

### ELETTROPOMPE CENTRIFUGHE BIGIRANTI TWIN IMPELLER CENTRIFUGAL PUMPS

#### APPLICAZIONI

Elettropompe centrifughe bigiranti per sollevare acqua pulita e liquidi moderatamente carichi di impurità non aggressivi per i materiali delle pompe. Caratteristica principale è l'impiego di due giranti contrapposte che permettono, a differenza del modello monogirante, elevate prevalenze. Adatte per impianti civili e industriali, distribuzione automatica dell'acqua a mezzo di piccoli-medi serbatoi (autoclave) e per irrigazione a pioggia in giardino e in agricoltura.

#### APPLICATION

Twin impeller centrifugal water pumps to lift clean water and non-aggressive liquids. The main feature are the two opposite impellers which allow higher lifts than in the single-impeller model. They are qualified for civil and industrial fittings, for water distribution by tank pressure groups and for irrigation in gardening and agriculture.



#### LIMITI D'IMPIEGO

- Temperatura liquido fino a 35°C (per un uso domestico secondo EN 60335-2-41)
- Temperatura max. liquido: 90°C (per altri impieghi)
- Temperatura ambiente fino a 40°C
- Altezza d'aspirazione manometrica fino a 7 mt.
- Servizio continuo

#### MOTORE

- Monofase 230V-50Hz
- Trifase 230/400V-50Hz P2 ≤ 7,5 kW
- Trifase 400/690V-50Hz P2 > 7,5 kW
- Motore elettrico ad induzione a 2 poli (n = 2850 min<sup>-1</sup>)
- Isolamento Classe F
- Protezione IP 55

#### MATERIALI

- Corpo pompa Ghisa
- Supporto motore Ghisa
- Giranti Ottone
- Albero motore Acciaio Inox AISI 304
- Tenute meccaniche Ceramica/Grafite/NBR

#### OPERATING CONDITIONS

- Liquid temperature up to 35°C (for home use according to EN 60335-2-41)
- Temperature max. liquid: 90°C (for other uses)
- Ambient temperature up to 40°C
- Total suction lift up to 7 mt.
- Continuous duty

#### MOTOR

- Single-phase 230V-50Hz
- Three-phase 230/400V-50Hz P2 ≤ 7,5 kW
- Three-phase 400/690V-50Hz P2 > 7,5 kW
- Two-Pole induction motor (n = 2850 min<sup>-1</sup>)
- Insulation Class F
- Protection IP 55

#### MATERIALS

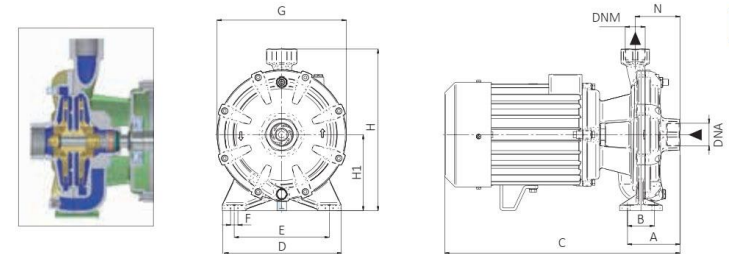
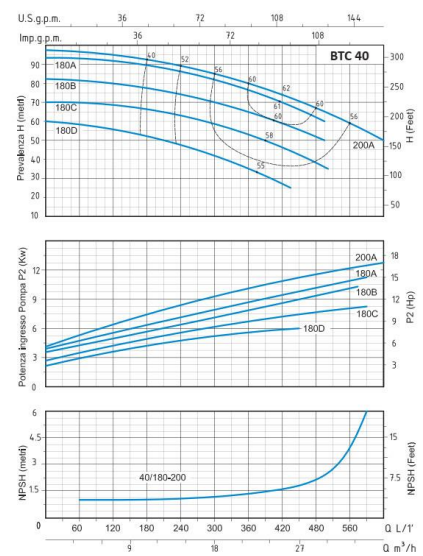
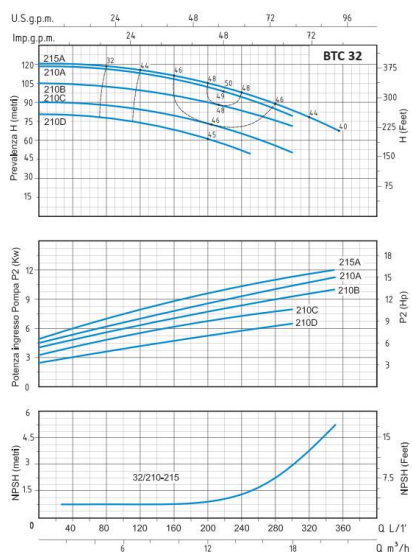
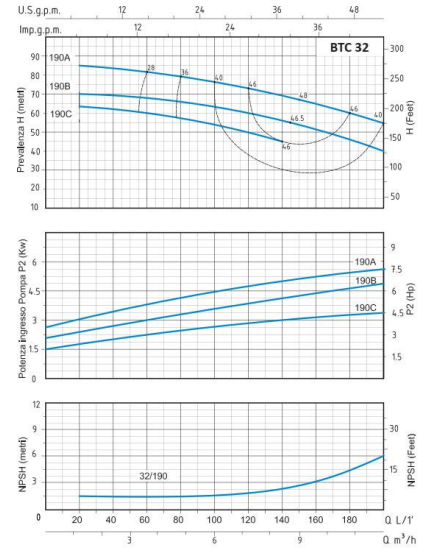
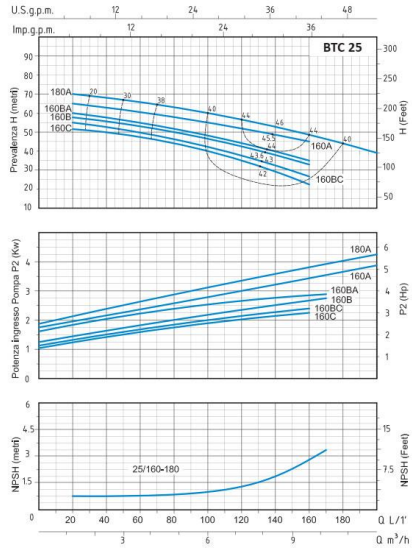
- Pump body Cast Iron
- Motor Support Cast Iron
- Impellers Brass
- Shaft with rotor Stainless Steel AISI 304
- Mechanical seal Ceramic/Graphite/NBR

BTC - 50 HZ - 1 PHASE / 3 PHASE																	
TIPO TYPE		POTENZA NOMINALE NOMINAL POWER		POTENZA ASSORBITA INPUT POWER	AMPERE		Q = PORTATA- CAPACITY										
Monofase Single-phase	Trifase Three-phase	P2		P1	Monofase Single-phase	Trifase Three-phase	m <sup>3</sup> /h lt/1'	1,2	2,4	3,6	4,8	6	7,2	8,4	9,6	10,8	12
		HP	KW	KW				120	140	160	180	200					
BTC 25/160C	BTCt 25/160C	1,5	1,1	2,2	10	4,3		51	49	47	44	40	35	27	23		
BTC 25/160BC		2	1,5	2,4	11			54	52	49	46	42	36	28	26		
	BTCt 25/160B	2	1,5	2,6		5		58	56	53,5	50	47,5	42	35	31		
BTC 25/160BA	BTCt 25/160BA	2,5	1,85	2,8	13	5,2		61	59	57	54	48	42	35	33		
BTC 25/160A	BTCt 25/160A	3	2,2	3,6	16	5,7		65	62,5	61	59	57	54	50,5	46		
	BTCt 25/180A	4	3	4,2		7		70	68	65	63	60	57	54	49	44	39

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Monofase Single-phase	Trifase Three-phase	P2		P1	Monofase Single-phase	Trifase Three-phase	m <sup>3</sup> /h lt/1'	1,2	2,4	3,6	4,8	6	7,2	8,4	9,6	10,8	12
		HP	KW	KW				120	140	160	180	200					
BTC 32/190C	BTCt 32/190C	3	2,2	3,6	16	5,7		63	60	58	56	54	50	46			
	BTCt 32/190B	4	3	4,5		7,5		74	72	69,5	65	63	60	56	54	49	43
BTC 32/190A	BTCt 32/190A	5,5	4	6	29	9,3		88	86	84	80	77	74	68	64	60	56

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Monofase Single-phase	Trifase Three-phase	P2		P1	Monofase Single-phase	Trifase Three-phase	m <sup>3</sup> /h lt/1'	0	1,5	3	4,5	6	9	12	15	18	21
		HP	KW	KW				0	25	50	75	100	150	200	250	300	350
BTC 32/210D	BTCt 32/210D	5,5	4	6	29	9,3		79	78,8	78,5	77,3	75,5	70	62	50	48	45
	BTCt 32/210C	7,5	5,5	8		13		90	89,5	89	88	87	82,5	76	60	49	
	BTCt 32/210B	10	7,5	10		16		105,5	105,3	105	104	102,5	98	91	82	68	
	BTCt 32/210A	12,5	9,2	11,5		18,5		117	116,8	116,5	115,5	114,5	110	103	94	82	
	BTCt 32/215A	15	11	13		21		120	119,8	119,5	118,5	117,5	112	105	96	84	67

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Monofase Single-phase	Trifase Three-phase	P2		P1	Monofase Single-phase	Trifase Three-phase	m <sup>3</sup> /h lt/1'	0	3	6	9	15	18	24	27	30	36
		HP	KW	KW				0	50	100	150	250	300	400	450	500	600
BTC 40/180D	BTCt 40/180D	5,5	4	6	29	9,3		60	59	58	56	50	45	34	25		
	BTCt 40/180C	7,5	5,5	8		13		71	70,7	70,5	69	64	60	50	43	35	
	BTCt 40/180B	10	7,5	10		16		87	86	85	83	78	75	65	60	51	
	BTCt 40/180A	12,5	9,2	11,5		18,5		93,5	93,3	93	92	87	82	71	65	58	
	BTCt 40/200A	15	11	13		21		96	95,8	95,5	94,5	90	86	77	71	65	48



**BTC**

**BTC - 50 HZ - 1 PHASE / 3 PHASE**

TIPO TYPE		DIMENSIONI mm- DIMENSIONS mm											DIMENSIONI DIMENSIONS mm			PESO WEIGHT	
Monofase Single-phase	Trifase Three-phase	A	B	C	D	E	F	G	H	H1	N	DNA	DNM	P	L	H	Kg
BTC 25/160C	BTCT 25/160C	95	50	400	208	168	10	222	265	120	85	1" 1/4	1"	240	414	314	24.6
BTC 25/160BA	BTCT 25/160BA	95	50	432	208	168	10	222	265	120	85	1" 1/4	1"	240	414	314	26.4
BTC 25/160A	BTCT 25/160A	95	46	432	208	168	10	222	265	120	85	1" 1/4	1"	259	507	345	29.9
BTC 25/160A	BTCT 25/160A	108,5	46	440	230	190	12	246	290	132	92,5	1" 1/4	1"	259	507	345	36.1
BTC 25/180A	BTCT 25/180A	108,5	46	440	230	190	12	246	290	132	92,5	1" 1/4	1"	310	530	460	35.9

**BTC - 50 HZ - 1 PHASE / 3 PHASE**

TIPO TYPE		DIMENSIONI mm- DIMENSIONS mm											DIMENSIONI DIMENSIONS mm			PESO WEIGHT	
Monofase Single-phase	Trifase Three-phase	A	B	C	D	E	F	G	H	H1	N	DNA	DNM	P	L	H	Kg
BTC 32/190C	BTCT 32/190C	120	60	450	250	200	15	272	340	160	94	1" 1/2	1" 1/4	310	530	460	40.7
BTC 32/190BA	BTCT 32/190BA	120	60	485	250	200	15	272	340	160	94	1" 1/2	1" 1/4	310	530	460	44.9
BTC 32/190A	BTCT 32/190A	120	60	495	250	200	15	272	340	160	94	1" 1/2	1" 1/4	310	530	460	53.9

**BTC - 50 HZ - 1 PHASE / 3 PHASE**

TIPO TYPE		DIMENSIONI mm- DIMENSIONS mm											DIMENSIONI DIMENSIONS mm			PESO WEIGHT	
Monofase Single-phase	Trifase Three-phase	A	B	C	D	E	F	G	H	H1	N	DNA	DNM	P	L	H	Kg
BTC 32/210D	BTCT 32/210D	121	60	530	280	225	15	300	375	160	107	2"	1" 1/4	342	620	475	60
BTC 32/210C	BTCT 32/210C	121	60	575	280	225	15	300	375	160	107	2"	1" 1/4	342	620	475	70.6
BTC 32/210B	BTCT 32/210B	121	60	575	280	225	15	300	375	160	107	2"	1" 1/4	342	620	475	75.4
BTC 32/210A	BTCT 32/210A	121	60	575	280	225	15	300	375	160	107	2"	1" 1/4	372	805	550	91.1
BTC 32/215A	BTCT 32/215A	121	60	612	280	225	15	300	375	160	107	2"	1" 1/4	372	805	550	96.1

**BTC - 50 HZ - 1 PHASE / 3 PHASE**

TIPO TYPE		DIMENSIONI mm- DIMENSIONS mm											DIMENSIONI DIMENSIONS mm			PESO WEIGHT	
Monofase Single-phase	Trifase Three-phase	A	B	C	D	E	F	G	H	H1	N	DNA	DNM	P	L	H	Kg
BTC 40/180D	BTCT 40/180D	126	60	535	280	225	15	300	375	160	116	2"	1" 1/2	342	620	475	60.9
BTC 40/180C	BTCT 40/180C	126	60	580	280	225	15	300	375	160	116	2"	1" 1/2	342	620	475	71.2
BTC 40/180B	BTCT 40/180B	126	60	580	280	225	15	300	375	160	116	2"	1" 1/2	342	620	475	72.6
BTC 40/180A	BTCT 40/180A	126	60	580	280	225	15	300	375	160	116	2"	1" 1/2	372	805	550	94.1
BTC 40/200A	BTCT 40/200A	126	60	612	280	225	15	300	375	160	116	2"	1" 1/2	372	805	550	97.1