

END SUCTION CENTRIFUGAL PUMP

INTELLIGENT FLOW FOR GOOD

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Website



Facebook

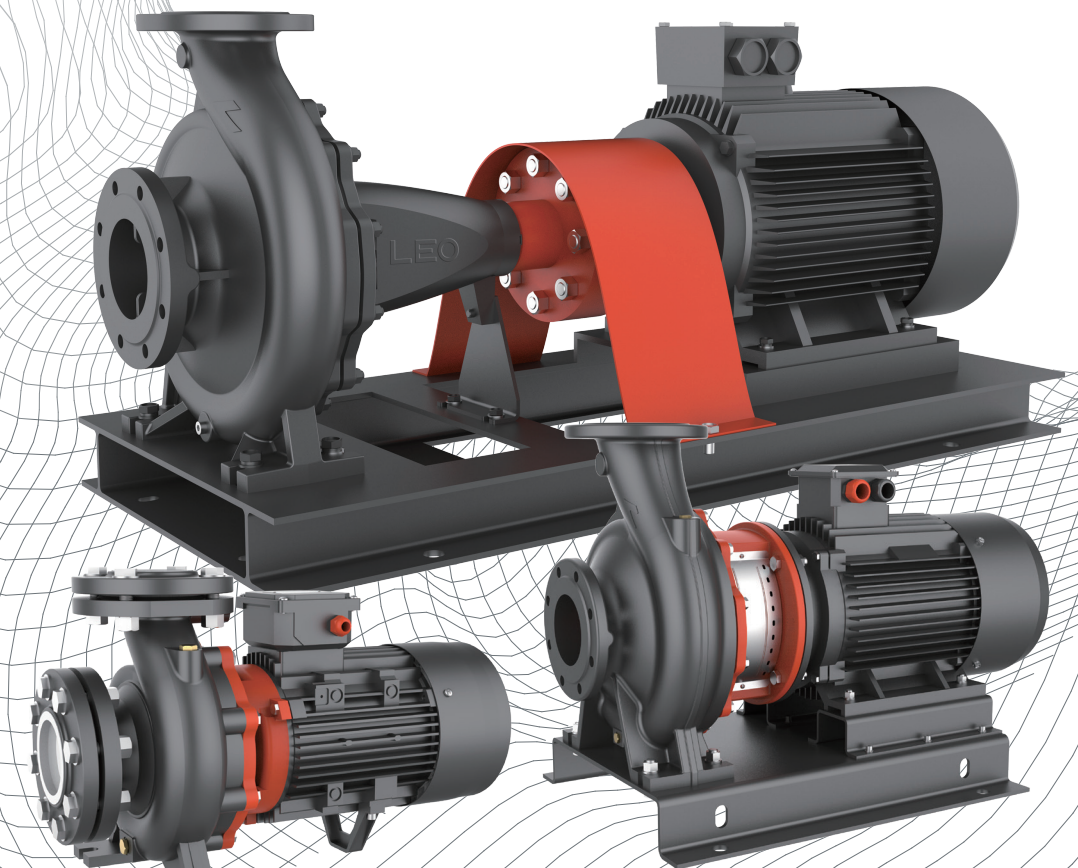


YouTube

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2024 v1.0

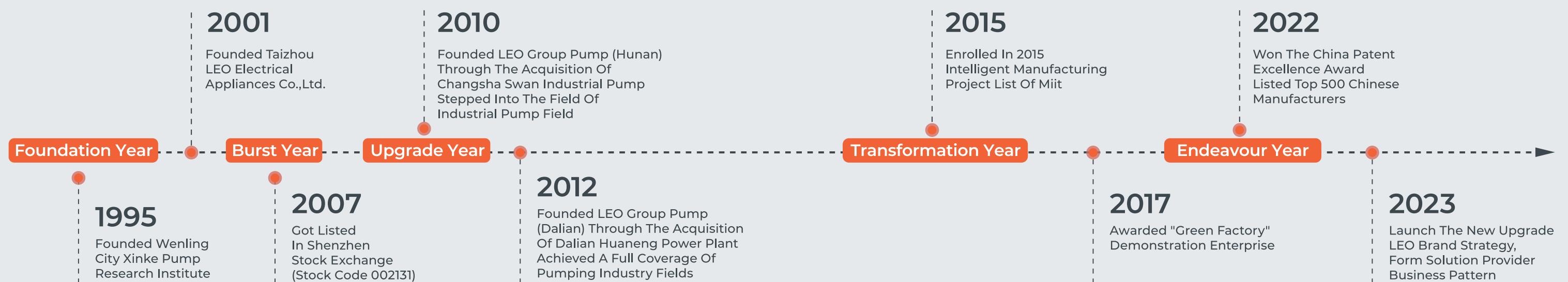
www.leopump.com





Intelligent Flow For Good

As a reliable partner on intelligent fluid solutions, LEO Pump is engaged in R&D, manufacturing, sales and service of all series pumps and systems. By covering the industry of building, municipal, water conservation, power, energy, OEM, domestic and garden, Leo is committed to bring the intelligent water into every industry field and application, helping people around the world enjoy high quality water life, government and business partners achieve green transformation, and promoting high quality economic growth and sustainable social development.



LEO WORLD



LEO IN NUMBERS

5

Production Bases

9

Overseas Subsidiaries

6,000,000⁺

Pumps Produced Yearly

150⁺

Countries

15,000⁺

Global Sales Outlets

500⁺

Million End-users Served



QUALITY MANAGEMENT SYSTEM

- ISO9001:2015 Quality management system
- ISO14001:2015 Environmental management system Certificate
- ISO45001:2018 Occupational health & safety Management system certification
- ISO50001: 2018 Energy management system certificate
- CE, GS, UL, CSA and ETL qualification



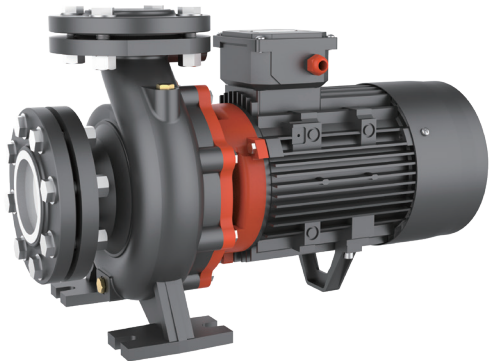
ISO 9001



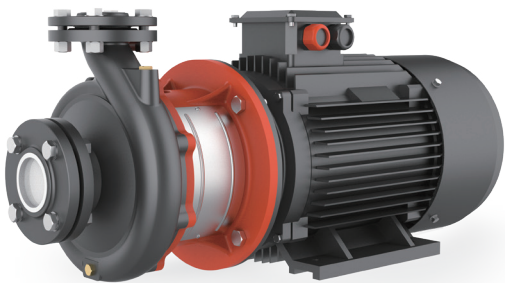
UL LISTED



XST Standard Centrifugal Pump



0.75kW-7.5kW



9.2kW-55kW

Application

- Circulation and transfer of clean, chemically non-aggressive water and other liquids
- Water supply & irrigation
- Water circulation in air conditioning systems
- Fire fighting system

Operating Conditions

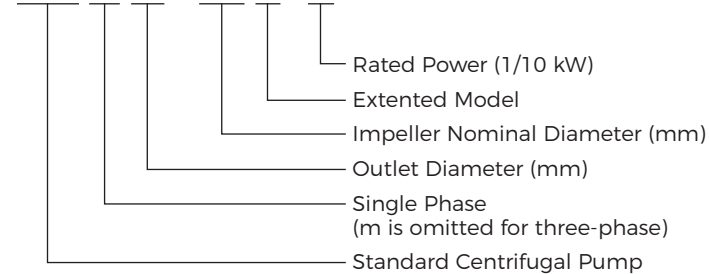
- Delivery: up to 210 m³/h
- Head: up to 95 m
- Liquid temperature: Standard -10°C to 85°C
- Maximum operating pressure: 12 bar (PN12)
- Anti-clockwise rotation when facing pump's suction port
- Impeller: AISI304 , HT200
- Mechanical seal in compliance with DIN 24960
- Lubricated by internal recirculating pumped liquid
- Counter flange available on request

Motor

- Closed construction, external ventilation
- Insulation class: F
- Enclosures class: IP54
- Performance in compliance with CEI 2-3 (IEC 34.1)
- Max.ambient temperature: +40°C
- Overload protection
- For model that ≥9.2kw: Equipped with IE2 motor, IE3 motor available on request.
- For model that ≤7.5kw, the following 4 models can equipped with IE3 motor: (XST40-160/30, XST40-160/40, XST50-160/55, XST50-160/75)

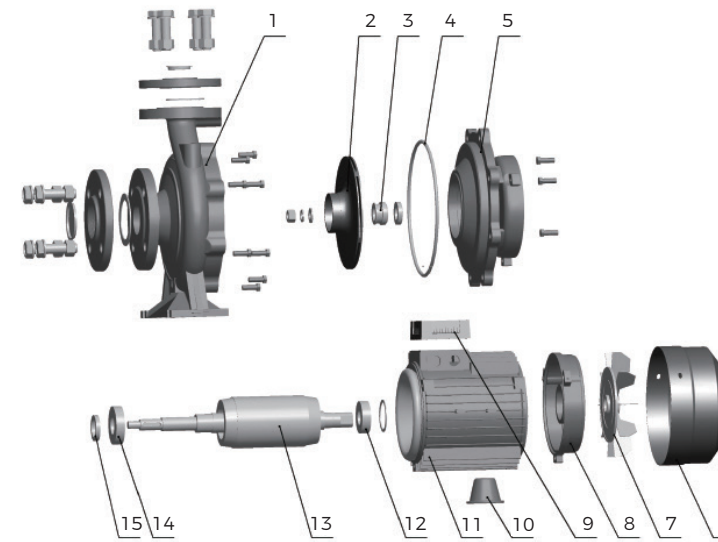
Identification Codes

XST m 32 - 125 K / 11



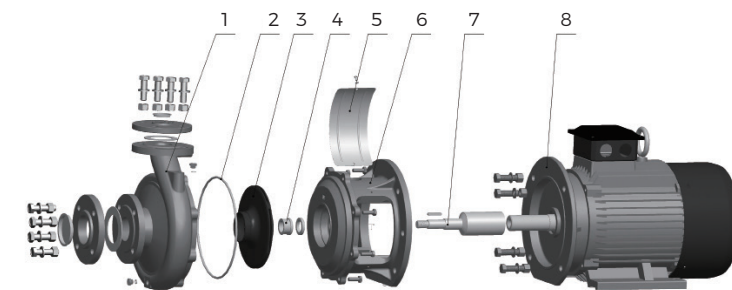
Material Table

Exploded diagram of 7.5 kW and below



No.	Part	Material
1	Pump body	HT200
2	Impeller	HT200 / 06Cr19Ni10
3	Mechanical seal	
4	O-ring	NBR
5	Connection body	HT200
6	Wind cover	08F
7	Fan	PP
8	Back cover	ZL102
9	Cover box	ABS
10	Brace	HT200
11	Stator	
12	Bearing	
13	Rotor	
14	Bearing	
15	Skeleton seal	

Exploded diagram above 7.5 kW



No.	Part	Material
1	Pump body	HT200
2	O-ring	NBR
3	Impeller	HT200 / 06Cr19Ni10
4	Machinery Seal	
5	Guard plate	06Cr19Ni10
6	Connection body	HT200
7	Pump shaft	45/06Cr19Ni10
8	Motor	

Construction Features

- Single- impeller centrifugal pump featuring axial intake and radial discharge
- Inlet and outlet DN in compliance with EN 733 (ex DIN 24255) and UNI 7467
- Flanges in compliance with UNI 2236 and DIN 2532
- Rear entry (impeller, motor can be extracted without disconnecting the pump body from the pipes)

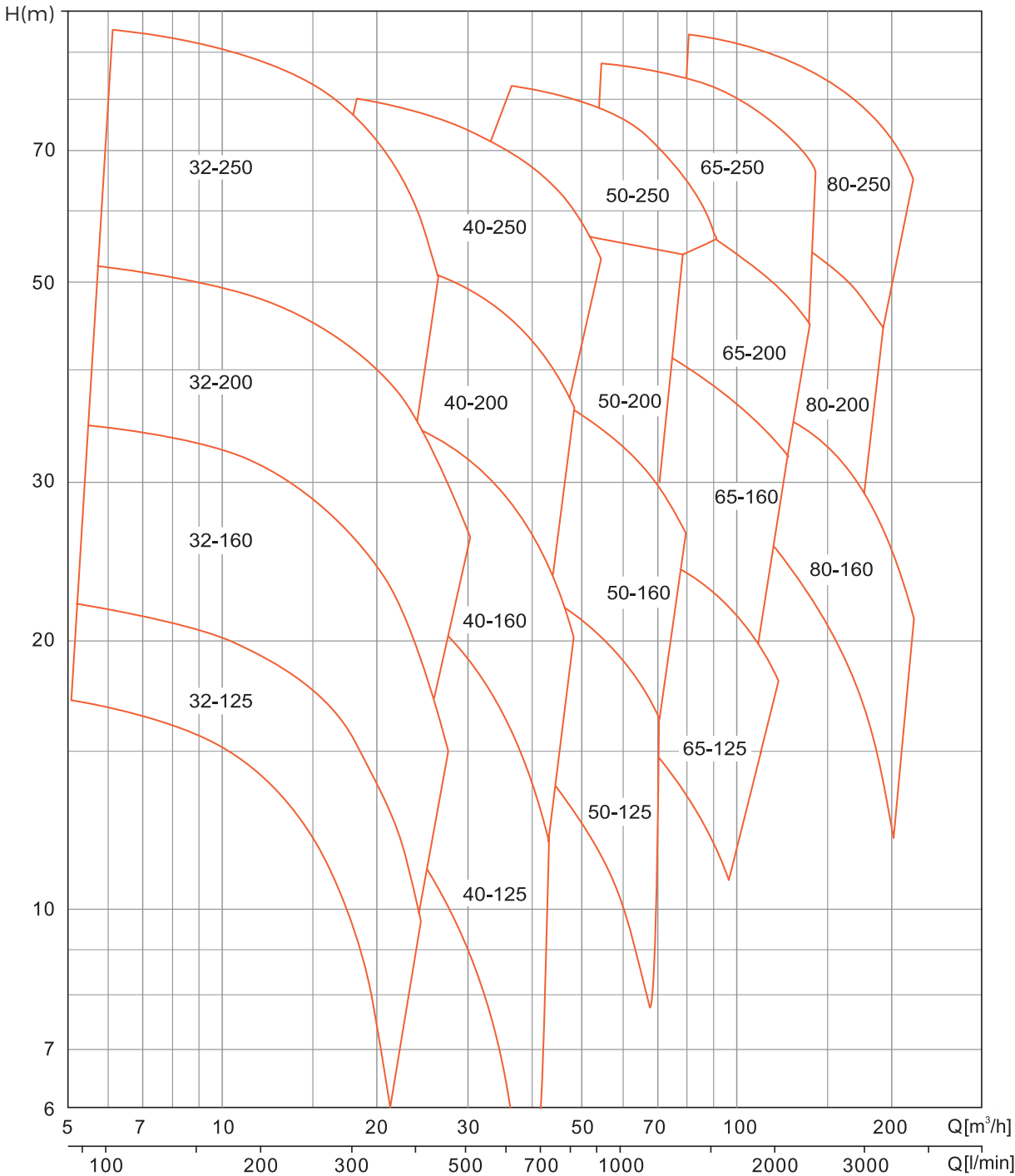
Performance Parameter

Model	Power		Q(m³/h)	0	6	9	15	18	24	27	36	42	48	54	72	84	90	108	120	138	180	210
	kW	HP	Q(l/min)	0	100	150	250	300	400	450	600	700	800	900	1200	1400	1500	1800	2000	2300	3000	3500
32-125/7*	0.75	1	H (m)	17.5	16.7	15	12	9														
32-125/11*	1.1	1.5		22	21	20.2	17	15	9													
32-160/15*	1.5	2		24	23.7	22.5	19.5	16.2														
32-160/22*	2.2	3		31	29.6	29	25.5	22.5	15													
32-160/30*	3	4		34.5	33.5	33	29	26.5	20	16.5												
32-200/30*	3	4		43.2	42	40.5	35.2	32.2	24.6	19.8												
32-200/40*	4	5.5		52	50.5	50	45	41.9	35	30.3												
32-250/55**	5.5	7.5		79	74.7	71.8	63	56	37.5													
32-250/75**	7.5	10		95	92	89	82	75	57.8	48												
40-125/11	1.1	1.5		14.7				13	11.5	10.1												
40-125/15	1.5	2		18.1				17	15	13.9												
40-125/22	2.2	3		24.5				23.2	21.5	20.2	16	12										
40-160/30	3	4		31.8				29	27.5	26.3	21.5	17.5										
40-160/40	4	5.5		38				36	34	33	28.5	25	20.1									
40-200/55*	5.5	7.5		44				42	40	38	32	27										
40-200/75*	7.5	10		55				52	49	48	42	37	32									
40-250/92*	9.2	12.5		64				59	56.5	55	49.5	45	39.8									
40-250/110*	11	15		72				67.5	65	63.5	57.5	52.2	47									
40-250/150*	15	20		82				79	77.3	76.5	71	66	60.5	54.8								
50-125/22	2.2	3		17							15.4	14	12.8	11.5								
50-125/30	3	4		20							18.8	18	17	15.6								
50-125/40	4	5.5		24							23.1	22.6	21.5	20.3	15.8							
50-160/55	5.5	7.5		32							30.6	30	28	26.6	20.5							
50-160/75	7.5	10		40							38	37	36	34.4	29							
50-200/92*	9.2	12.5		50.5							46.8	45	43	40.9	32.5							
50-200/110*	11	15		57.5							53.5	52	50	47.5	40							
50-250/150*	15	20		68.5							64	63	61.5	59	50	41						
50-250/185*	18.5	25		77							73.2	72	70	68	60.5	51.5						
50-250/220*	22	30		86.3							83	81.5	80	78	70	61						
65-125/40	4	5.5		19									17.3	16.8	14.5	13	11.8					
65-125/55	5.5	7.5		23									21.3	20.9	19	17.5	16.7	13.7				
65-125/75	7.5	10		27									26	25.6	24.5	23	22.5	20	18			
65-160/92	9.2	12.5		33										31.5	30	28	27.1	24	21.5			
65-160/110	11	15		36										34.5	33	31.5	30.8	28	25.5			
65-160/150	15	20		42										41	40	38.5	37.8	35	33			
65-200/150	15	20		45.5										46	43.5	41	39.2	33				
65-200/185	18.5	25		53										53.5	51.2	48.3	47	41.5				
65-200/220	22	30		59										59.5	57.2	54	53	47	43.5			
65-200K/185	18.5	25		41.2											42	41.2	40.6	38.2	36.5	34		
65-200K/220	22	30		48												48	47.5	46	44	41		
65-200K/300	30	40		59.5												59	58.5	58	56.2	54		
65-250/220	22	30		62										61.5	58.2	56.5	54	49	45	36		
65-250/300	30	40		76										75	73	70	69	64	61	54		
65-250/370	37	50		90										88	86	84	82	78	74	68		
80-160/110	11	15		27													27.3	26	24.5	22.5	16	
80-160/150	15	20		32.8													32.5	31.3	30.2	28	22.1	16.7
80-160/185	18.5	25		39													38	36.8	35.7	33.8	28.8	23.5
80-200/220	22	30		48													47.5	46	43.5	41	32.5	
80-200/300	30	40		60													59.5	58	57	54.5	47	
80-250/370	37	50		71.5													70.5	67.5	65.5	61.5	49.5	38
80-250/450	45	61		82													80.5	78.5	76.5	72	62	51
80-250/550	55	75		95													93.5	91.2	89.8	86.8	77.6	68.3

*=Stainless steel impeller **=Two-stage stainless steel impeller

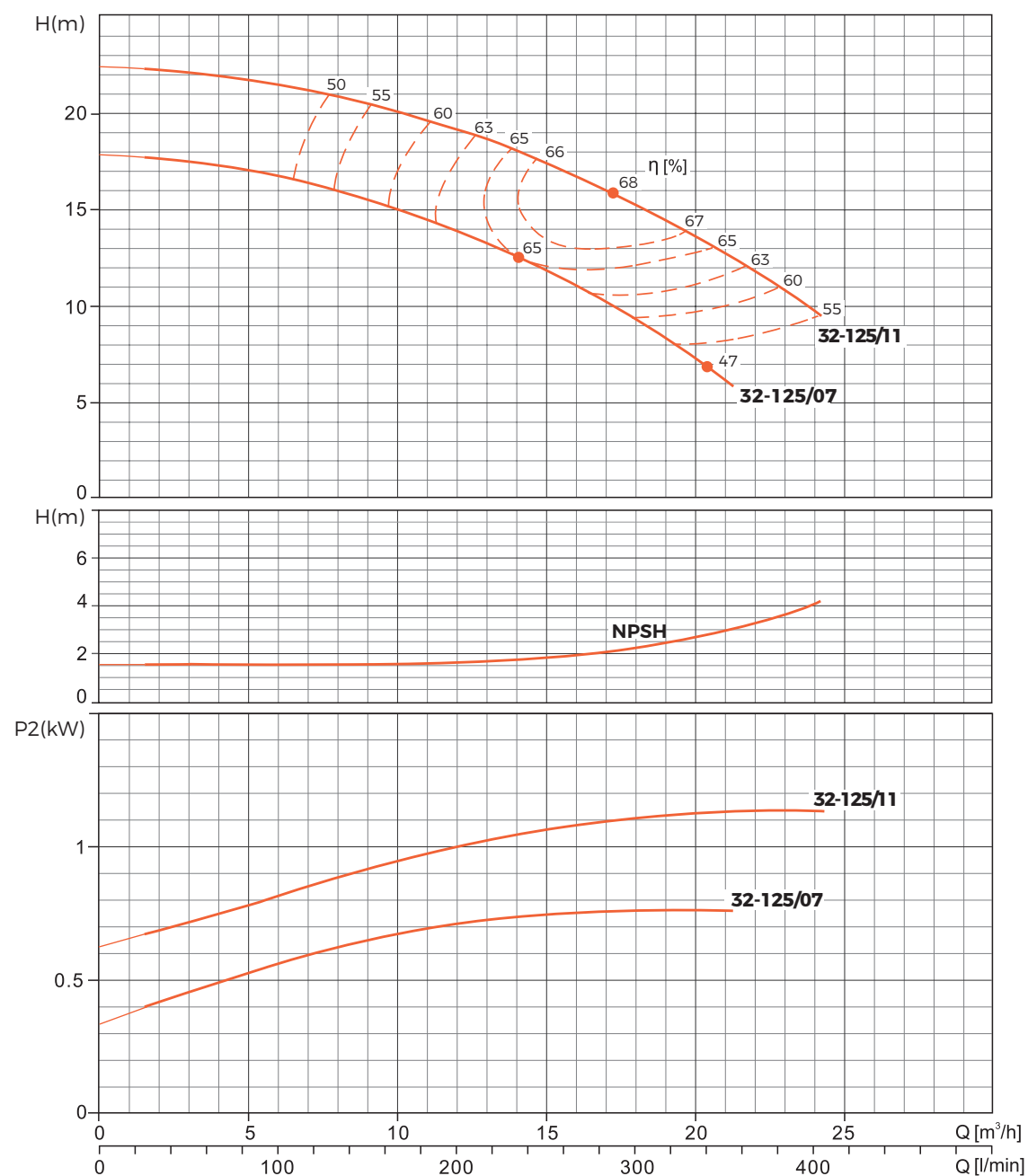
Characteristic Curves

XST	Rated speed: 2900r/min	ISO 9906 Annex A
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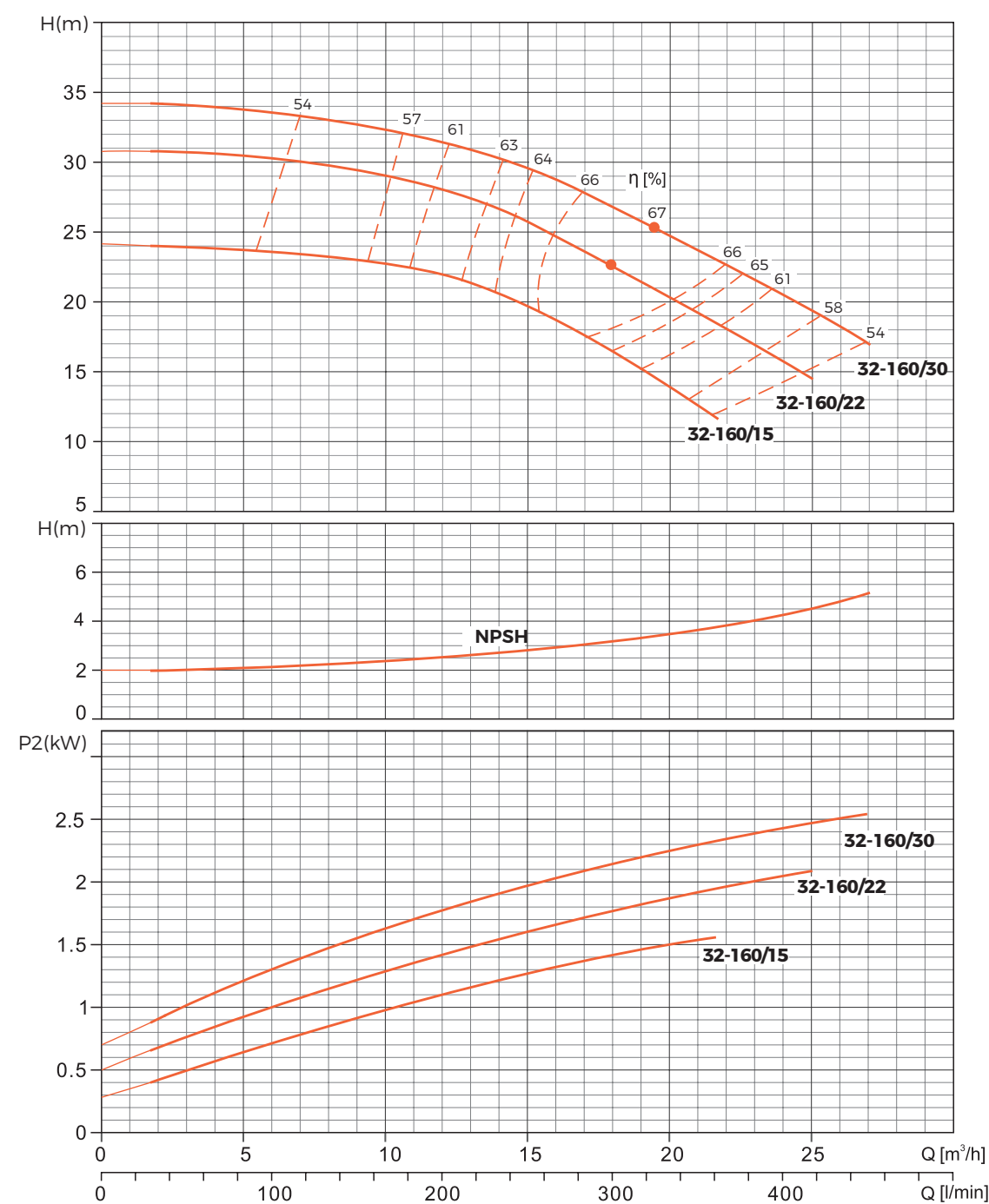
Hydraulic Performance Curves

XST32-125	Rated speed: 2900r/min	ISO 9906 Annex A
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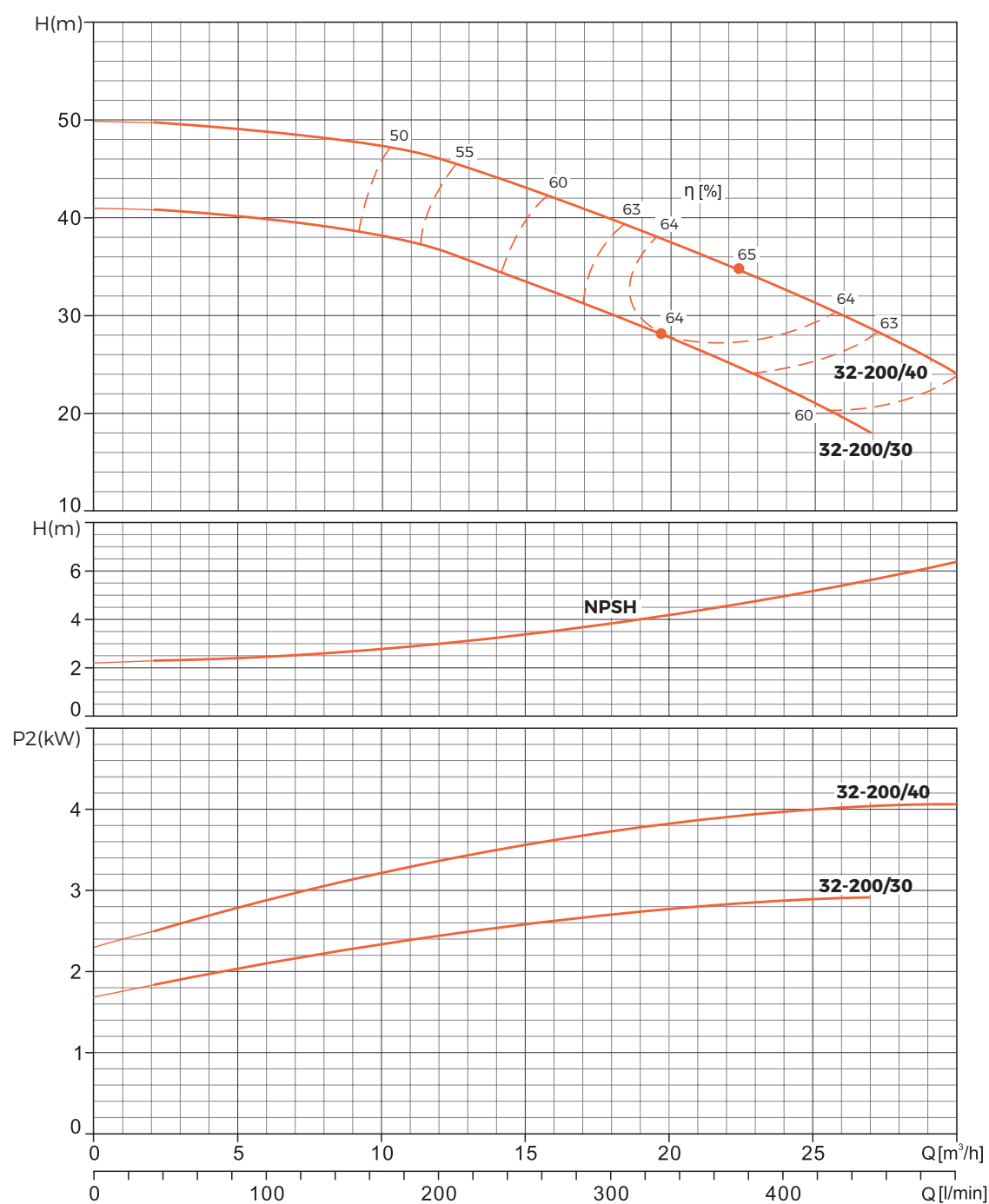
Hydraulic Performance Curves

XST32-160	Rated speed: 2900r/min	ISO 9906 Annex A
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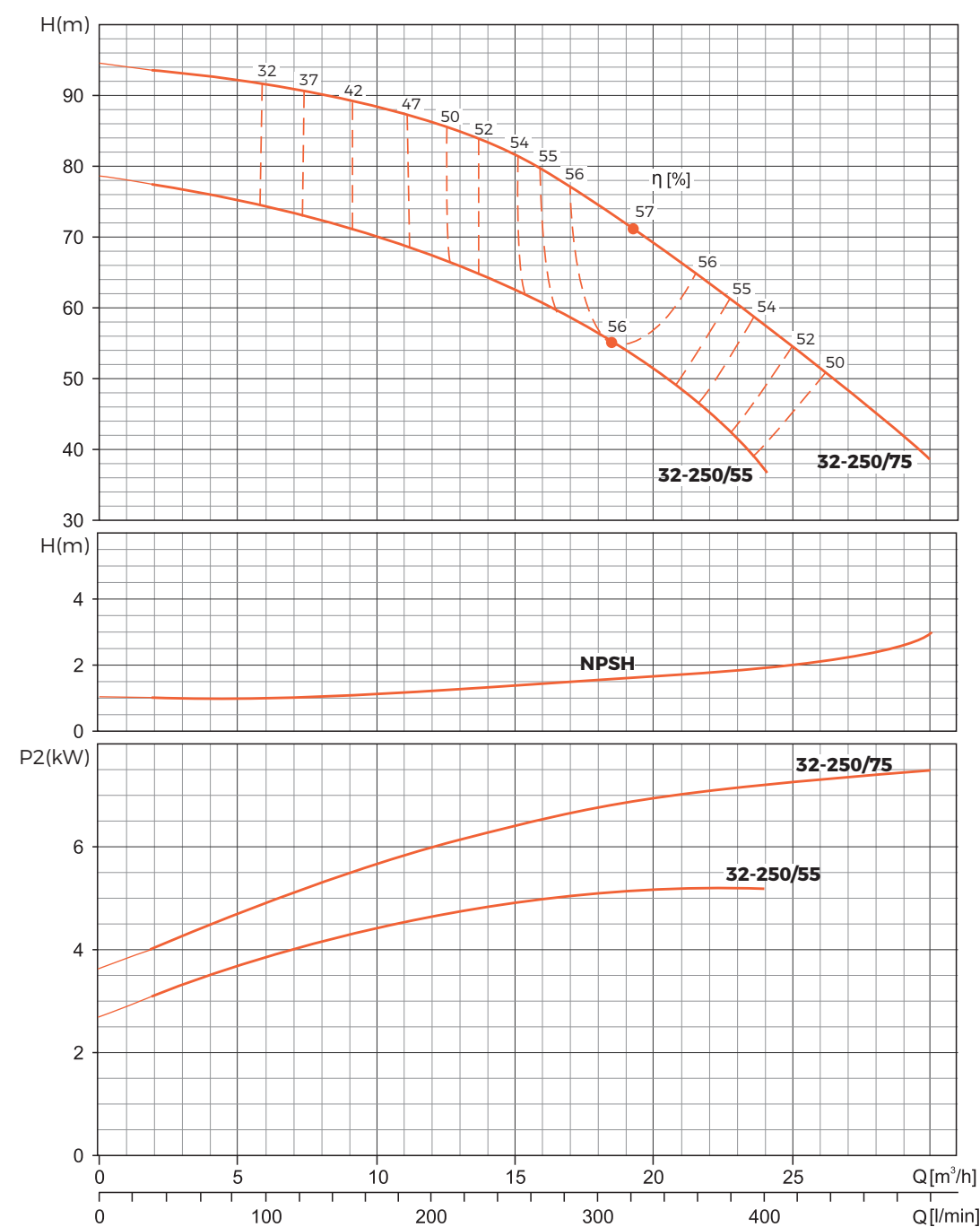
Hydraulic Performance Curves

XST32-200	Rated speed: 2900r/min	ISO 9906 Annex A
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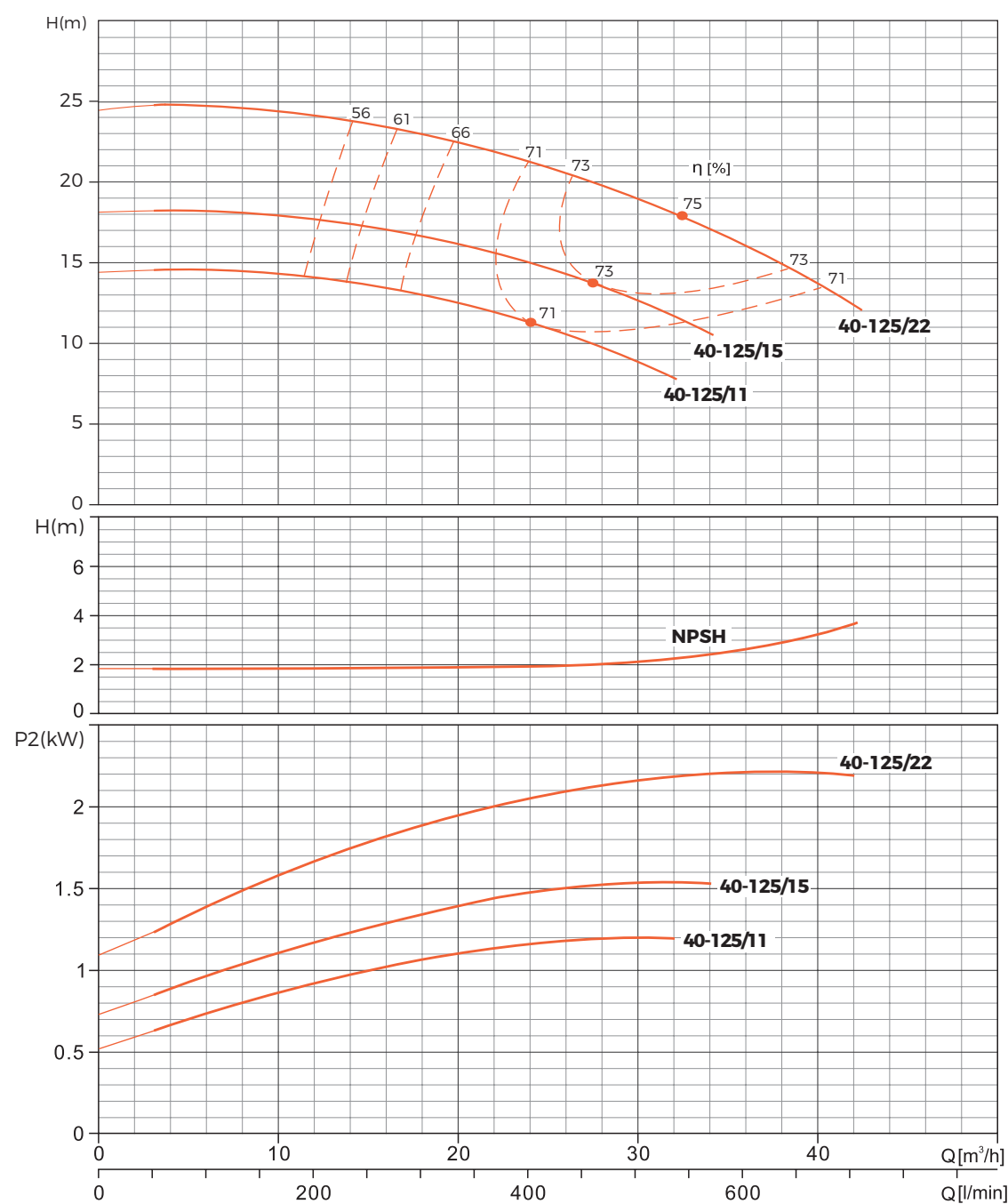
Hydraulic Performance Curves

XST32-250	Rated speed: 2900r/min	ISO 9906 Annex A
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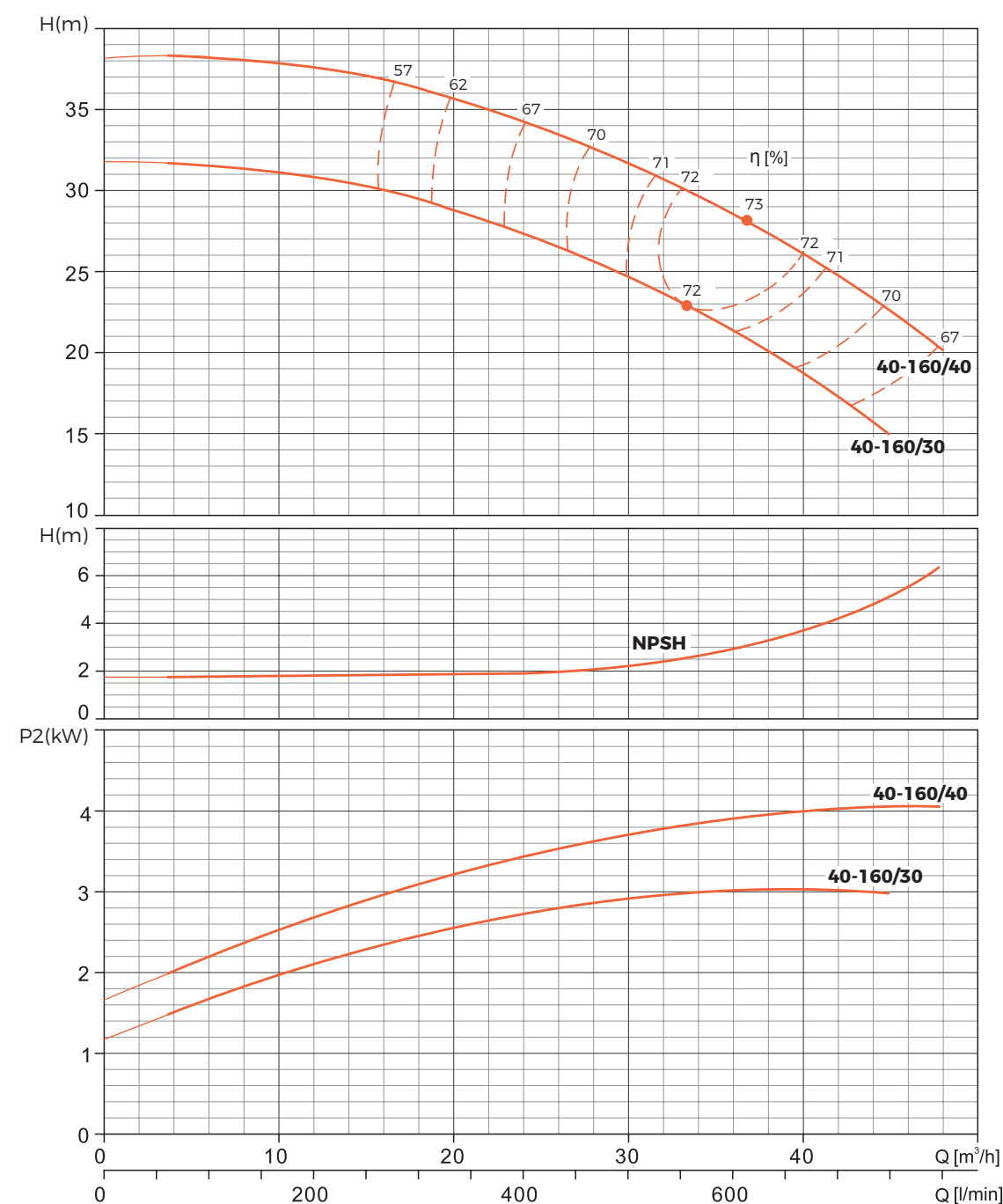
Hydraulic Performance Curves

XST40-125	Rated speed: 2900r/min	ISO 9906 Annex A
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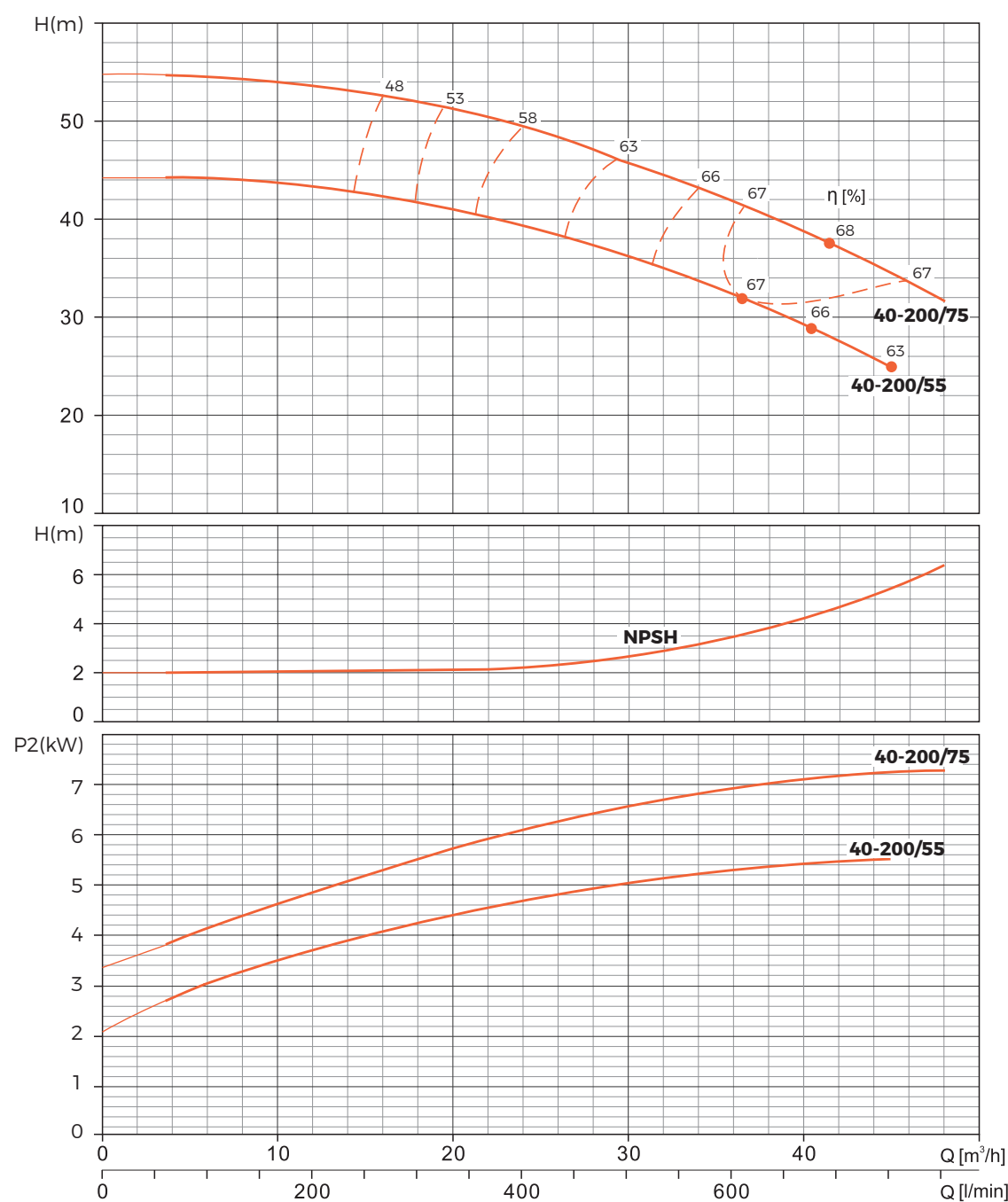
Hydraulic Performance Curves

XST40-160	Rated speed: 2900r/min	ISO 9906 Annex A
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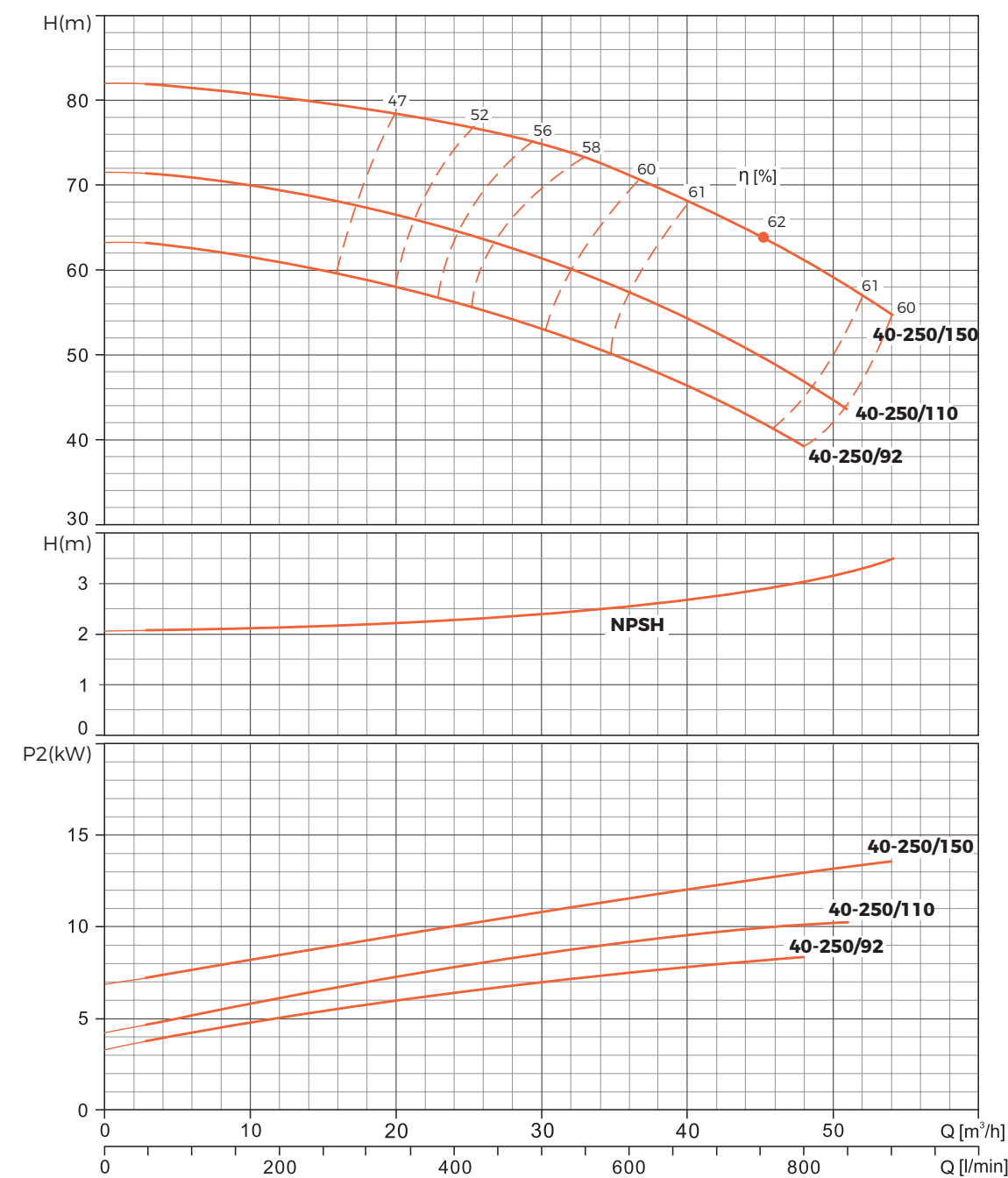
Hydraulic Performance Curves

XST40-200	Rated speed: 2900r/min	ISO 9906 Annex A
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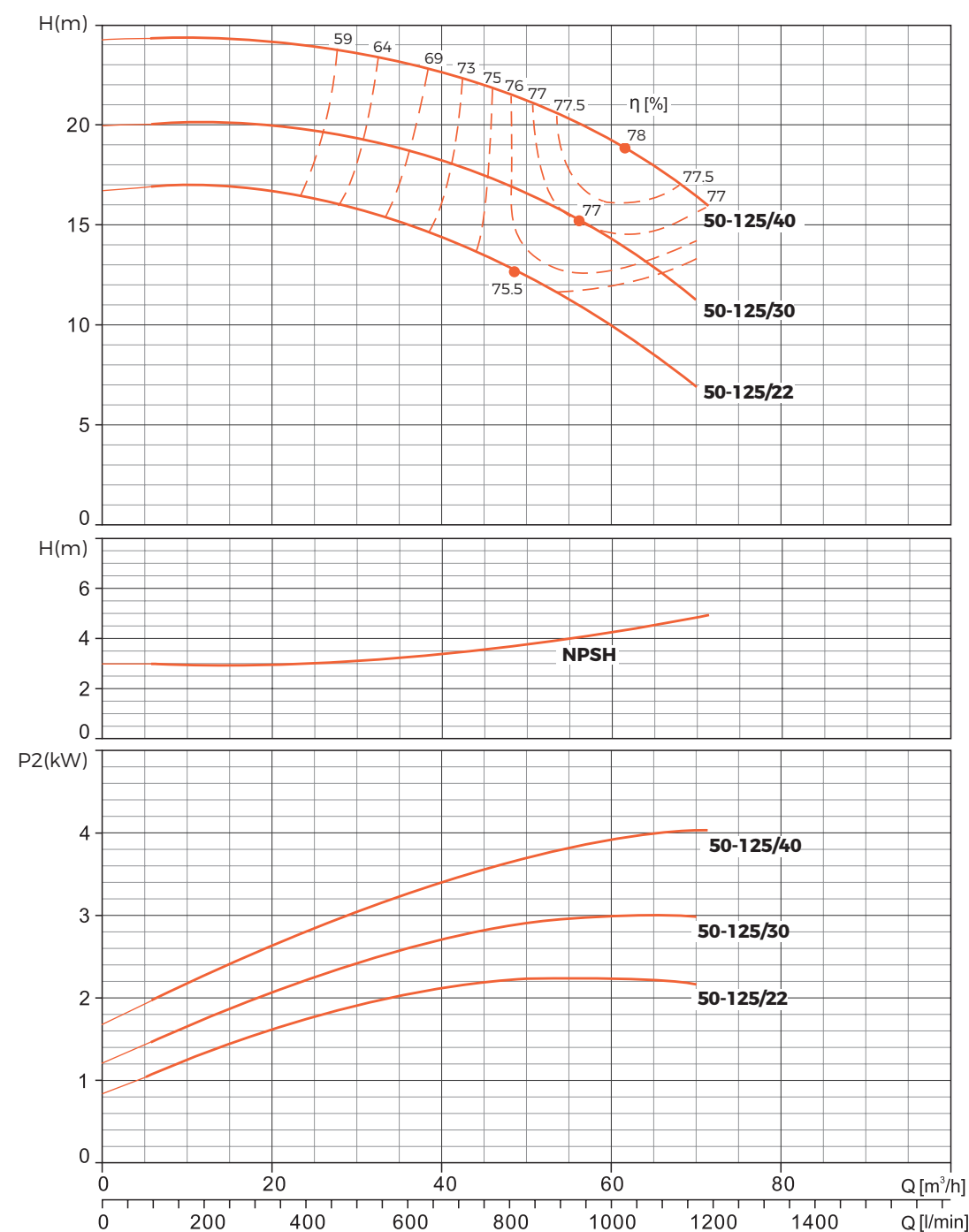
Hydraulic Performance Curves

XST40-250	Rated speed: 2900r/min	ISO 9906 Annex A
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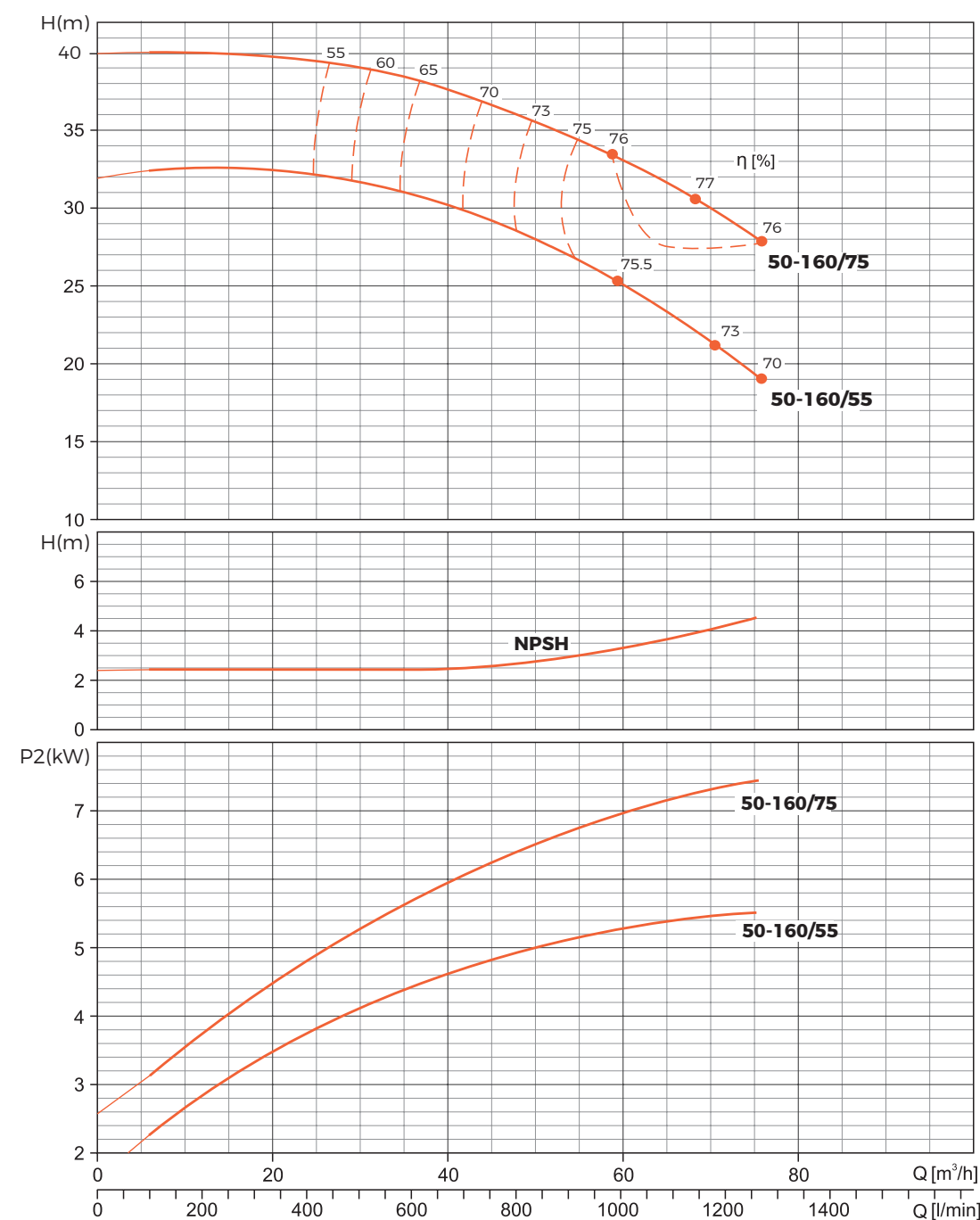
Hydraulic Performance Curves

XST50-125	Rated speed: 2900r/min	ISO 9906 Annex A
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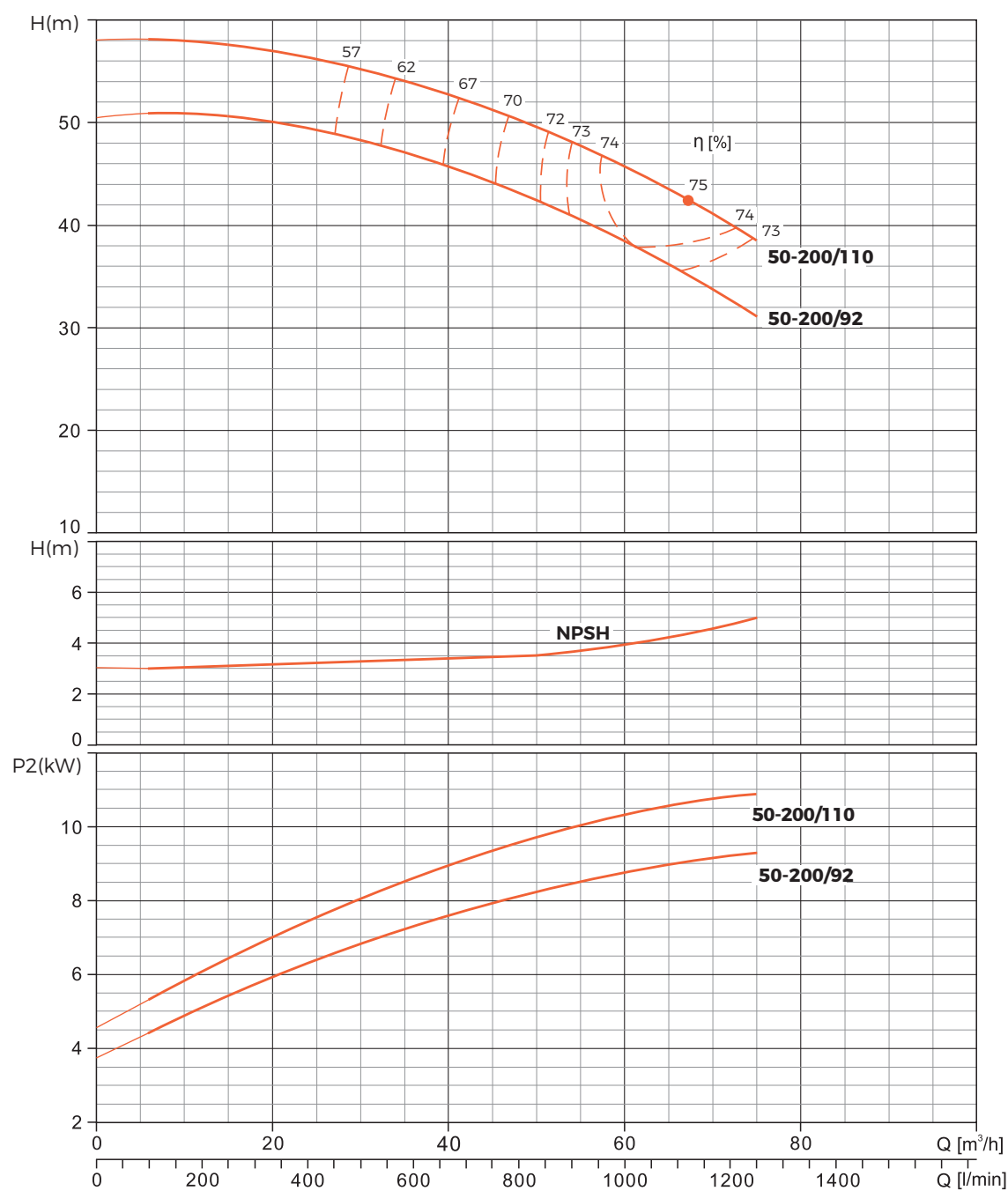
Hydraulic Performance Curves

XST50-160	Rated speed: 2900r/min	ISO 9906 Annex A
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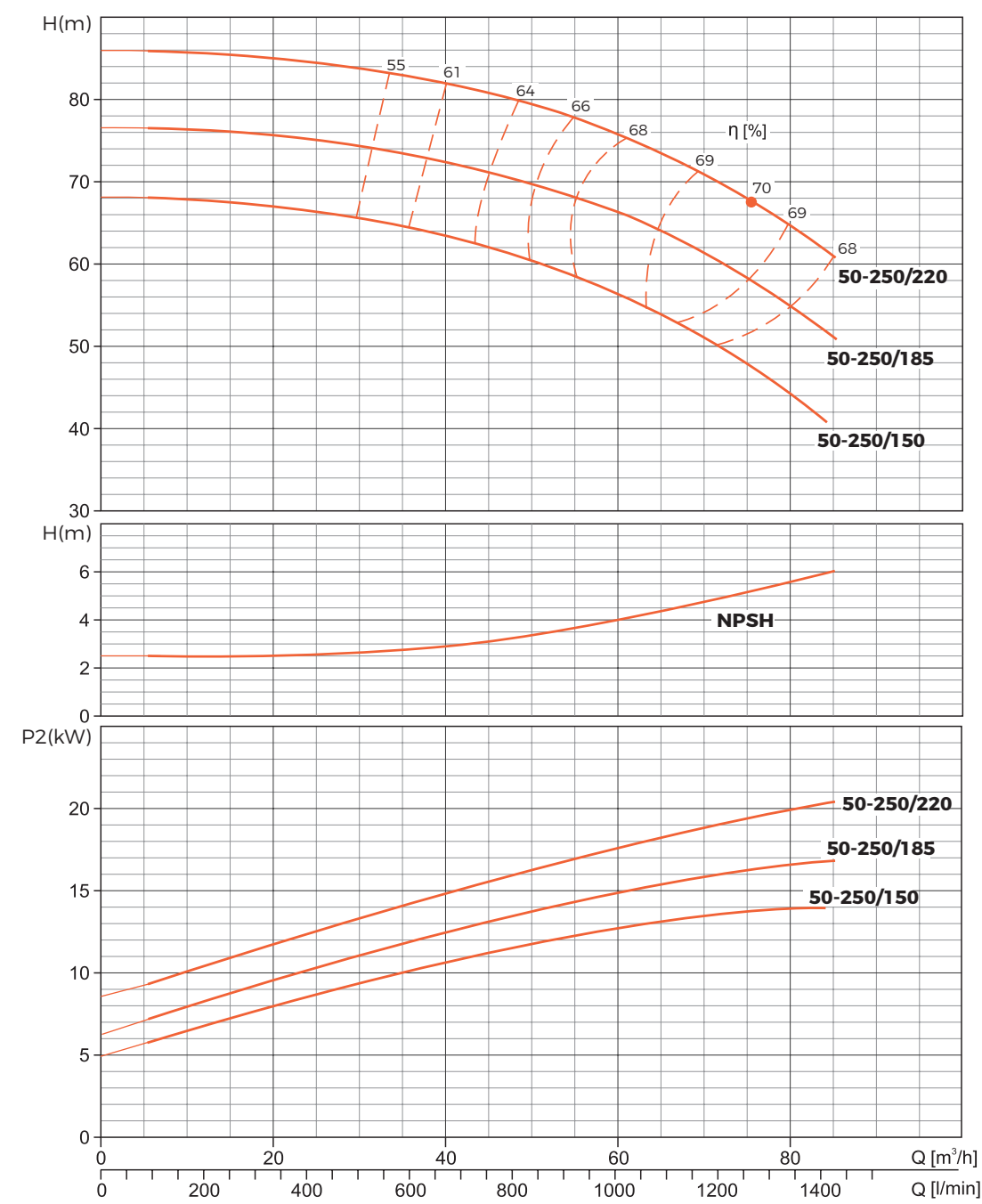
Hydraulic Performance Curves

XST50-200	Rated speed: 2900r/min	ISO 9906 Annex A
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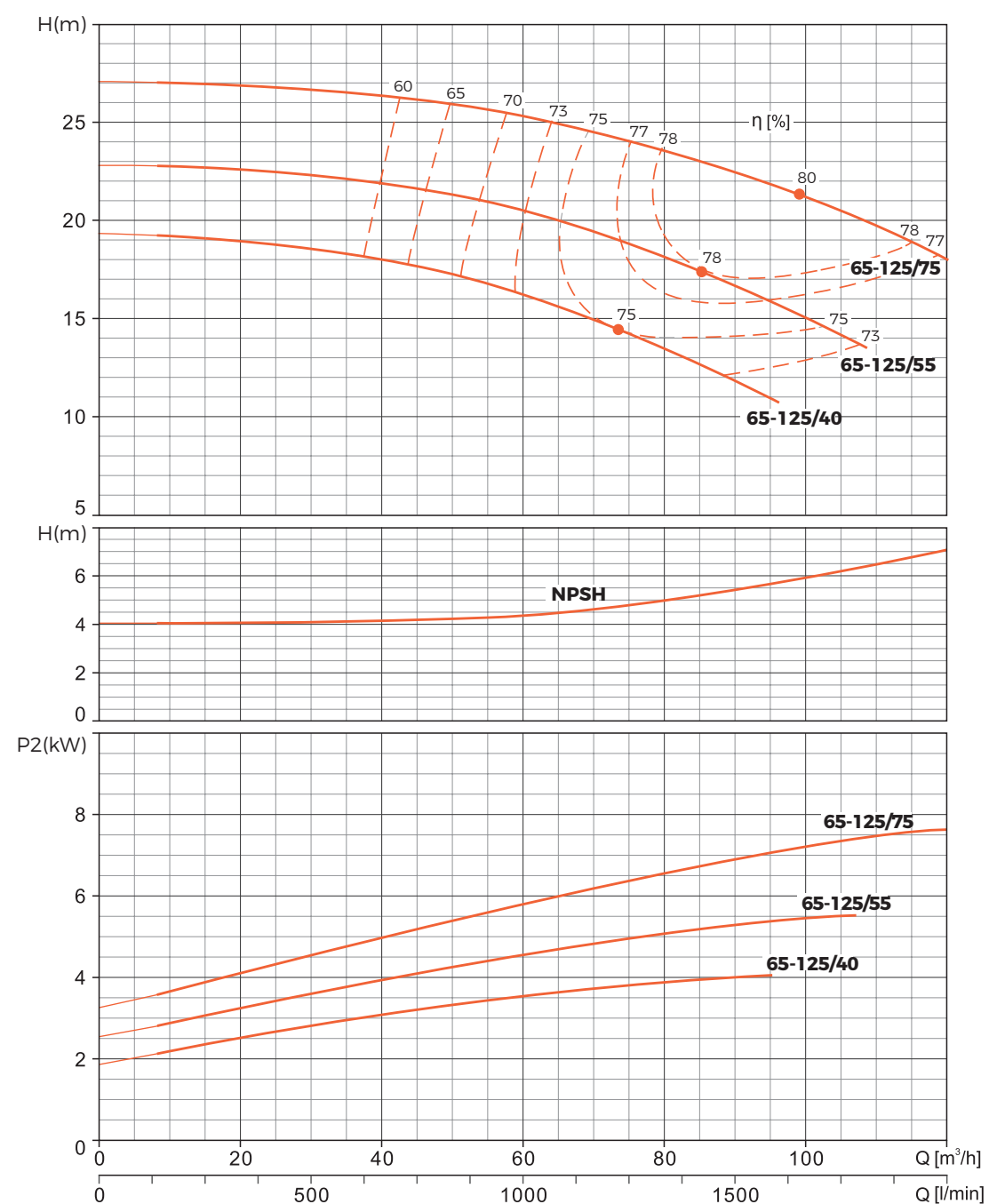
Hydraulic Performance Curves

XST50-250	Rated speed: 2900r/min	ISO 9906 Annex A
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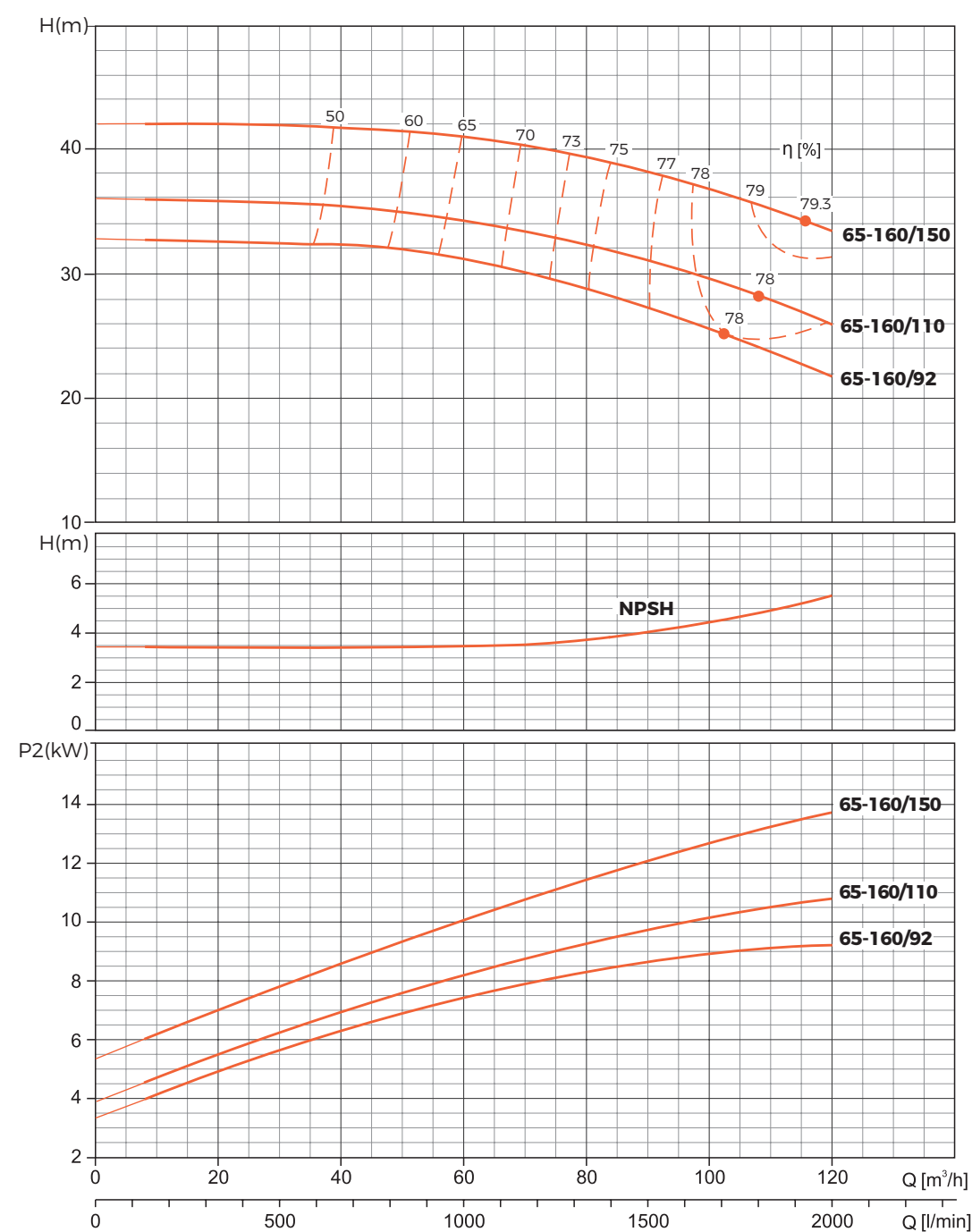
Hydraulic Performance Curves

XST65-125	Rated speed: 2900r/min	ISO 9906 Annex A
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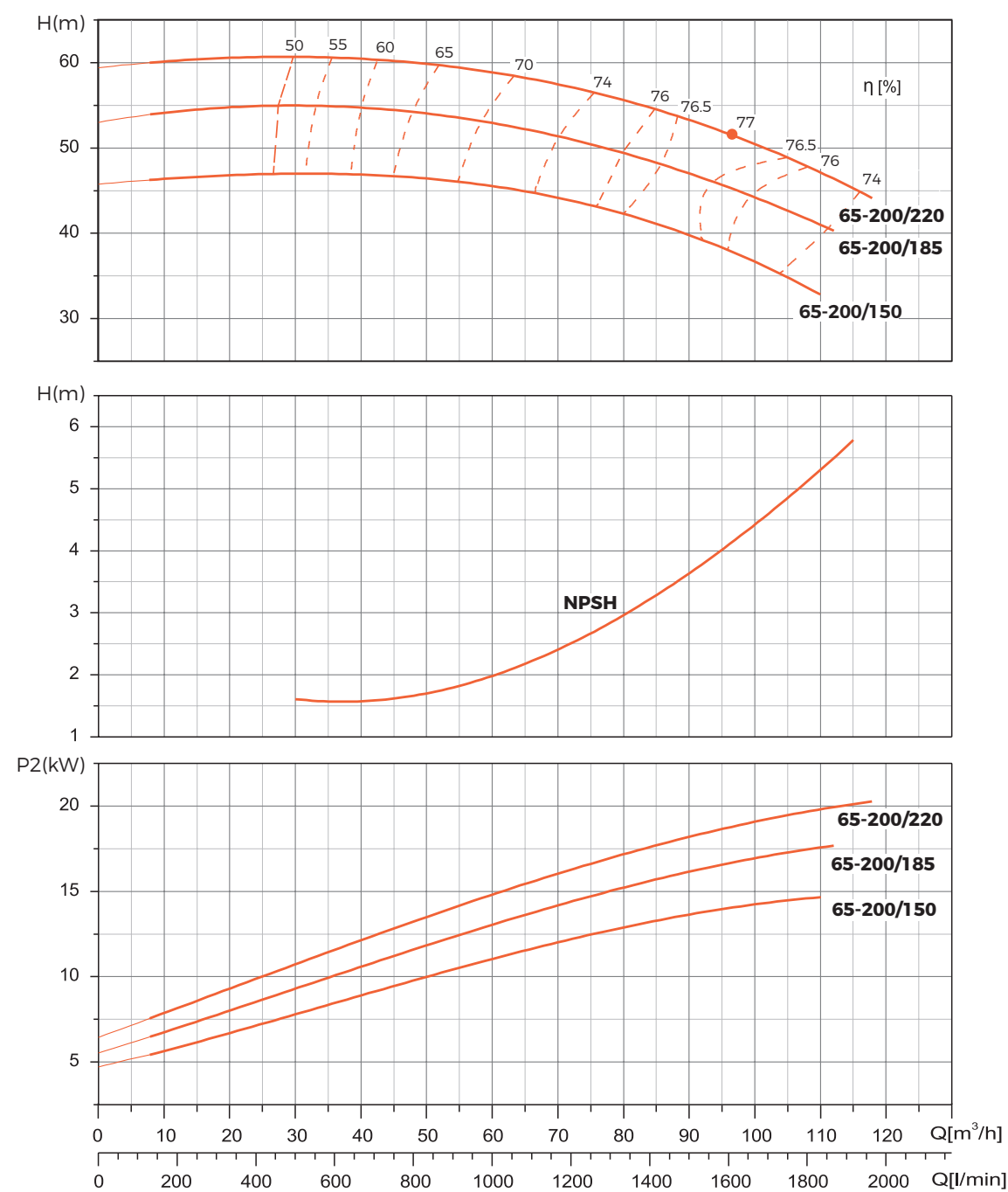
Hydraulic Performance Curves

XST65-160	Rated speed: 2900r/min	ISO 9906 Annex A
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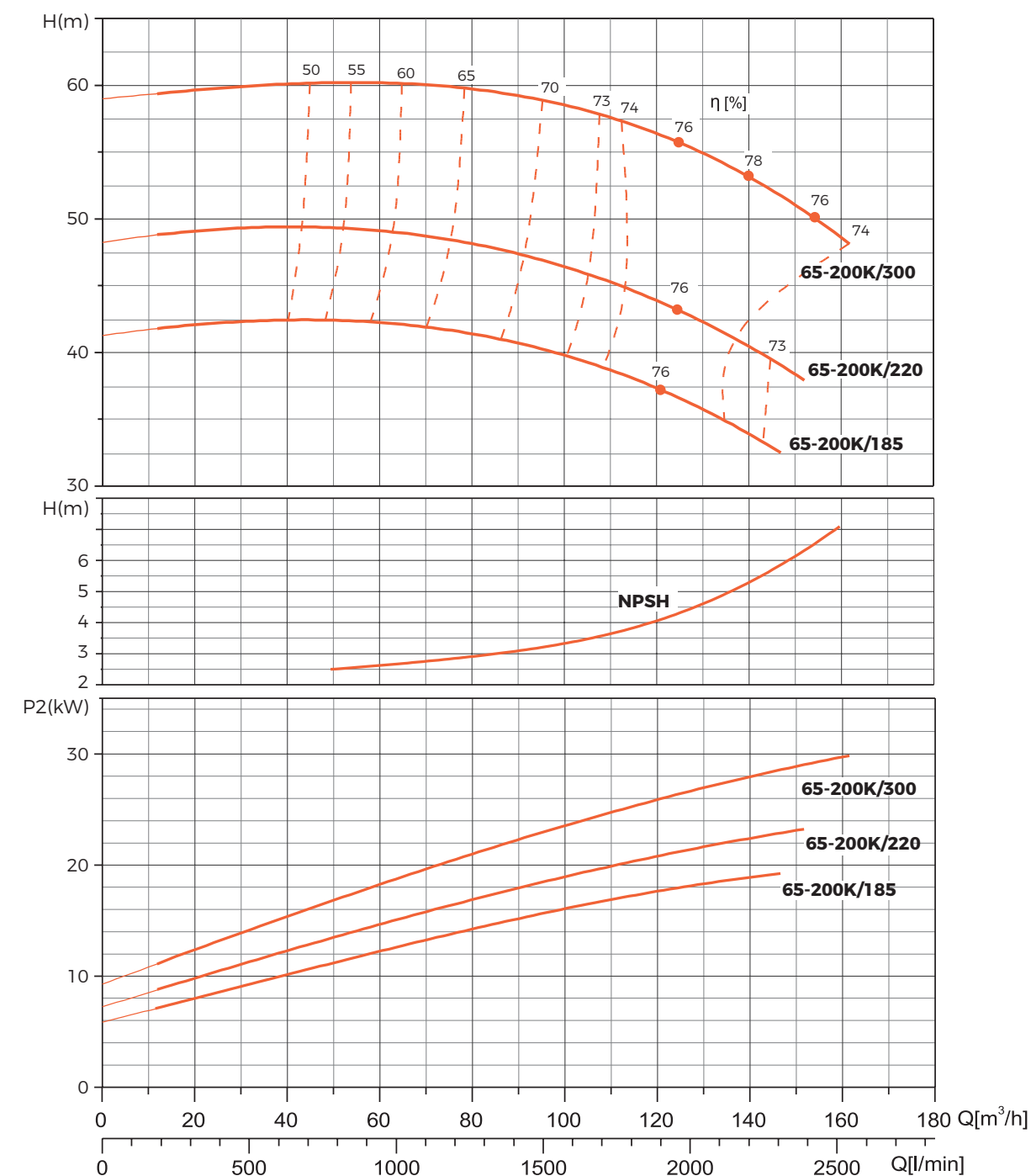
Hydraulic Performance Curves

XST65-200	Rated speed: 2900r/min	ISO 9906 Annex A
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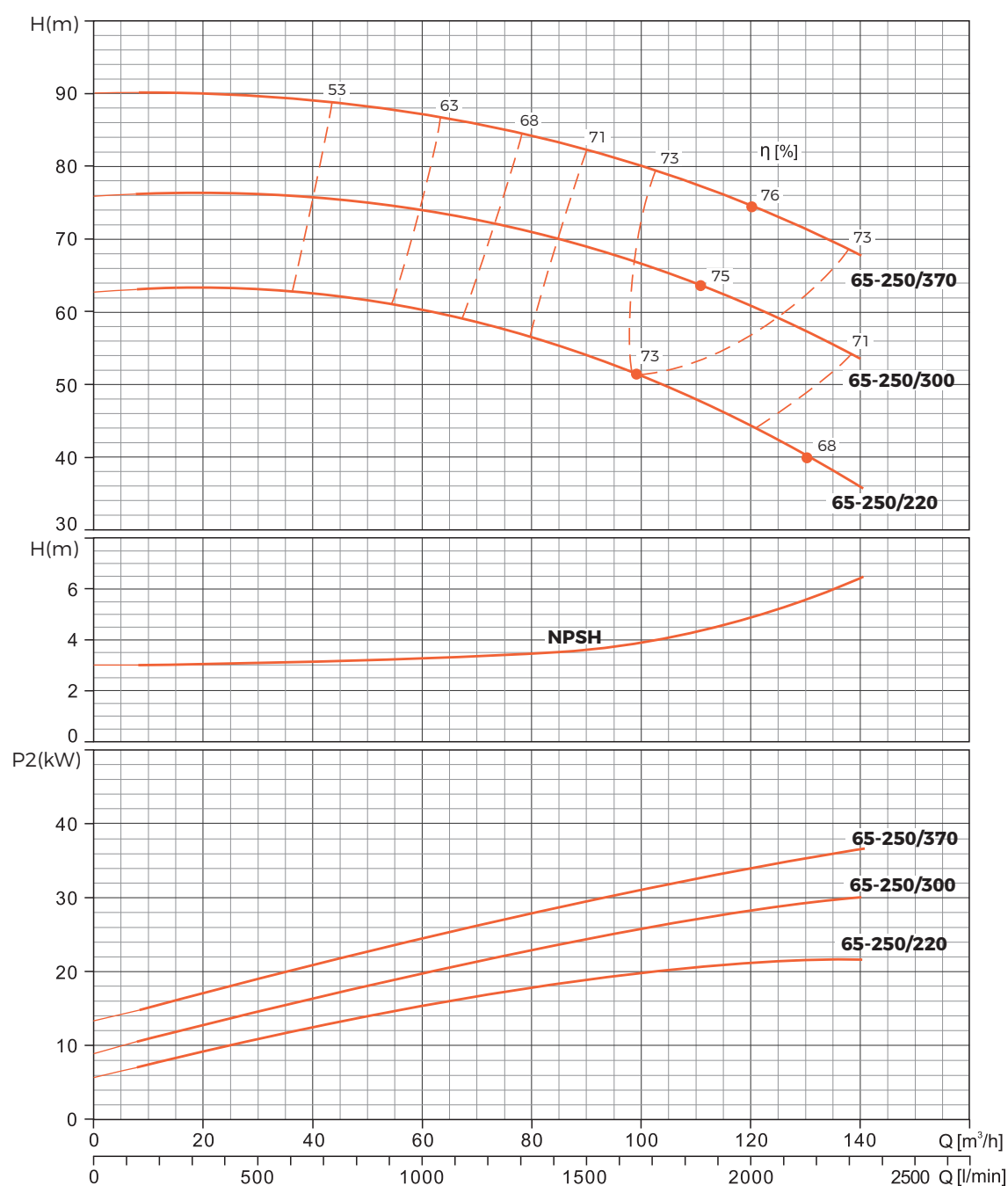
Hydraulic Performance Curves

XST65-200K	Rated speed: 2900r/min	ISO 9906 Annex A
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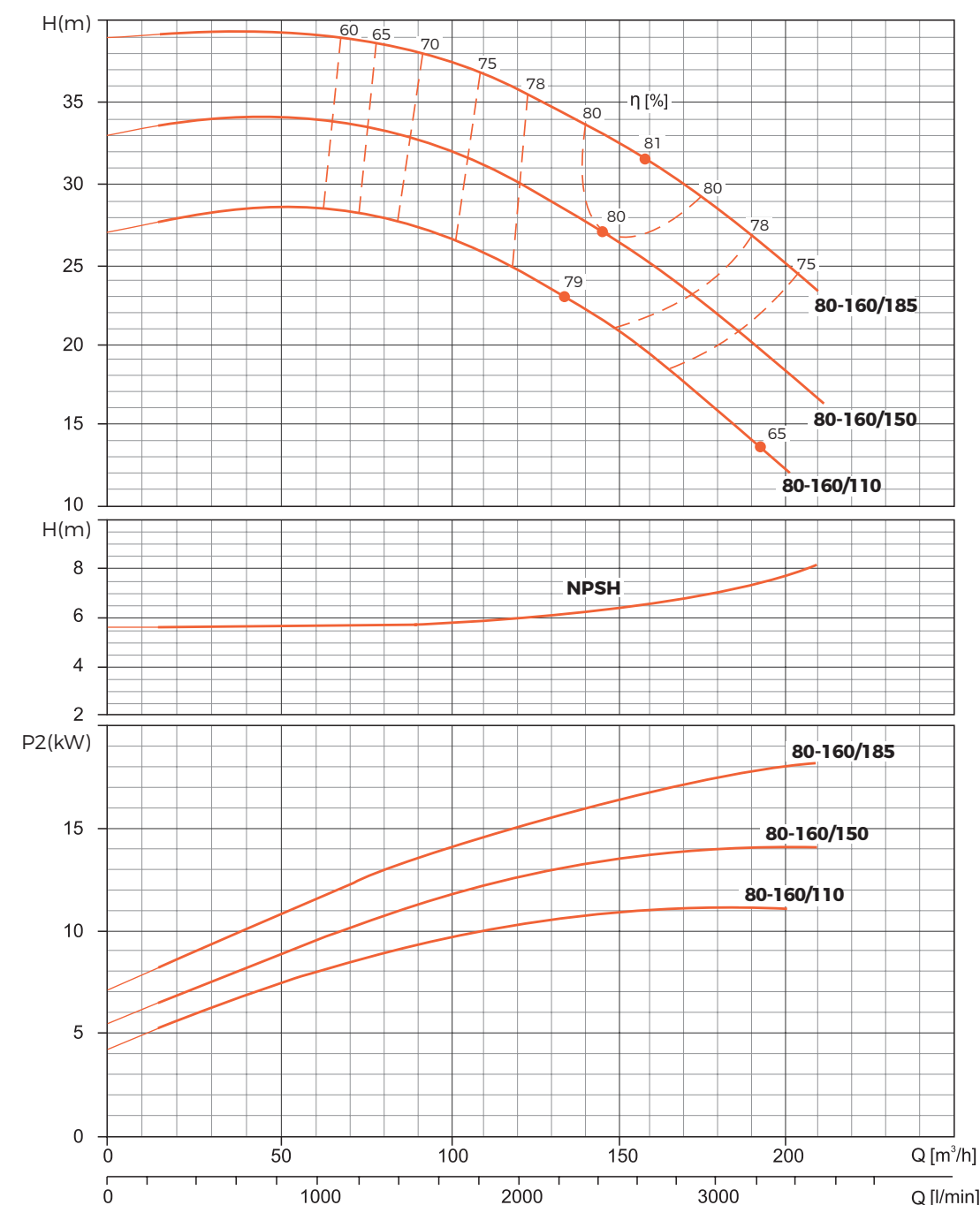
Hydraulic Performance Curves

XST65-250	Rated speed: 2900r/min	ISO 9906 Annex A
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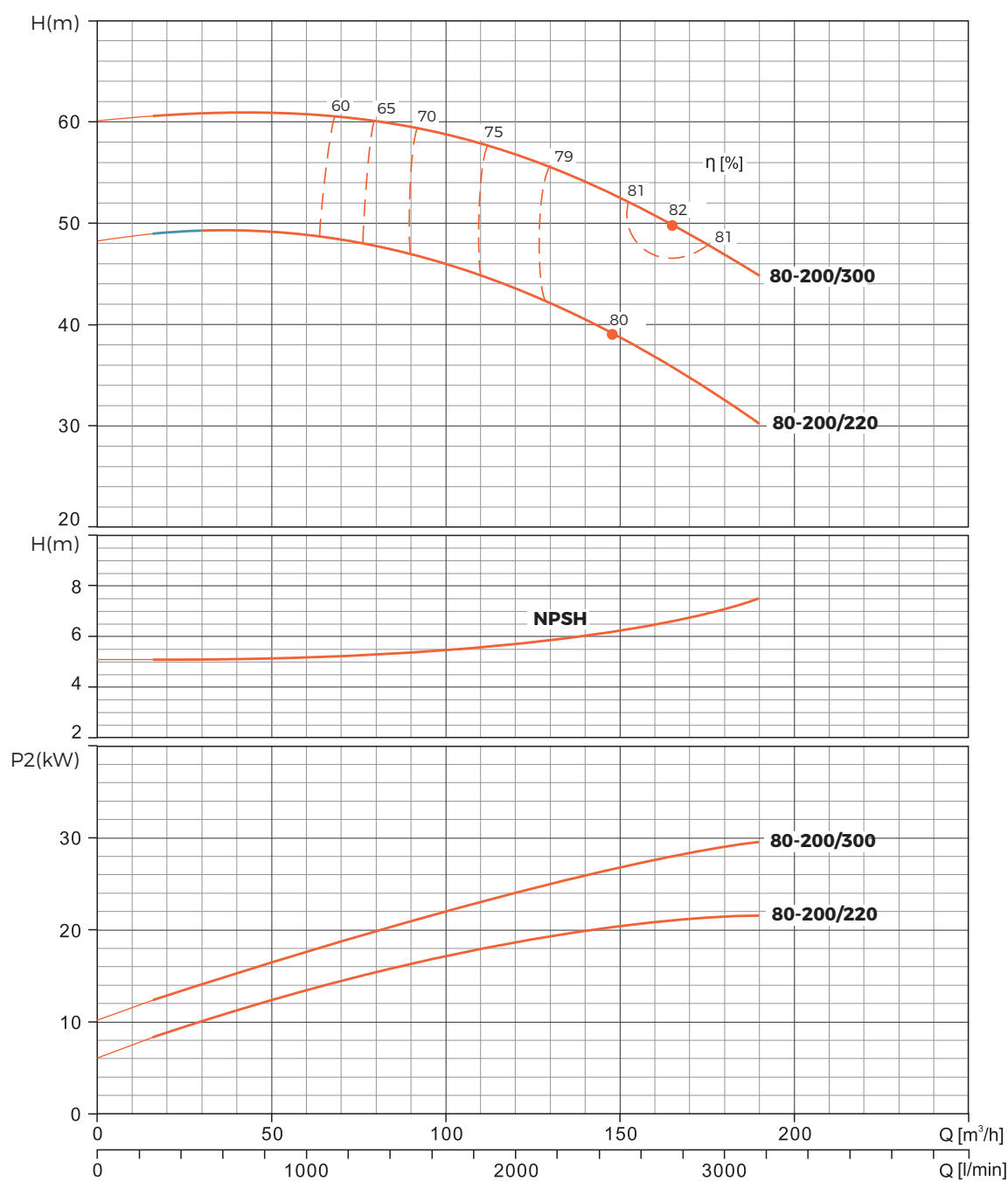
Hydraulic Performance Curves

XST80-160	Rated speed: 2900r/min	ISO 9906 Annex A
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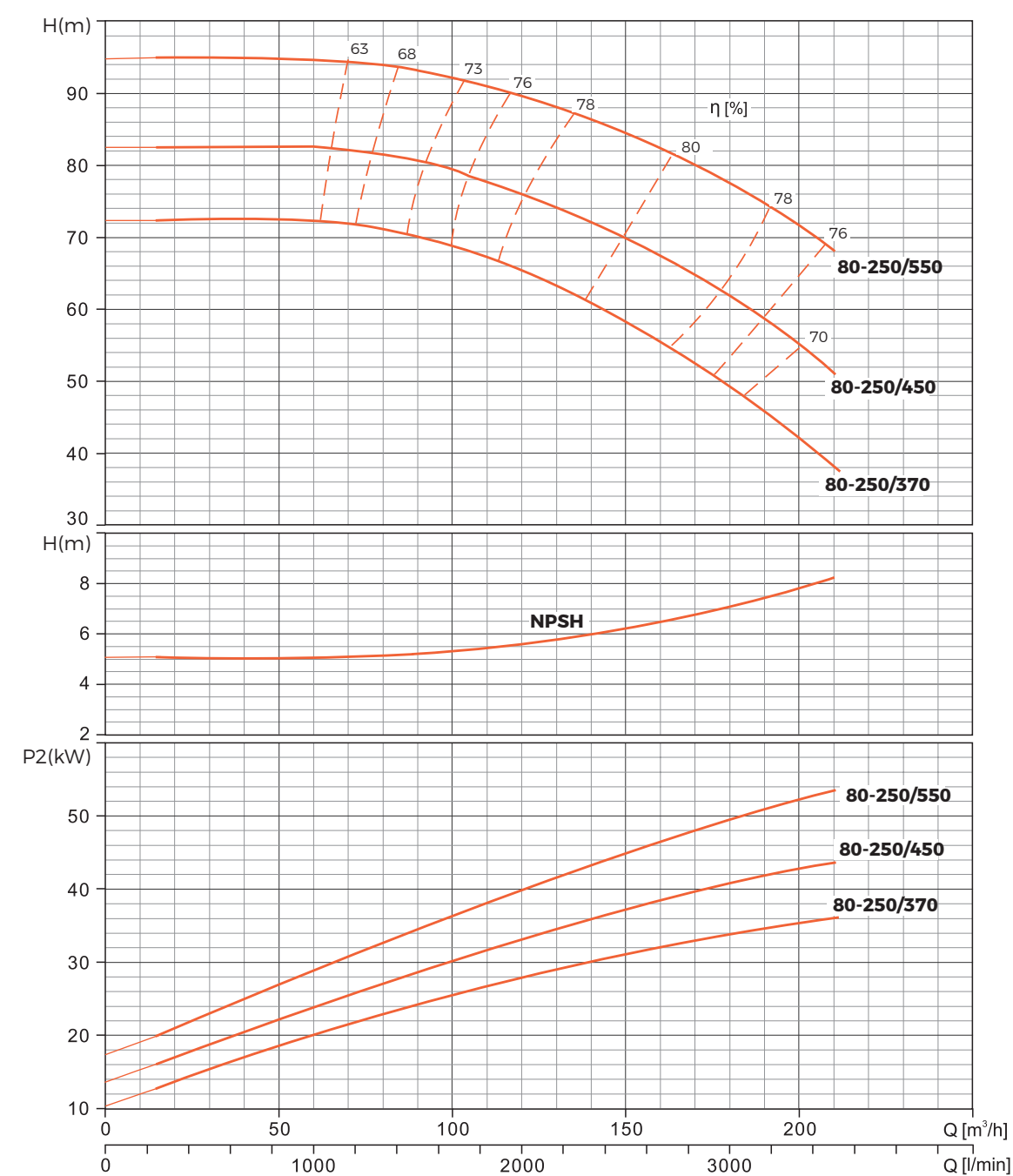
Hydraulic Performance Curves

XST80-200	Rated speed: 2900r/min	ISO 9906 Annex A
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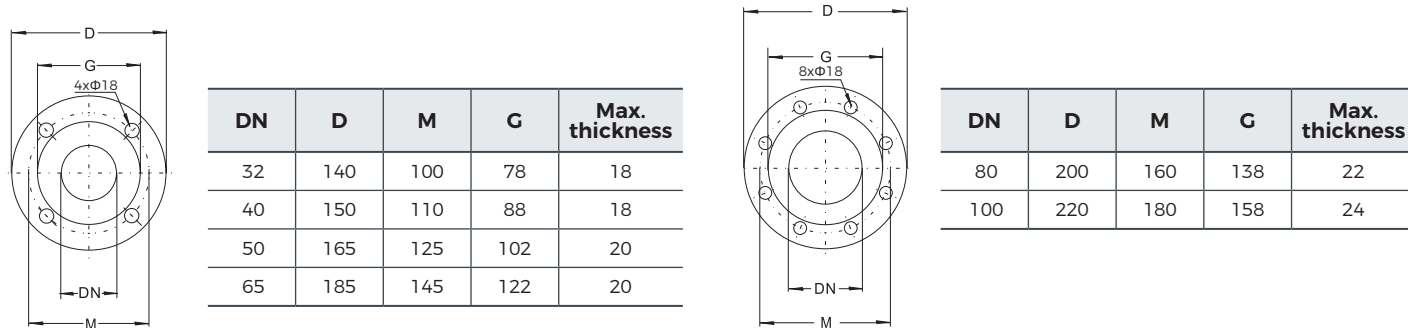
Hydraulic Performance Curves

XST80-250	Rated speed: 2900r/min	ISO 9906 Annex A
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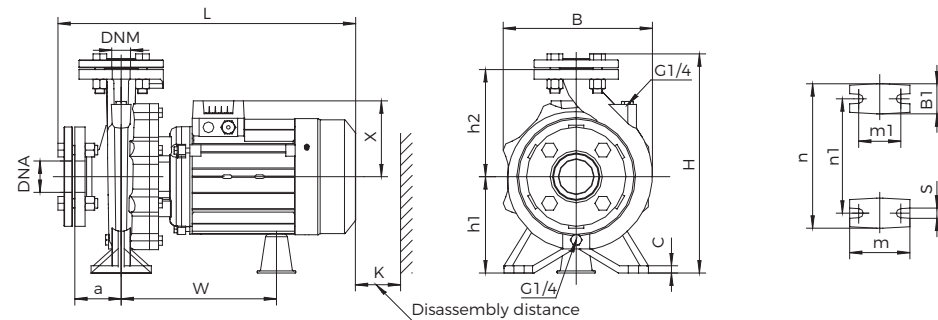
XST Standard Centrifugal Pump

Flange Size



Outline Drawing and Outline Size

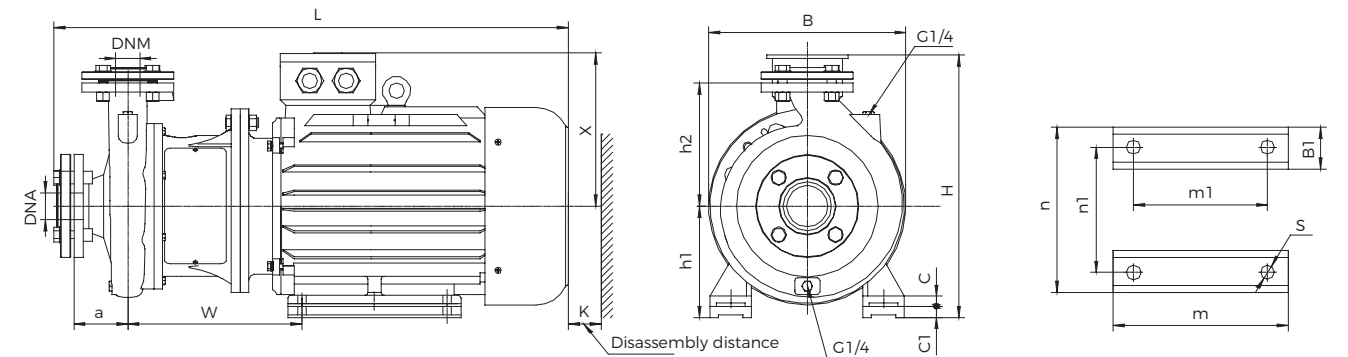
Less than or equal to 7.5 kW



Model	DNM	DNA	a	h2	w	x	B1	c	h1	m	m1	n	n1	s	B	H	L	K						
XST32-125/7	32	50	80	140	223	113	50	12	112	100	70	190	140	15	197	278	427	85						
XSTm32-125/7						123																		
XST32-125/11						113																		
XSTm32-125/11						123																		
XST32-160/15						116																		
XSTm32-160/15						123																		
XST32-160/22						116																		
XSTm32-160/22						141																		
XST32-160/30				266	130																			
XSTm32-160/30					141																			
XST32-200/30					180	258	127	12	160															
XST32-200/40																								
XST32-250/55				154								198	263	179	60	15								
XST32-250/75																								
XST40-125/11				40	65	80	140	203	120			50	12	112	210	160	15	218	279	483	95			
XSTm40-125/11									128															
XST40-125/15	120																							
XSTm40-125/15	128																							
XST40-125/22	255	130																						
XSTm40-125/22		141																						
XST40-160/30		168	258						127	132														
XST40-160/40																								
XST40-200/55	100						180	179			160													
XST40-200/75																								
XST50-125/22	50	65	100				170	262	127	52	12	132	100	70				240	190	15	245	329	517	110
XSTm50-125/22									141															
XST50-125/30				127																				
XSTm50-125/30				127																				
XST50-125/40				266	179	68	14	160	125			95			280	212	271	367	577					
XST50-160/55																								
XST50-160/75																								
XST65-125/40																								
XST65-125/55	65	80	180	276	68	14	125	95	280	212	271	367	577											
XST65-125/75																								

Outline Drawing and Outline Size

Greater than 7.5 kW



Model	DNM	DNA	a	h2	w	x	B1	C	C1	h1	m	m1	n	n1	s	B	H	L	K													
XST40-250/92	40	65	100	225	312	255	65	20	20	180	260	210	314	254	14.5	350	445	840	110													
XST40-250/110																																
XST40-250/150																																
XST50-200/92	50	65	100	220	310	255	65	20	-	160	260	210	314	254		350	425	838	120													
XST50-200/110																																
XST50-250/150				225	310	255	65	20	20	180	304	254	314	254			445	882	110													
XST50-250/185																																
XST50-250/220																				323	280	70	22	-	311	241	349	279	465	923		
XST65-160/92	65	80	100	200	312	255	65	20	-	160	260	210	314	254		14.5	350	425	840	125												
XST65-160/110																																
XST65-160/150																																
XST65-200/150				225	310	255	65	20	20	180	304	254	314	254	445		838	882														
XST65-200/185																																
XST65-200/220																																
XST65-200K/185				323	280	70	22	-	311	241	349	279	355	465	923																	
XST65-200K/220				337	255	65	20	20	180	304	254	314	254	350	445		909															
XST65-200K/300				350	280	70	22	-	200	368	305	388	318	18.5	400		505	1027														
XST65-250/220				362	305	70	25									180			311		241	349	279	14.5	350	465	953					
XST65-250/300				353	280																							25	200	368	305	388
XST65-250/370				365	305			25	200	368	305	388	318	18.5	400		505	1030														
XST80-160/110	80	100	125	225	315	255	65									20			-	160	260	210	314	254	14.5	350	425					
XST80-160/150																												304	254	314	254	465
XST80-160/185								250	352	250	70	22	180	311	241		349	279			18.5	400	505	1065								
XST80-200/220				364	305	25	200									368			305	388					318	18.5	450	560	1104	120		
XST80-200/300									370	386	335	75	28	225	393		311	431			356	18.5	450	560							1104	120
XST80-250/370				280	386	335	75	28								225			393	311					431	356	18.5	450	560	1104		
XST80-250/450									438	370	80	30	30	280	445		349	484			406	24	550	650							1205	
XST80-250/550																																