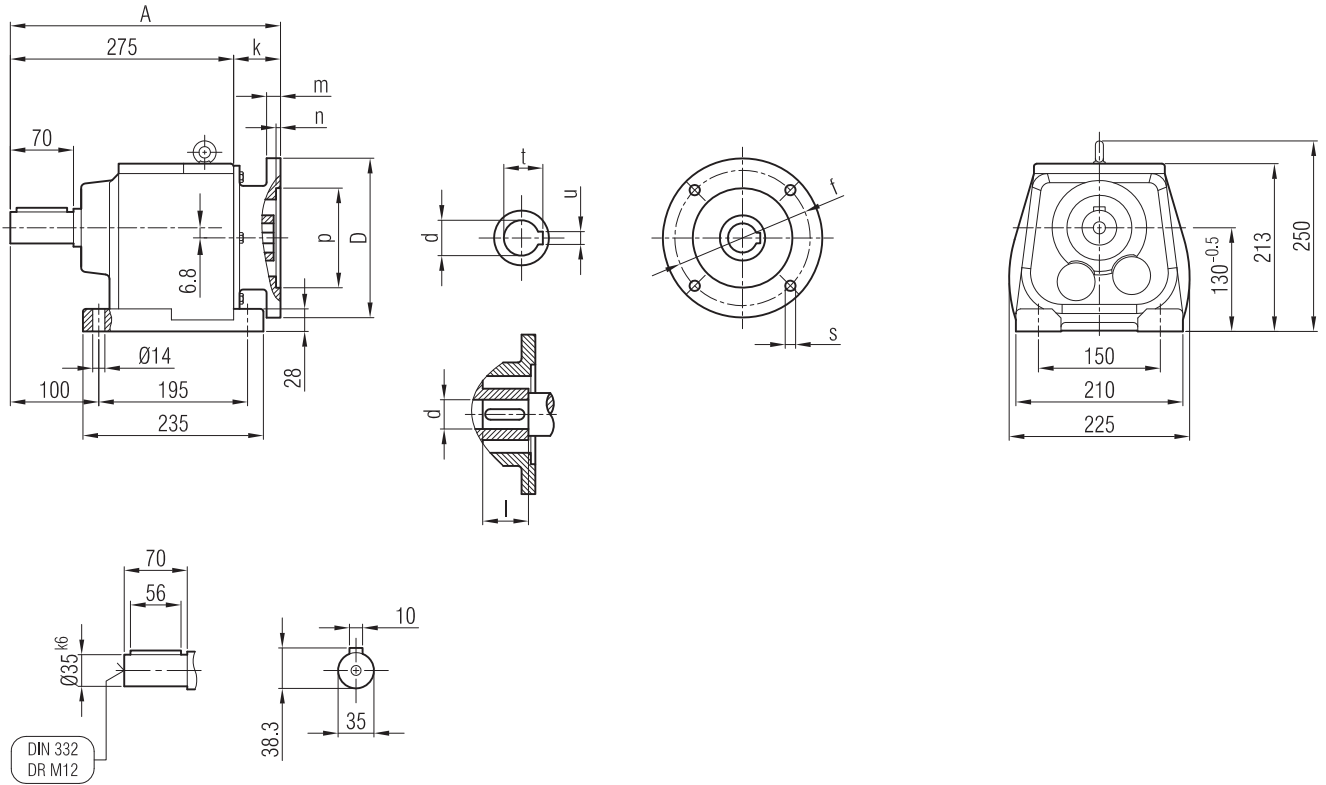
	A	Øp	Øf	ØD	s	k	m	n	Ød	l	t	u	x			
63/B5	286.5	95	115	140	M8	35,5	8	4	11	23	12.8	4	-			
71/B5	296	110	130	160	M8	45	9	4	14	30	16.3	5	-			
80/B5	301	130	165	200	M10	50	12	5	19	40	21.8	6	-			
90/B5	301	130	165	200	M10	50	12	5	24	50	27.3	8	-			
100/B5	314	180	215	250	M12	63	14	5	28	60	31.3	8	22			
112/B5	314	180	215	250	M12	63	14	5	28	60	31.3	8	22			
132/B5	330	230	265	300	M12	79	17	6	38	60	41.3	10	47			





**İRAP 721**

**İRAP 731**



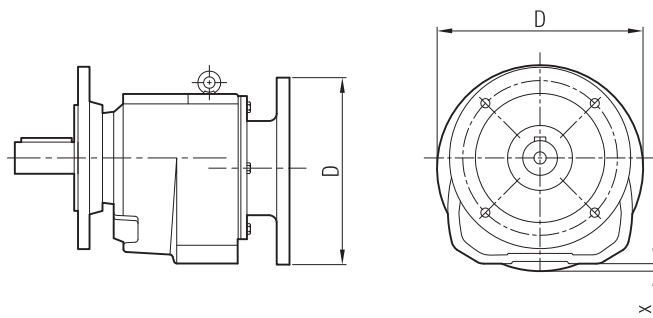
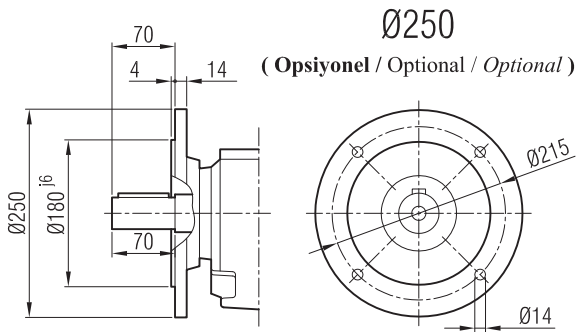
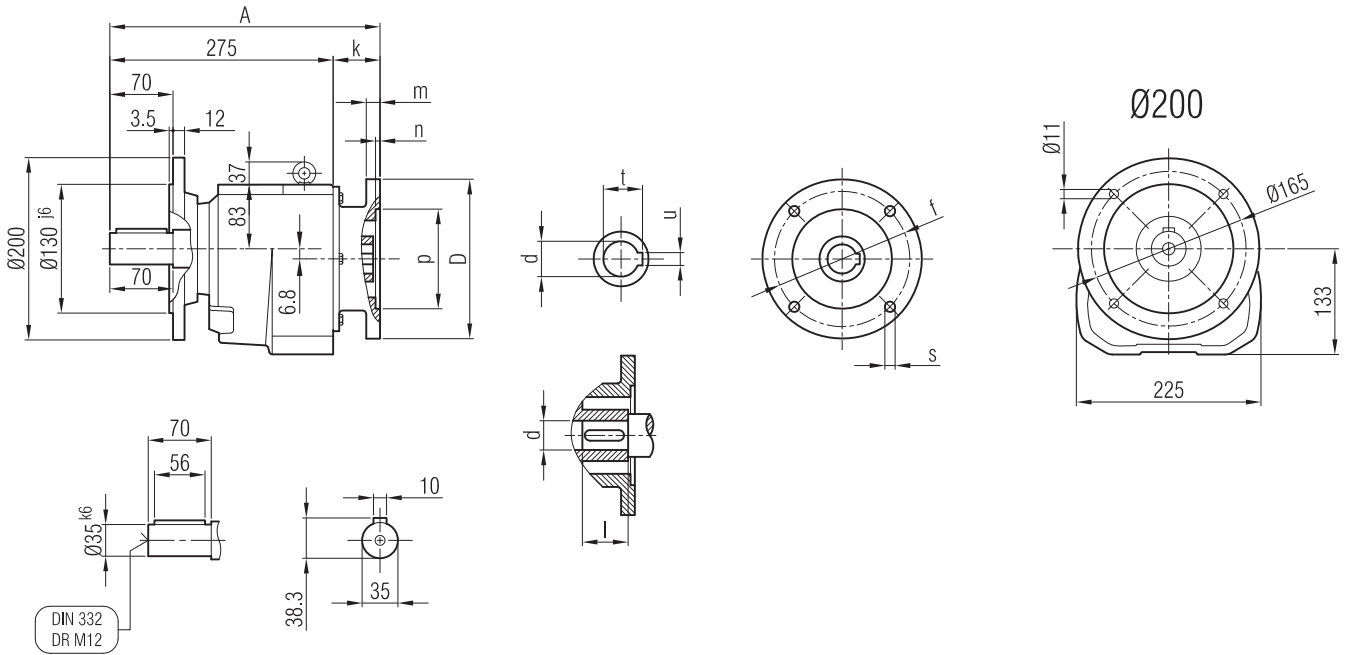
	A	Øp	Øf	ØD	s	k	m	n	Ød	l	t	u	x			
71/B5	330	110	130	160	M8	55	10	4	14	30	16.3	5	-			
80/B5	342	130	165	200	M10	67	12	5	19	40	21.8	6	-			
90/B5	342	130	165	200	M10	67	12	5	24	50	27.3	8	-			
100/B5	346.5	180	215	250	M12	71.5	14	5	28	60	31.3	8	1.8			
112/B5	346.5	180	215	250	M12	71.5	14	5	28	60	31.3	8	1.8			
132/B5	370.5	230	265	300	M12	95.5	17	5	38	80	41.3	10	26.8			





## İRFP 721

## İRFP 731



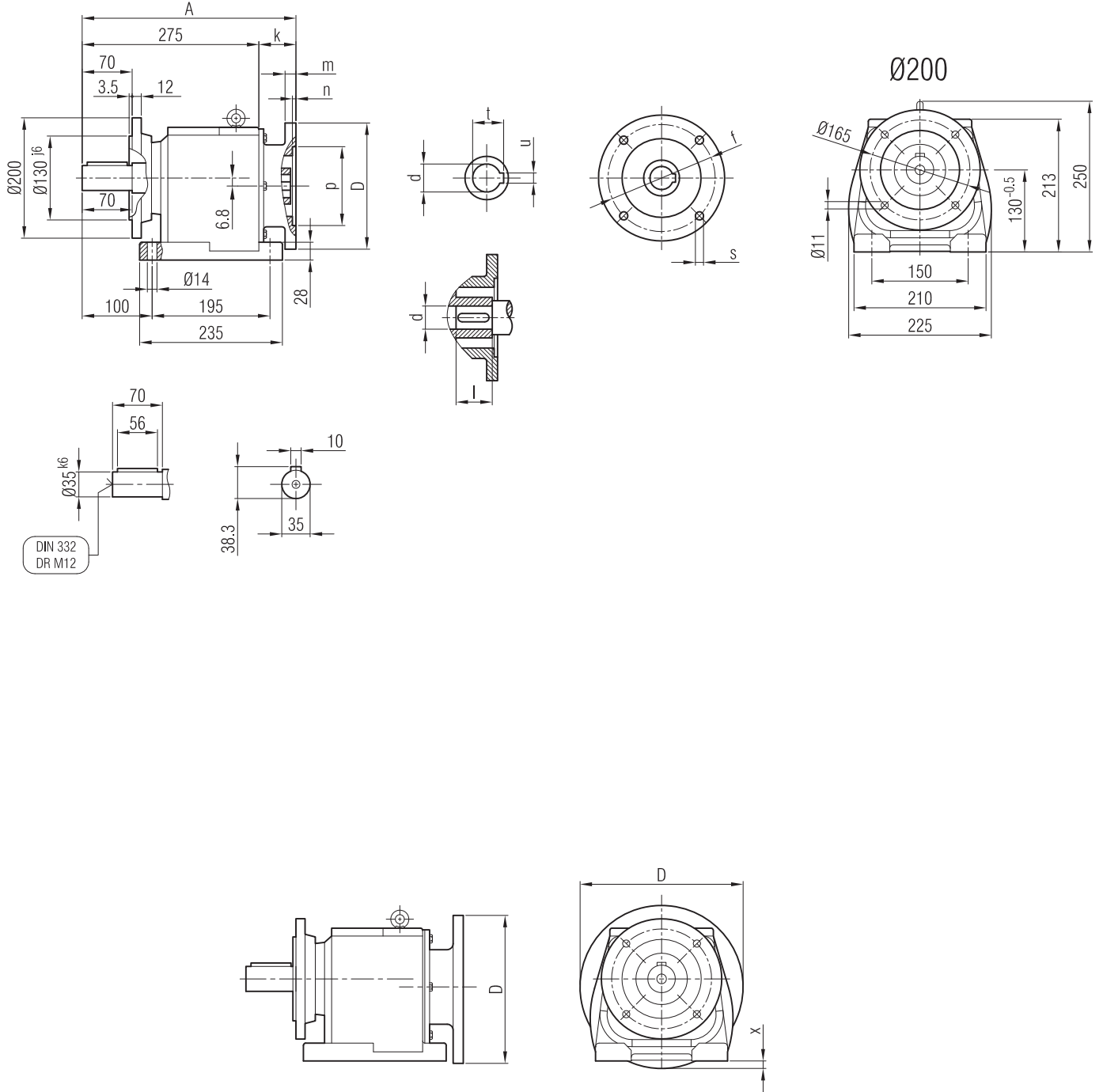
	A	Øp	Øf	ØD	s	k	m	n	Ød	l	t	u	x			
71/B5	330	110	130	160	M8	55	10	4	14	30	16.3	5	-			
80/B5	342	130	165	200	M10	67	12	5	19	40	21.8	6	-			
90/B5	342	130	165	200	M10	67	12	5	24	50	27.3	8	-			
100/B5	346.5	180	215	250	M12	71.5	14	5	28	60	31.3	8	-			
112/B5	346.5	180	215	250	M12	71.5	14	5	28	60	31.3	8	-			
132/B5	370.5	230	265	300	M12	95.5	17	5	38	80	41.3	10	23.8			





## İRAFP 721

## İRAFP 731



	A	$\varnothing p$	$\varnothing f$	$\varnothing D$	s	k	m	n	$\varnothing d$	l	t	u	x			
71/B5	330	110	130	160	M8	55	10	4	14	30	16.3	5	-			
80/B5	342	130	165	200	M10	67	12	5	19	40	21.8	6	-			
90/B5	342	130	165	200	M10	67	12	5	24	50	27.3	8	-			
100/B5	346.5	180	215	250	M12	71.5	14	5	28	60	31.3	8	1.8			
112/B5	346.5	180	215	250	M12	71.5	14	5	28	60	31.3	8	1.8			
132/B5	370.5	230	265	300	M12	95.5	17	5	38	80	41.3	10	26.8			

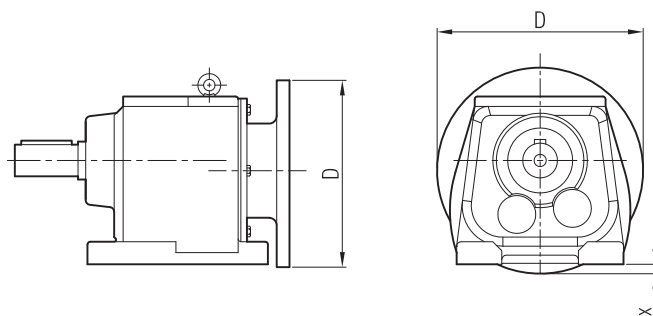
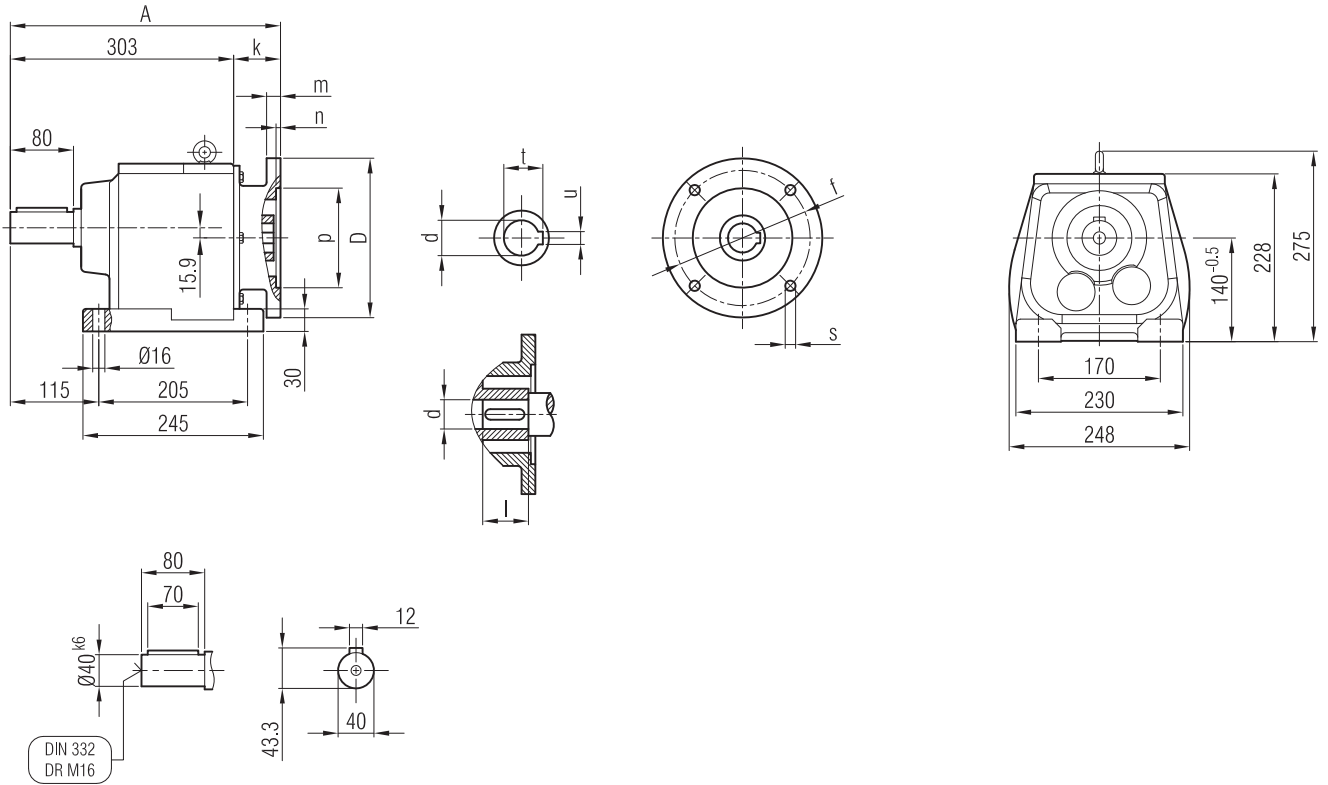






## İRAP 72

## İRAP 73



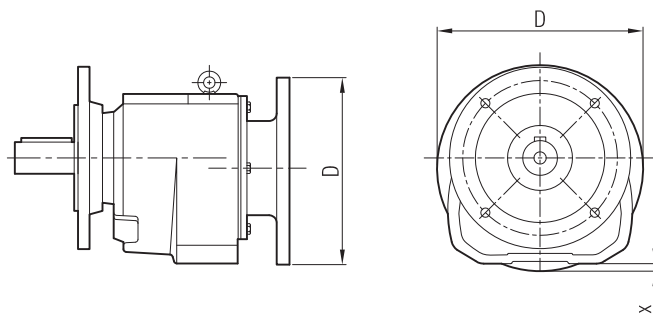
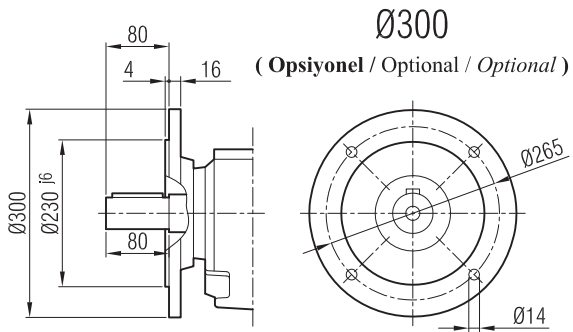
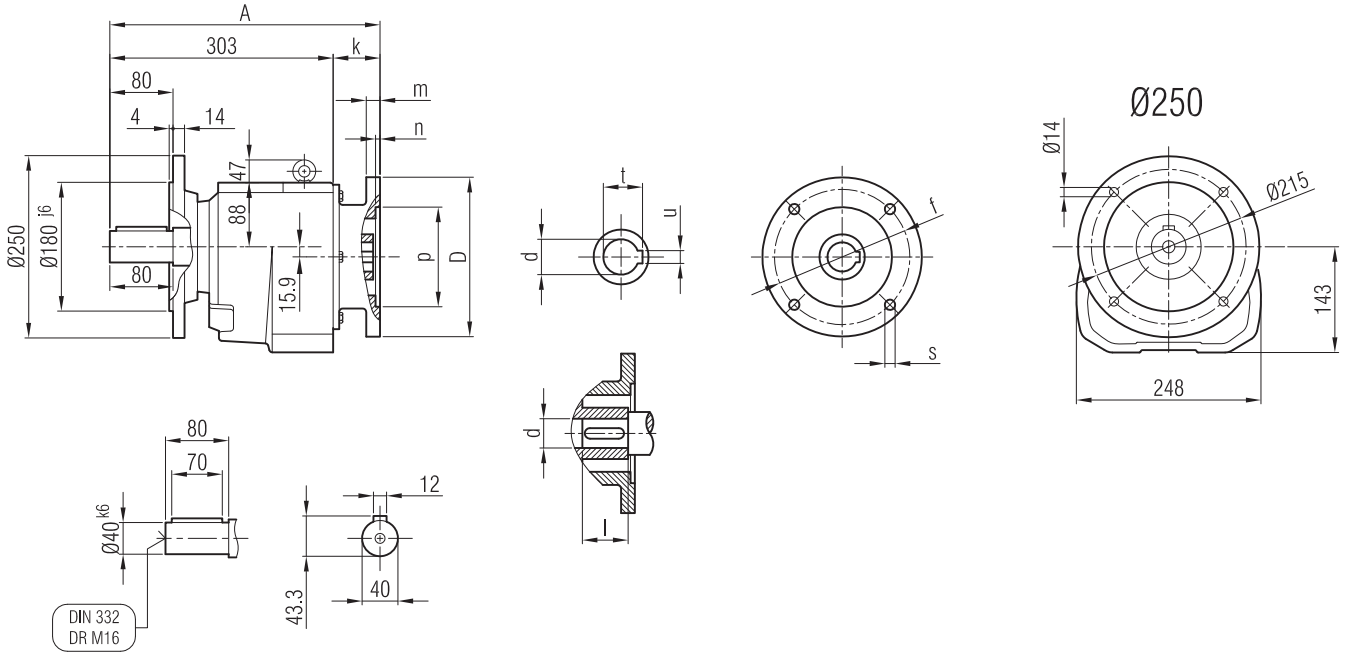
	A	Øp	Øf	ØD	s	k	m	n	Ød	l	t	u	x				
71/B5	358	110	130	160	M8	55	10	4	14	30	16.3	5	-				
80/B5	370	130	165	200	M10	67	12	5	19	40	21.8	6	-				
90/B5	370	130	165	200	M10	67	12	5	24	50	27.3	8	-				
100/B5	374.5	180	215	250	M12	71.5	14	5	28	60	31.3	8	1				
112/B5	374.5	180	215	250	M12	71.5	14	5	28	60	31.3	8	1				
132/B5	398.5	230	265	300	M12	95.5	17	5	38	80	41.3	10	26				





## İRFP 72

## İRFP 73



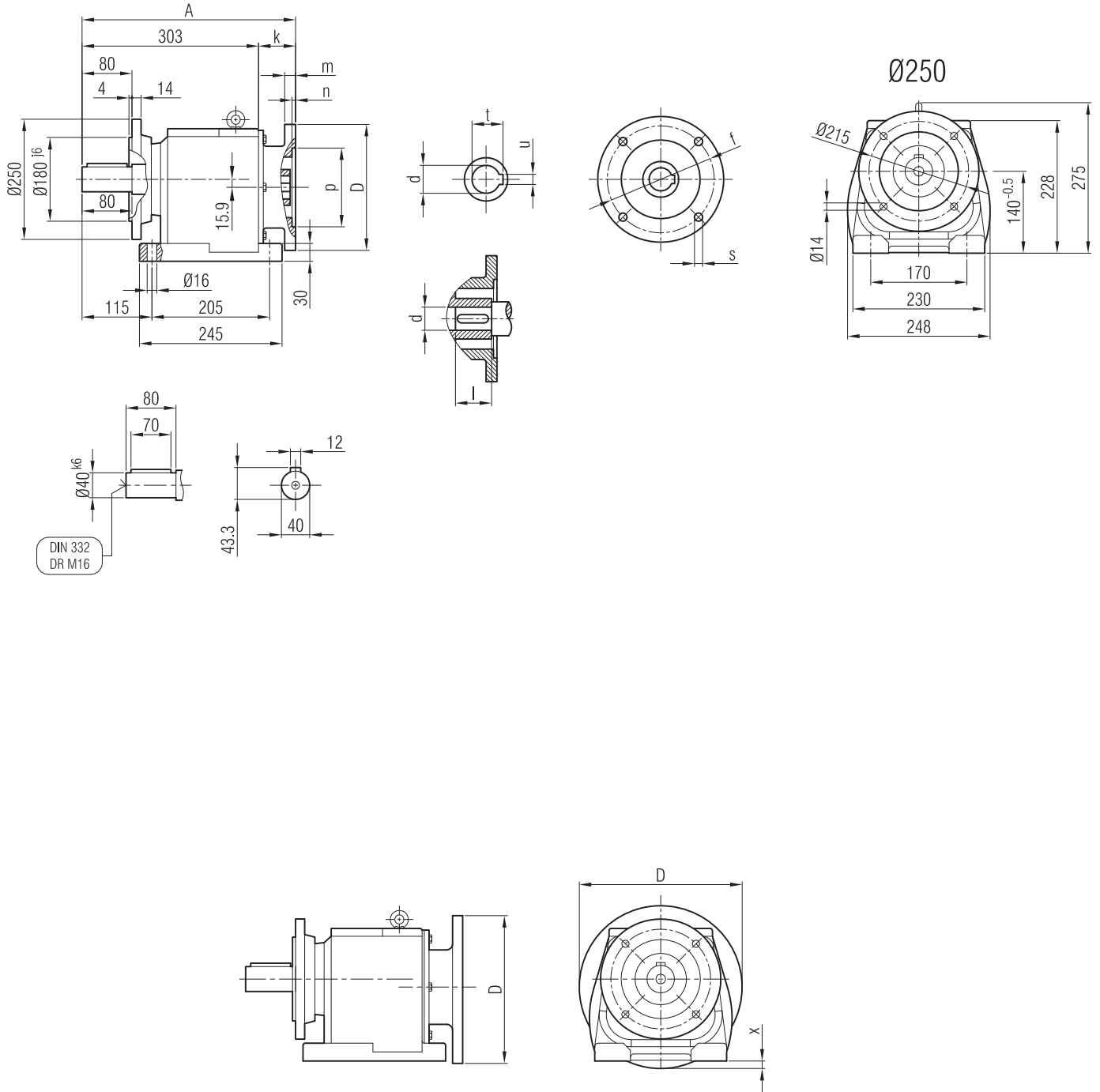
	A	Øp	Øf	ØD	s	k	m	n	Ød	l	t	u	x			
71/B5	358	110	130	160	M8	55	10	4	14	30	16.3	5	-			
80/B5	370	130	165	200	M10	67	12	5	19	40	21.8	6	-			
90/B5	370	130	165	200	M10	67	12	5	24	50	27.3	8	-			
100/B5	374.5	180	215	250	M12	71.5	14	5	28	60	31.3	8	-			
112/B5	374.5	180	215	250	M12	71.5	14	5	28	60	31.3	8	-			
132/B5	398.5	230	265	300	M12	95.5	17	5	38	80	41.3	10	23			





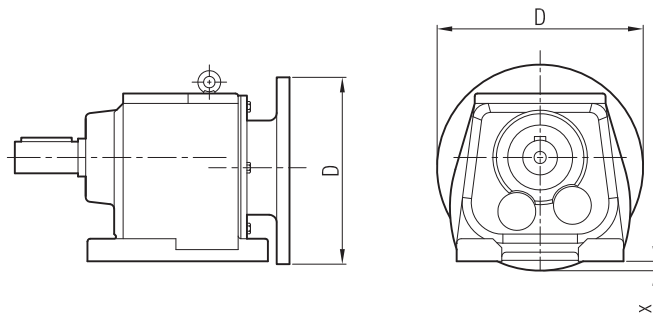
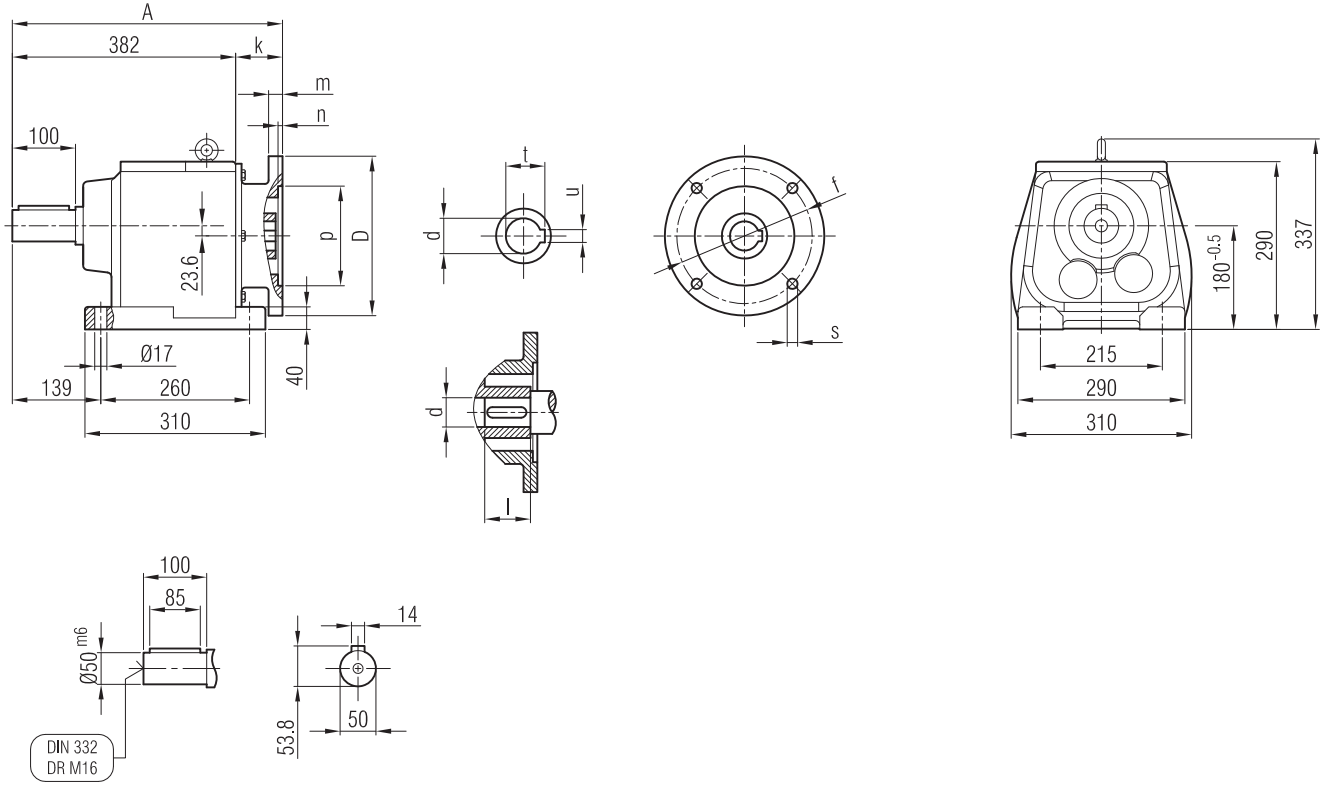
## İRAFP 72

## İRAFP 73



	A	$\varnothing p$	$\varnothing f$	$\varnothing D$	s	k	m	n	$\varnothing d$	l	t	u	x			
71/B5	358	110	130	160	M8	55	10	4	14	30	16.3	5	-			
80/B5	370	130	165	200	M10	67	12	5	19	40	21.8	6	-			
90/B5	370	130	165	200	M10	67	12	5	24	50	27.3	8	-			
100/B5	374.5	180	215	250	M12	71.5	14	5	28	60	31.3	8	1			
112/B5	374.5	180	215	250	M12	71.5	14	5	28	60	31.3	8	1			
132/B5	398.5	230	265	300	M12	95.5	17	5	38	80	41.3	10	26			



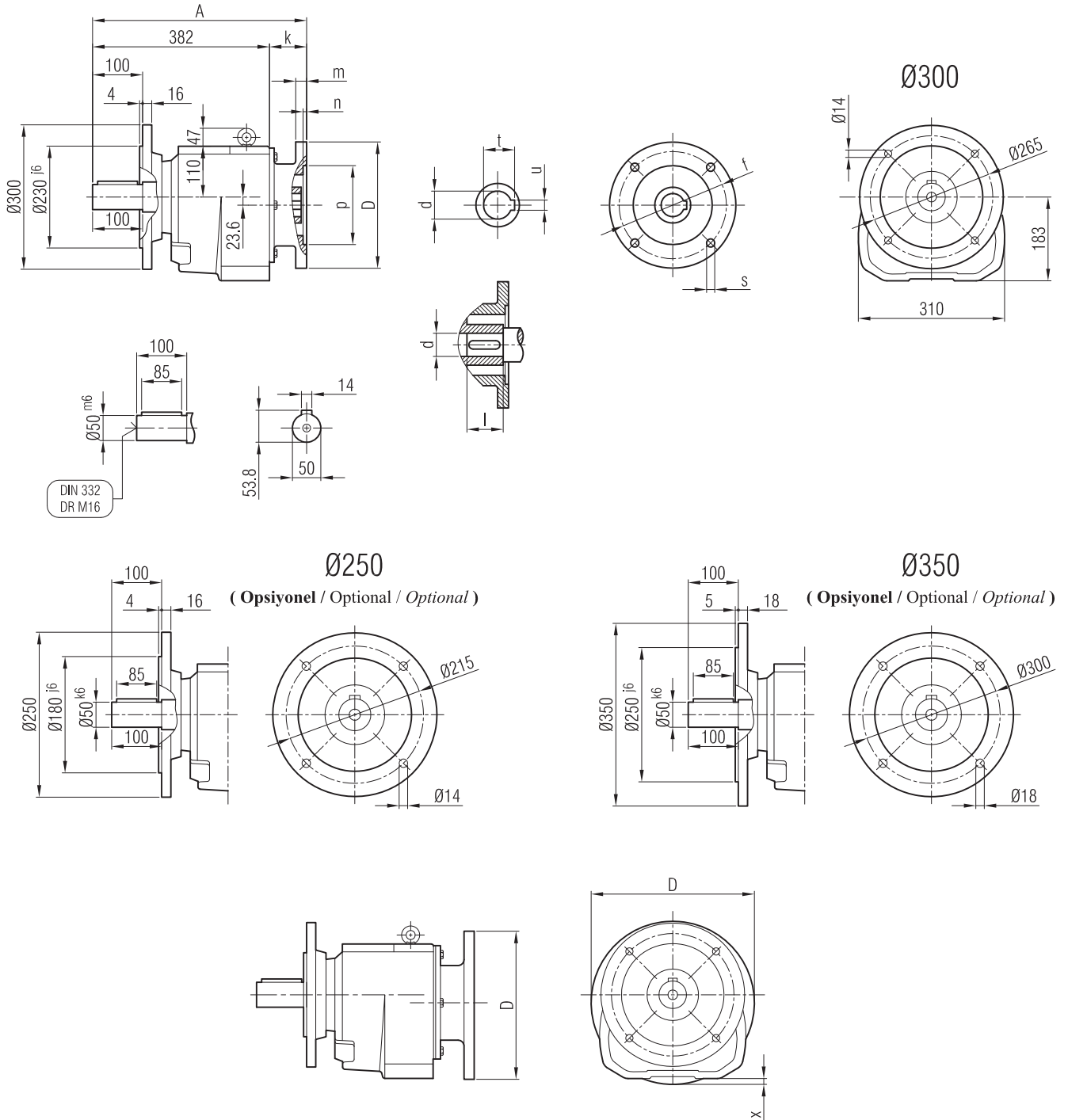

**İRAP 82**
**İRAP 83**


	A	$\varnothing p$	$\varnothing f$	$\varnothing D$	s	k	m	n	$\varnothing d$	l	t	u	x				
80/B5	449	130	165	200	M10	67	12	5	19	40	21.8	6	-				
90/B5	449	130	165	200	M10	67	12	5	24	50	27.3	8	-				
100/B5	456	180	215	250	M12	74	14	5	28	60	31.3	8	-				
112/B5	456	180	215	250	M12	74	14	5	28	60	31.3	8	-				
132/B5	477	230	265	300	M12	95	17	6	38	80	41.3	10	-				
160/B5	493	250	300	350	M14	111	18	6.5	42	110	45.3	12	19				
180/B5	493	250	300	350	M14	111	18	6.5	48	110	51.8	14	19				



## İRFP 82

## İRFP 83

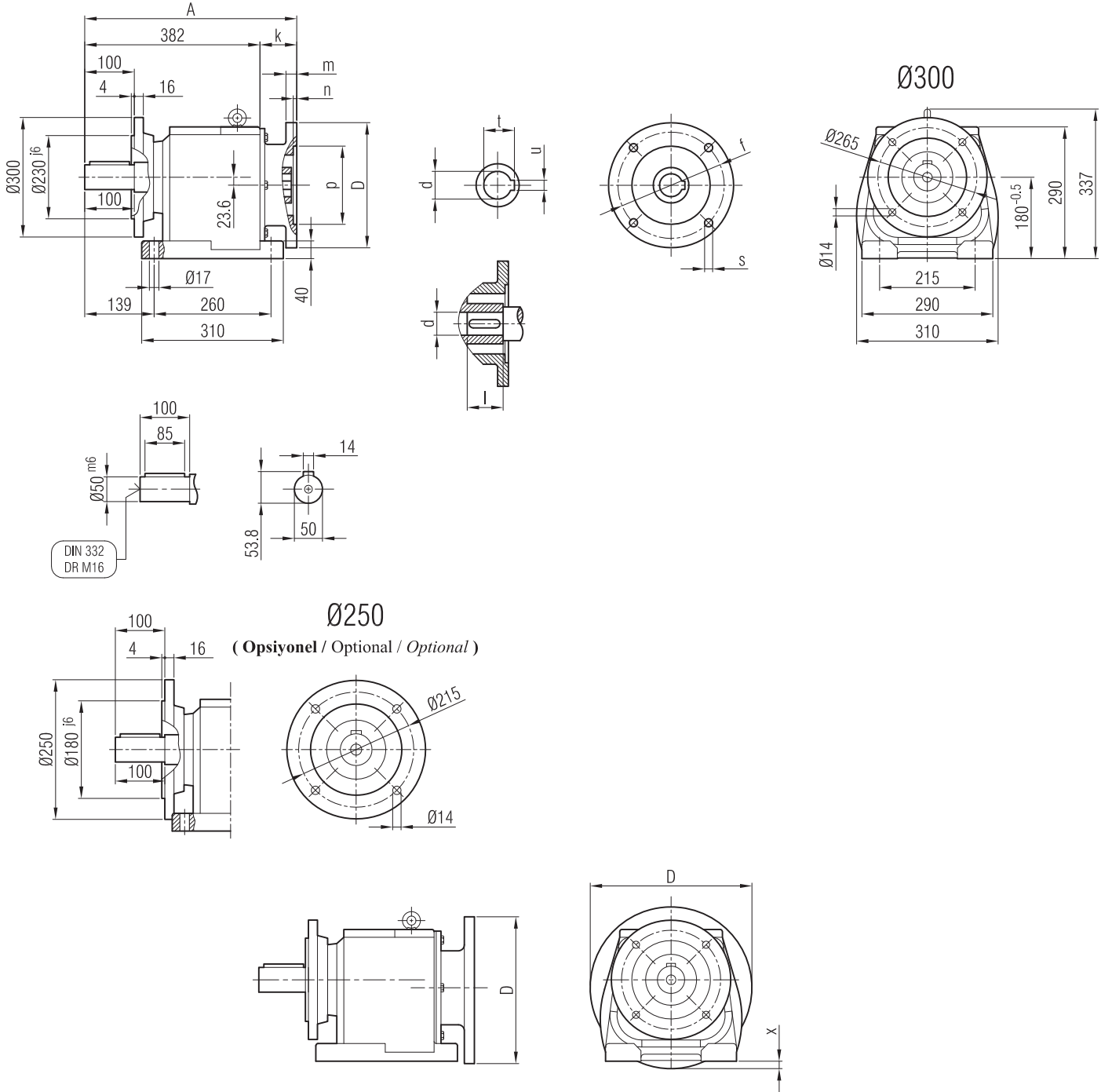


	A	$\text{Ø}p$	$\text{Ø}f$	$\text{Ø}D$	s	k	m	n	$\text{Ø}d$	l	t	u	x				
80/B5	449	130	165	200	M10	67	12	5	19	40	21.8	6	-				
90/B5	449	130	165	200	M10	67	12	5	24	50	27.3	8	-				
100/B5	456	180	215	250	M12	74	14	5	28	60	31.3	8	-				
112/B5	456	180	215	250	M12	74	14	5	28	60	31.3	8	-				
132/B5	477	230	265	300	M12	95	17	6	38	80	41.3	10	-				
160/B5	493	250	300	350	M14	111	18	6.5	42	110	45.3	12	16				
180/B5	493	250	300	350	M14	111	18	6.5	48	110	51.8	14	16				





**İRAFP 82**  
**İRAFP 83**



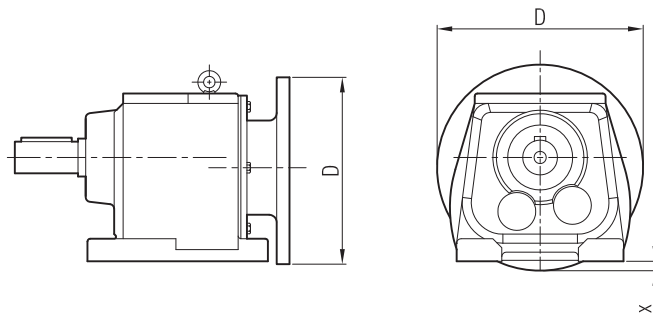
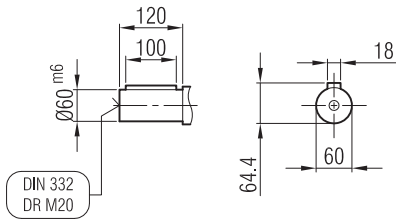
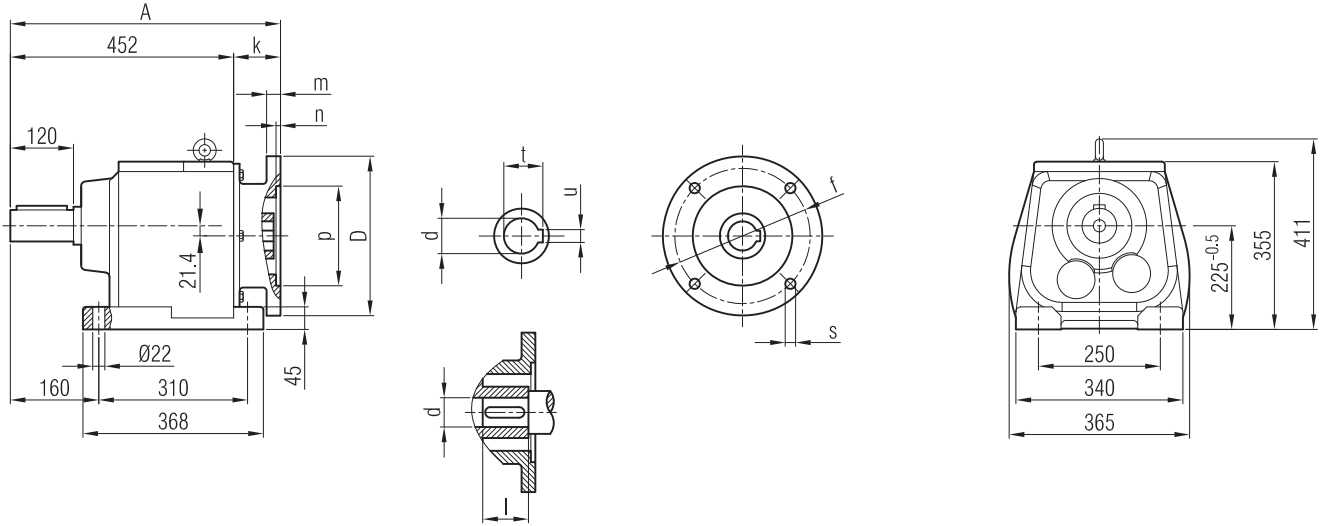
	A	Øp	Øf	ØD	s	k	m	n	Ød	l	t	u	x				
80/B5	449	130	165	200	M10	67	12	5	19	40	21.8	6	-				
90/B5	449	130	165	200	M10	67	12	5	24	50	27.3	8	-				
100/B5	456	180	215	250	M12	74	14	5	28	60	31.3	8	-				
112/B5	456	180	215	250	M12	74	14	5	28	60	31.3	8	-				
132/B5	477	230	265	300	M12	95	17	6	38	80	41.3	10	-				
160/B5	493	250	300	350	M14	111	18	6.5	42	110	45.3	12	19				
180/B5	493	250	300	350	M14	111	18	6.5	48	110	51.8	14	19				





## İRAP 92

## İRAP 93



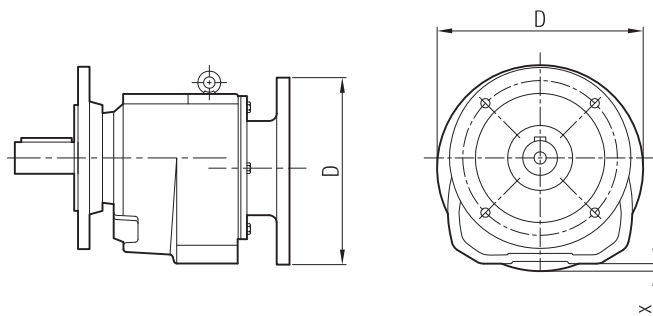
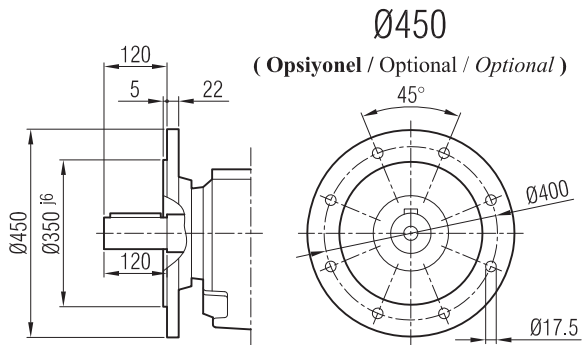
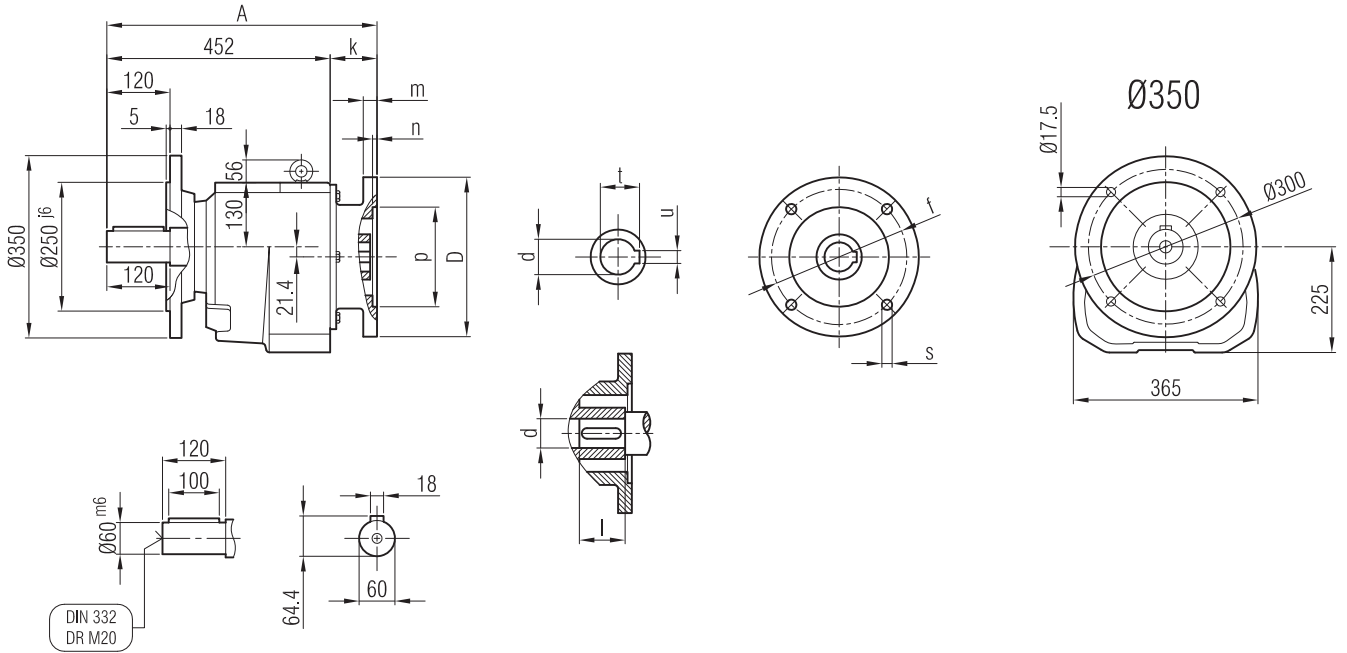
	A	Øp	Øf	ØD	s	k	m	n	Ød	l	t	u	x				
80/B5	501	130	165	200	M10	49	12	5	19	40	21.8	6	-				
90/B5	501	130	165	200	M10	49	12	5	24	50	27.3	8	-				
100/B5	510	180	215	250	M12	58	14	5	28	60	31.3	8	-				
112/B5	510	180	215	250	M12	58	14	5	28	60	31.3	8	-				
132/B5	547	230	265	300	M12	95	17	6	38	80	41.3	10	-				
160/B5	563	250	300	350	M14	111	18	6.5	42	110	45.3	12	-				
180/B5	563	250	300	350	M14	111	18	6.5	48	110	51.8	14	-				
200/B5	611	300	350	400	M16	159	20	6.5	55	110	59.3	16	-				





## İRFP 92

## İRFP 93



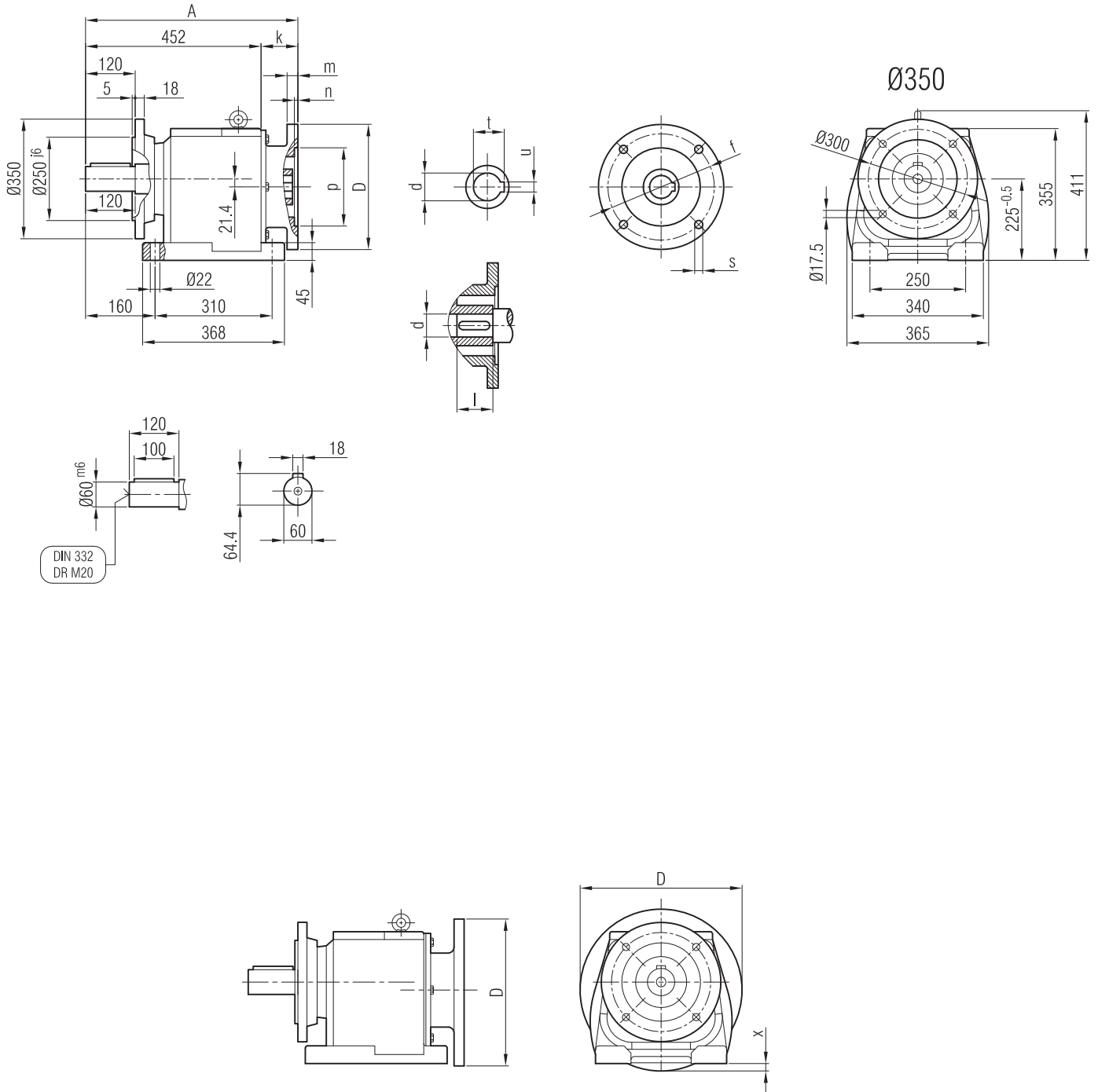
	A	Øp	Øf	ØD	s	k	m	n	Ød	l	t	u	x				
80/B5	501	130	165	200	M10	49	12	5	19	40	21.8	6	-				
90/B5	501	130	165	200	M10	49	12	5	24	50	27.3	8	-				
100/B5	510	180	215	250	M12	58	14	5	28	60	31.3	8	-				
112/B5	510	180	215	250	M12	58	14	5	28	60	31.3	8	-				
132/B5	547	230	265	300	M12	95	17	6	38	80	41.3	10	-				
160/B5	563	250	300	350	M14	111	18	6.5	42	110	45.3	12	-				
180/B5	563	250	300	350	M14	111	18	6.5	48	110	51.8	14	-				
200/B5	611	300	350	400	M16	159	20	6.5	55	110	59.3	16	-				







**İRAFP 92**  
**İRAFP 93**



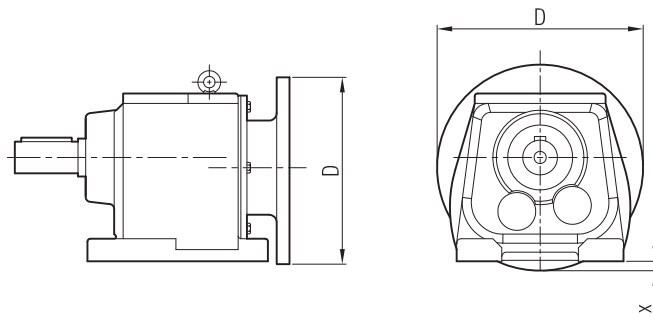
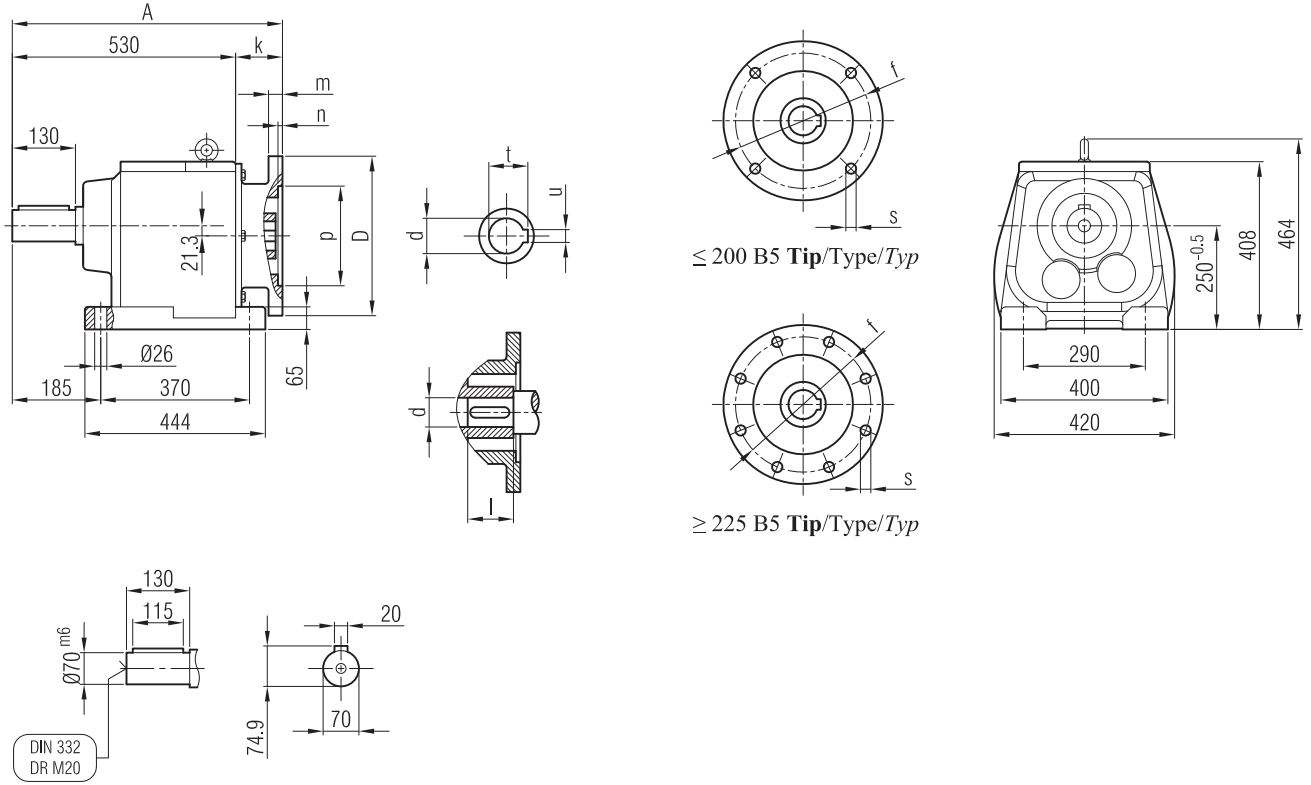
	A	Øp	Øf	ØD	s	k	m	n	Ød	l	t	u	x				
80/B5	501	130	165	200	M10	49	12	5	19	40	21.8	6	-				
90/B5	501	130	165	200	M10	49	12	5	24	50	27.3	8	-				
100/B5	510	180	215	250	M12	58	14	5	28	60	31.3	8	-				
112/B5	510	180	215	250	M12	58	14	5	28	60	31.3	8	-				
132/B5	547	230	265	300	M12	95	17	6	38	80	41.3	10	-				
160/B5	563	250	300	350	M14	111	18	6.5	42	110	45.3	12	-				
180/B5	563	250	300	350	M14	111	18	6.5	48	110	51.8	14	-				
200/B5	611	300	350	400	M16	159	20	6.5	55	110	59.3	16	-				





## İRAP 102

## İRAP 103



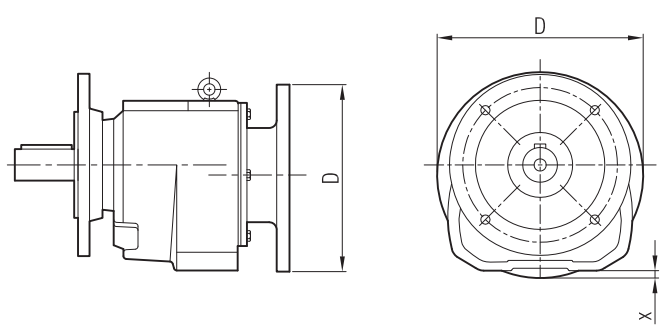
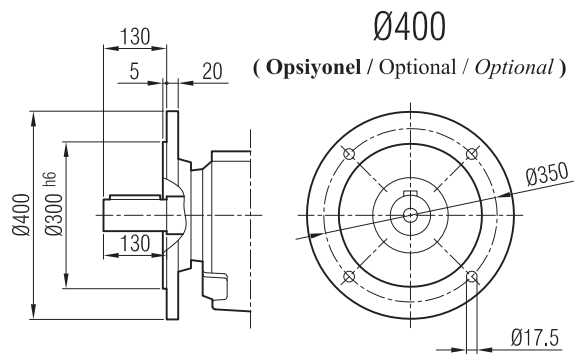
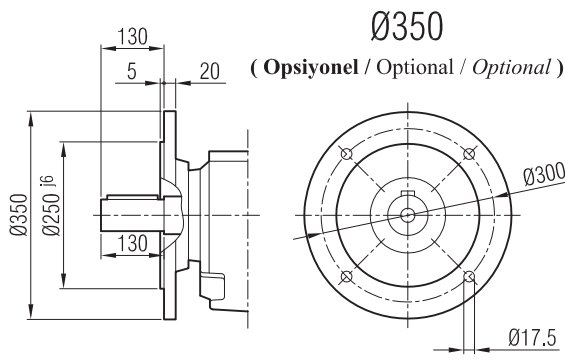
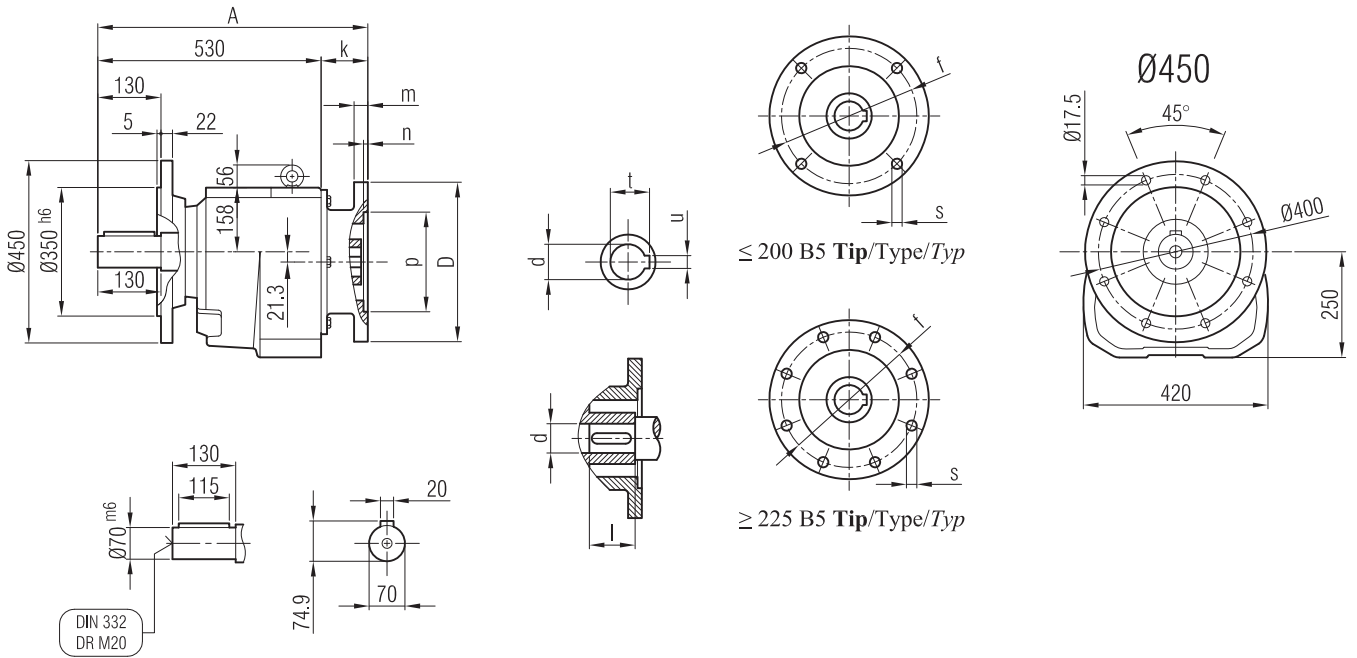
	A	Øp	Øf	ØD	s	k	m	n	Ød	l	t	u	x				
100/B5	587	180	215	250	M12	57	15	5	28	60	31.3	8	-				
112/B5	587	180	215	250	M12	57	15	5	28	60	31.3	8	-				
132/B5	614	230	265	300	M14	84	17	6	38	80	41.3	10	-				
160/B5	621	250	300	350	M14	91	18	6.5	42	110	45.3	12	-				
180/B5	621	250	300	350	M14	91	18	6.5	48	110	51.8	14	-				
200/B5	689	300	350	400	M16	159	20	6.5	55	110	59.3	16	-				
225/B5	696	350	400	450	M16	166	24	6.5	60	140	64.4	18	-				





## İRFP 102

## İRFP 103



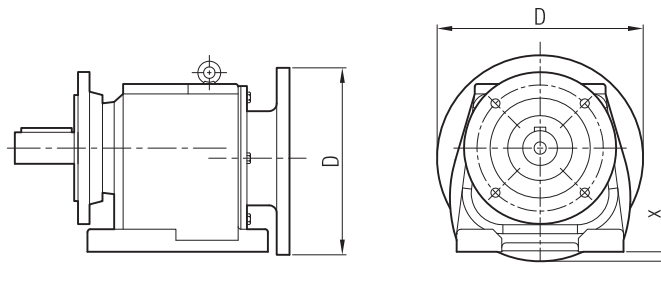
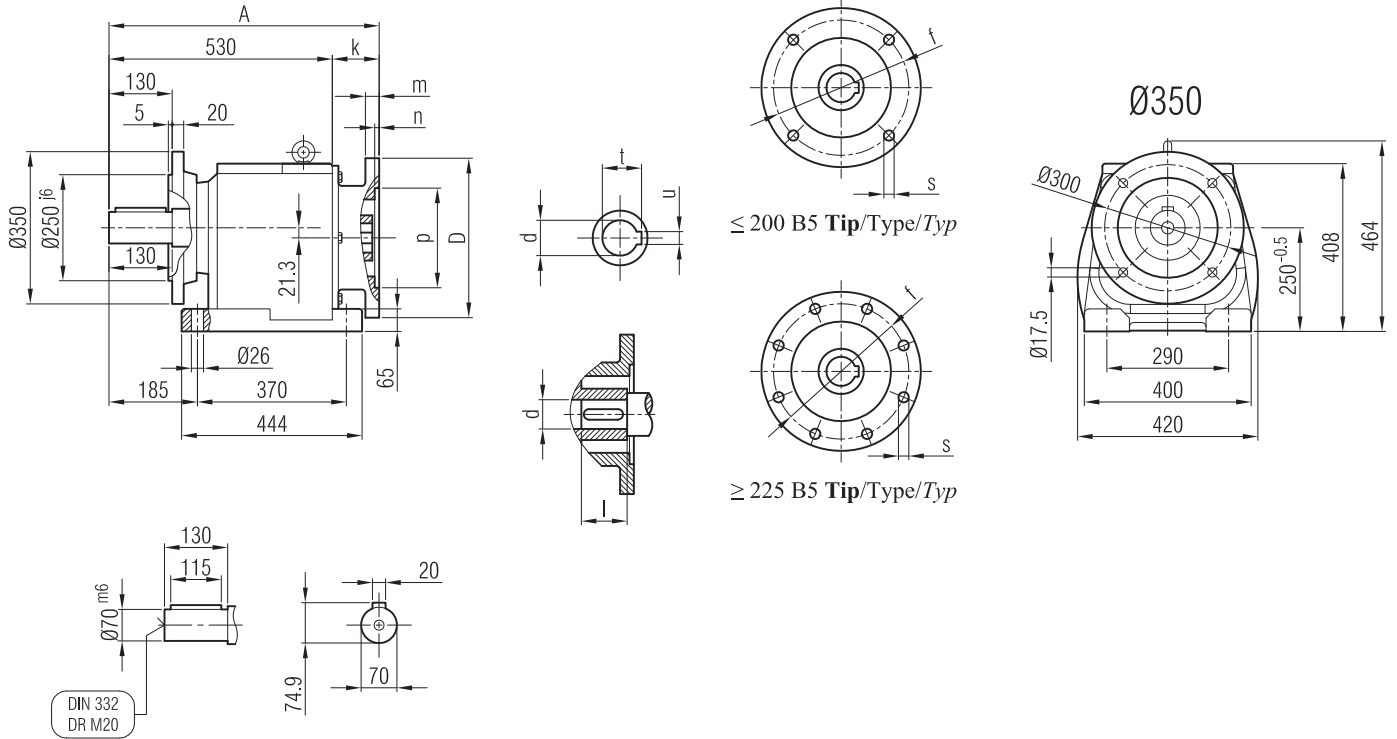
	A	Øp	Øf	ØD	s	k	m	n	Ød	l	t	u	x				
100/B5	587	180	215	250	M12	57	15	5	28	60	31.3	8	-				
112/B5	587	180	215	250	M12	57	15	5	28	60	31.3	8	-				
132/B5	614	230	265	300	M14	84	17	6	38	80	41.3	10	-				
160/B5	621	250	300	350	M14	91	18	6.5	42	110	45.3	12	-				
180/B5	621	250	300	350	M14	91	18	6.5	48	110	51.8	14	-				
200/B5	689	300	350	400	M16	159	20	6.5	55	110	59.3	16	-				
225/B5	696	350	400	450	M16	166	24	6.5	60	140	64.4	18	-				





### İRAFP 102

### İRAFP 103



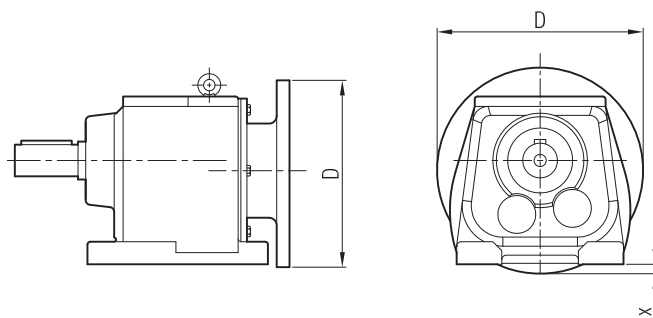
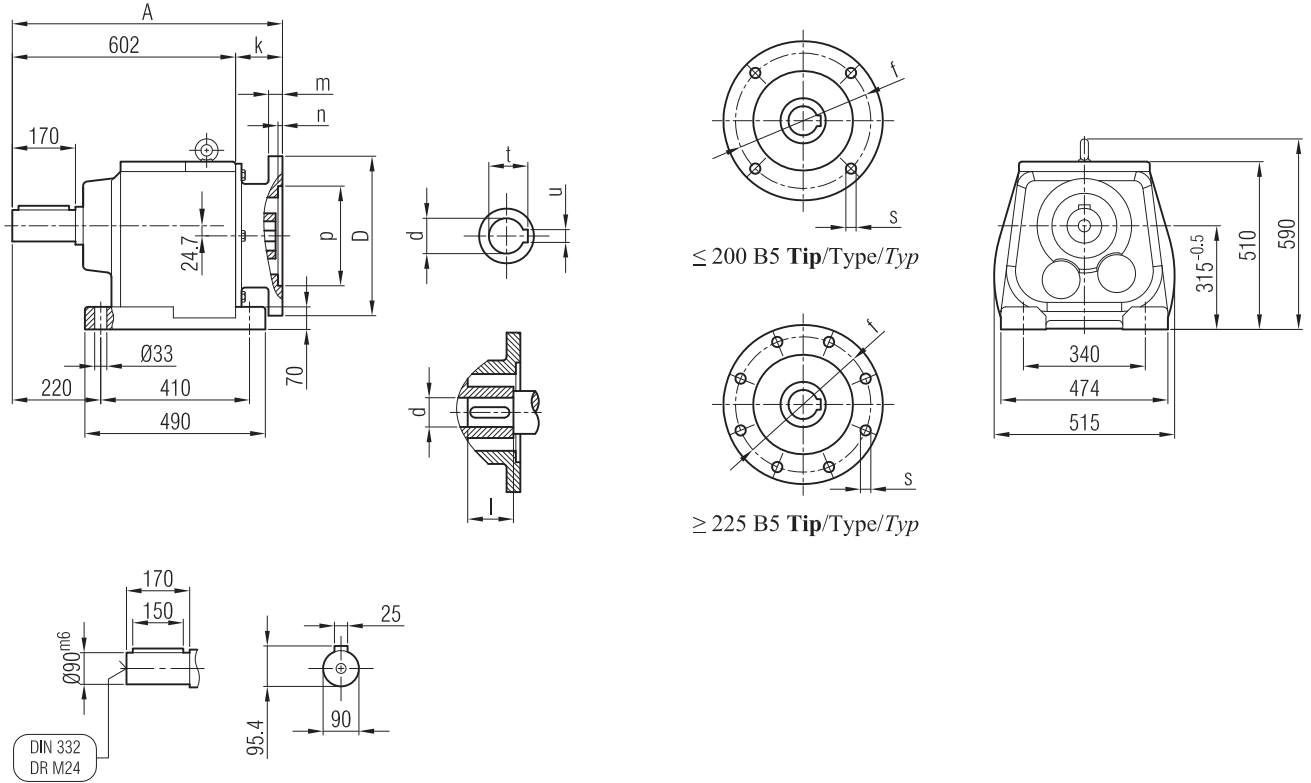
	A	Øp	Øf	ØD	s	k	m	n	Ød	l	t	u	x			
100/B5	587	180	215	250	M12	57	15	5	28	60	31.3	8	-			
112/B5	587	180	215	250	M12	57	15	5	28	60	31.3	8	-			
132/B5	614	230	265	300	M14	84	17	6	38	80	41.3	10	-			
160/B5	621	250	300	350	M14	91	18	6.5	42	110	45.3	12	-			
180/B5	621	250	300	350	M14	91	18	6.5	48	110	51.8	14	-			
200/B5	689	300	350	400	M16	159	20	6.5	55	110	59.3	16	-			
225/B5	696	350	400	450	M16	166	24	6.5	60	140	64.4	18	-			





## İRAP 122

## İRAP 123

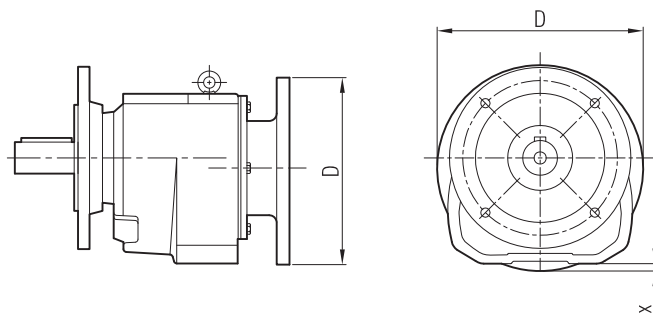
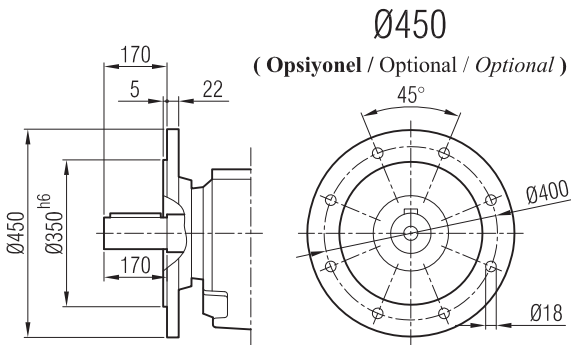
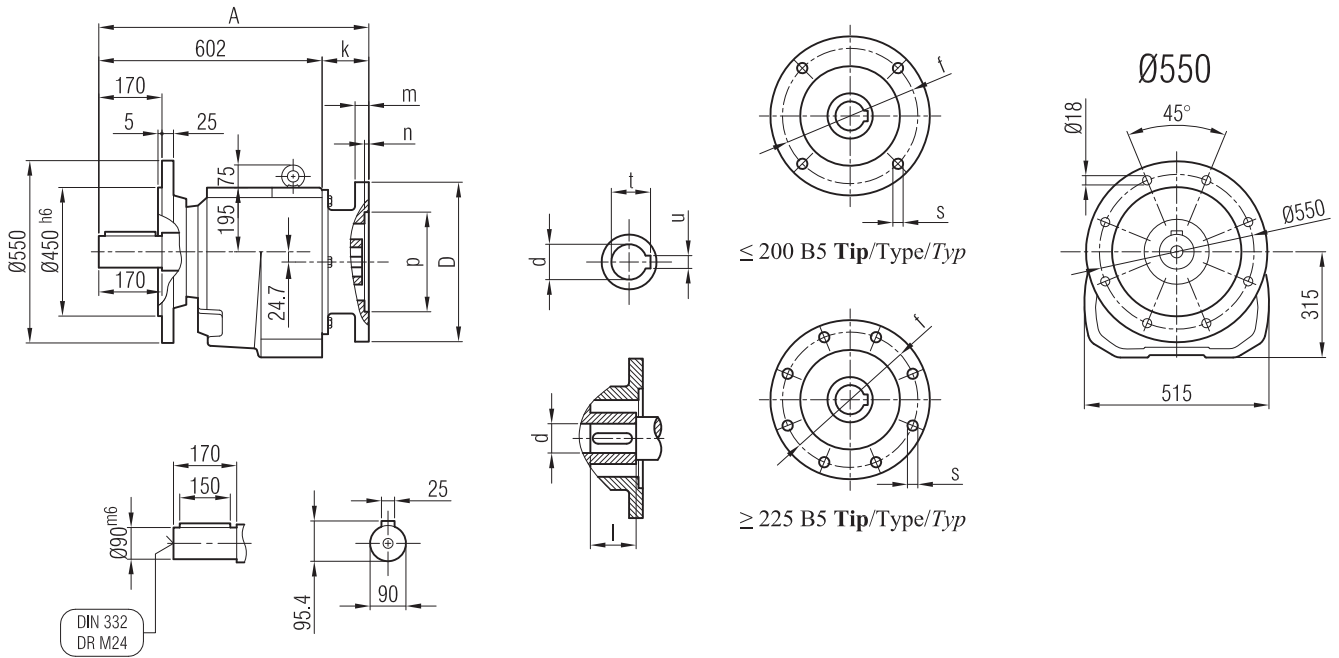


	A	Øp	Øf	ØD	s	k	m	n	Ød	l	t	u	x				
132/B5	663	230	265	300	M14	61	17	6	38	80	41.3	10	-				
160/B5	693	250	300	350	M14	91	18	6.5	42	110	45.3	12	-				
180/B5	693	250	300	350	M14	91	18	6.5	48	110	51.8	14	-				
200/B5	761	300	350	400	M16	159	20	6.5	55	110	59.3	16	-				
225/B5	770	350	400	450	M16	168	22	6.5	60	140	64.4	18	-				
250/B5	770	450	500	550	M16	168	22	6.5	65	140	69.4	18	-				



## İRFP 122

## İRFP 123

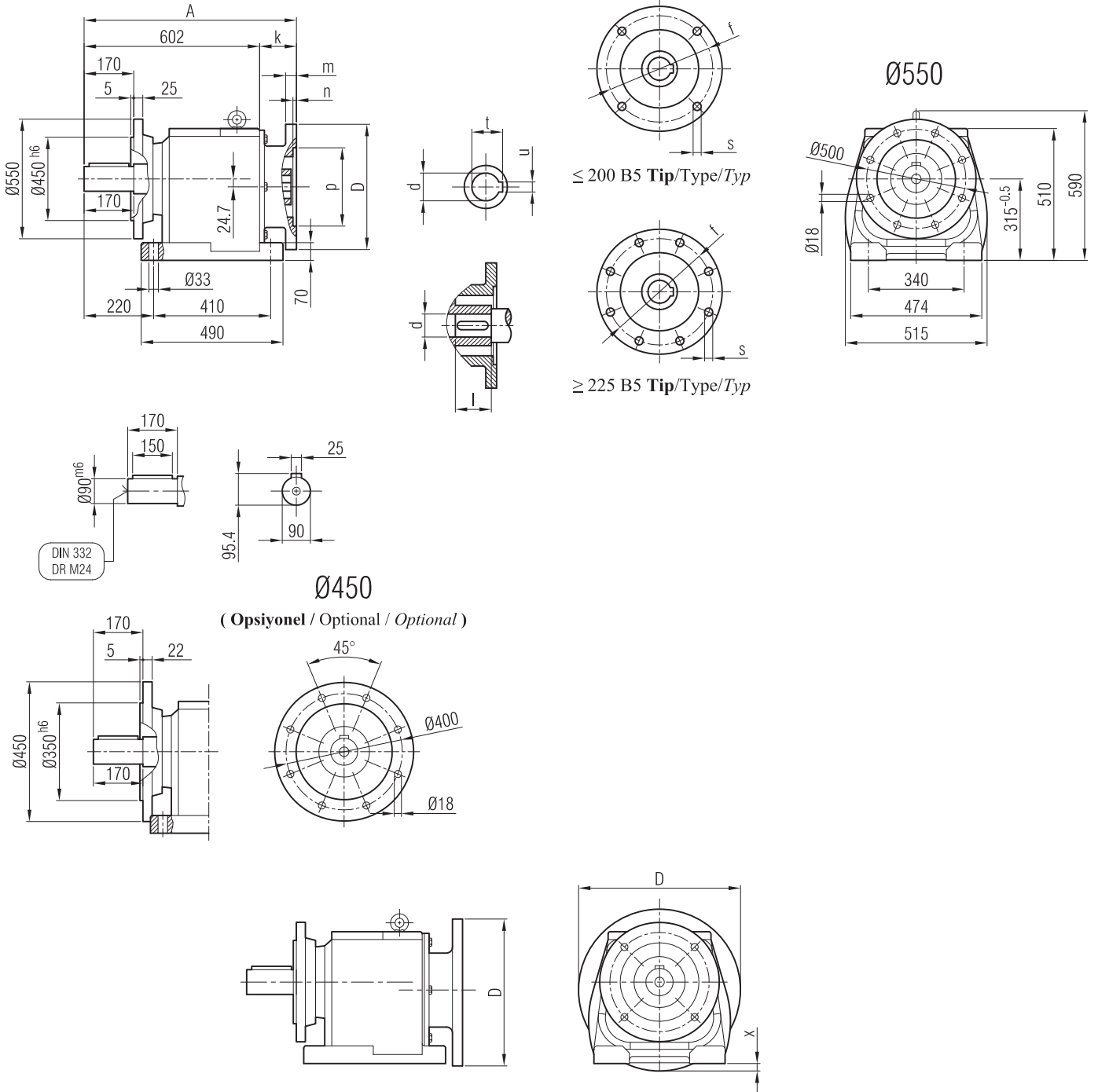


	A	Øp	Øf	ØD	s	k	m	n	Ød	l	t	u	x				
132/B5	663	230	265	300	M14	61	17	6	38	80	41.3	10	-				
160/B5	693	250	300	350	M14	91	18	6.5	42	110	45.3	12	-				
180/B5	693	250	300	350	M14	91	18	6.5	48	110	51.8	14	-				
200/B5	761	300	350	400	M16	159	20	6.5	55	110	59.3	16	-				
225/B5	770	350	400	450	M16	168	22	6.5	60	140	64.4	18	-				
250/B5	770	450	500	550	M16	168	22	6.5	65	140	69.4	18	-				





### İRAFP 122 İRAFP 123



	A	Øp	Øf	ØD	s	k	m	n	Ød	l	t	u	x			
132/B5	663	230	265	300	M14	61	17	6	38	80	41.3	10	-			
160/B5	693	250	300	350	M14	91	18	6.5	42	110	45.3	12	-			
180/B5	693	250	300	350	M14	91	18	6.5	48	110	51.8	14	-			
200/B5	761	300	350	400	M16	159	20	6.5	55	110	59.3	16	-			
225/B5	770	350	400	450	M16	168	22	6.5	60	140	64.4	18	-			
250/B5	770	450	500	550	M16	168	22	6.5	65	140	69.4	18	-			

