



**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⁻¹)
- 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⁻¹)
- 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																
		P2	P1	Monofase Single-phase	Trifase Three-phase	m³/h	1.2	2.4	3.6	4.8	6	7.2	8.4	9.6	10.8	12						
Monofase Single-phase	Trifase Three-phase	HP	KW	Monofase Single-phase	Trifase Three-phase	lt/1'	20	40	60	80	100	120	140	160	180	200	Prevalenza manometrica totale in m. C.A. - Total head in meters w.c.					
BTC 25/160C	BTC 25/160C	1.5	1.1	2.2	10	4.3	51	49	47	44	40	35	27	23								
BTC 25/160BC	BTC 25/160BC	2	1.5	2.4	11		54	52	49	46	42	36	28	26								
BTC 25/160A	BTC 25/160A	2	1.5	2.6		5	58	56	53.5	50	47.5	42	35	31								
BTC 25/160BA	BTC 25/160BA	2.5	1.85	2.8	13	5.2	61	59	57	54	48	42	35	33								
BTC 25/160A	BTC 25/160A	3	2.2	3.6	16	5.7	65	62.5	61	59	57	54	50.5	46								
BTC 25/180A	BTC 25/180A	4	3	4.2		7	70	68	65	63	60	57	54	49	44	39						

BTC - 50 HZ - 1 PHASE / 3 PHASE

TIPO TYPE	POTENZA NOMINALE NOMINAL POWER	POTENZA ASSORBITA INPUT POWER		AMPERE		Q = PORTATA - CAPACITY																
		P2	P1	Monofase Single-phase	Trifase Three-phase	m³/h	1.2	2.4	3.6	4.8	6	7.2	8.4	9.6	10.8	12						
Monofase Single-phase	Trifase Three-phase	HP	KW	Monofase Single-phase	Trifase Three-phase	lt/1'	20	40	60	80	100	120	140	160	180	200	Prevalenza manometrica totale in m. C.A. - Total head in meters w.c.					
BTC 32/190C	BTC 32/190C	3	2.2	3.6	16	5.7	63	60	58	56	54	50	46									
BTC 32/190A	BTC 32/190A	4	3	4.5		7.5	74	72	69.5	65	63	60	56	54	49	43						
BTC 32/190A	BTC 32/190A	5.5	4	6	29	9.3	88	86	84	80	77	74	68	64	60	56						

BTC - 50 HZ - 1 PHASE / 3 PHASE

TIPO TYPE	POTENZA NOMINALE NOMINAL POWER	POTENZA ASSORBITA INPUT POWER		AMPERE		Q = PORTATA - CAPACITY																					
		P2	P1	Monofase Single-phase	Trifase Three-phase	m³/h	0	1.5	3	4.5	6	9	12	15	18	21	24	27	30	35							
Monofase Single-phase	Trifase Three-phase	HP	KW	Monofase Single-phase	Trifase Three-phase	lt/1'	0	25	50	75	100	150	200	250	300	350	Prevalenza manometrica totale in m. C.A. - Total head in meters w.c.										
BTC 32/210D	BTC 32/210D	5.5	4	6	29	9.3	79	78.8	78.5	77.3	75.5	70	62	50													
BTC 32/210C	BTC 32/210C	7.5	5.5	8		13	90	89.5	89	88	87	82.5	76	60	49												
BTC 32/210B	BTC 32/210B	10	7.5	10		16	105.5	105.3	105	104	102.5	98	91	82	68												
BTC 32/210A	BTC 32/210A	12.5	9.2	11.5		18.5	117	116.8	116.5	115.5	114.5	110	103	94	82												
BTC 32/215A	BTC 32/215A	15	11	13		21	120	119.8	119.5	118.5	117.5	112	105	96	84	67											

BTC - 50 HZ - 1 PHASE / 3 PHASE

TIPO TYPE	POTENZA NOMINALE NOMINAL POWER	POTENZA ASSORBITA INPUT POWER		AMPERE		Q = PORTATA - CAPACITY																					
		P2	P1	Monofase Single-phase	Trifase Three-phase	m³/h	0	3	6	9	15	18	24	27	30	36	40	45	50	500	600						
Monofase Single-phase	Trifase Three-phase	HP	KW	Monofase Single-phase	Trifase Three-phase	lt/1'	0	50	100	150	200	300	400	450	500	600	Prevalenza manometrica totale in m. C.A. - Total head in meters w.c.										
BTC 40/180D	BTC 40/180D	5.5	4	6	29	9.3	60	59	58	56	50	45	34	25													
BTC 40/180C	BTC 40/180C	7.5	5.5	8		13	71	70.7	70.5	69	64	60	50	43	35												
BTC 40/180B	BTC 40/180B	10	7.5	10		16	87	86	85	83	78	75	65	60	51												
BTC 40/180A	BTC 40/180A	12.5	9.2	11.5		18.5	93.5	93.3	93	92	87	82	71	65	58												
BTC 40/200A	BTC 40/200A	15	11	13		21	96	95.8	95.5	94.5	90	86	77	71	65	48											