

BHP

4" SUBMERSIBLE PUMPS





TECHNICAL DATA

Flow rate: up to 27 GPM (101 l/m) (6.1 m³/h)

Head up to: 180 feet (55 m)

Maximum immersion depth : 49 feet (14 m)

Type of pumped liquid: Clean, free of solids and abrasive substances, non-viscous, non-aggressive, non-crystallized and chemically neutral

Liquid temperature: From +32°F to +104°F (0°C to +40°C)

Maximum operating pressure: 116 psi (8 bar)

Pump maximum diameter: 3.9" (100 mm)

Single phase power input: 1x115v60Hz / 1x230v60Hz

Power cable: 10 Feet (3 m)

Possible type of installation: Fixed in vertical position

Certification: CAN/CSA C22.2 No. 108-14 - Liquid Pumps
UL 778- 6th Ed. - Motor Operated Water Pumps

4" multi-impeller submersible pumps designed for pressurization, gardening and irrigation, withdraw water from underground in domestic and residential, civil and commercial areas and irrigation systems also in agriculture.

CONSTRUCTION FEATURES OF THE PUMP

Technopolymer impellers housed in the stage box with stainless steel shim rings. Integrated suction filter. Built-in check valve in technopolymer.

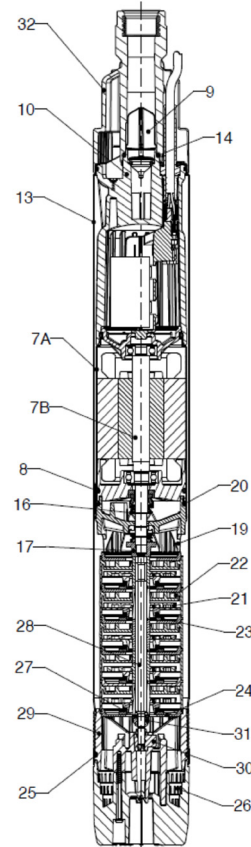
CONSTRUCTION FEATURES OF THE MOTOR

Integrated thermal protection and capacitor.

MATERIALS

N°	PART*	MATERIALS
7	MOTOR	CASE AISI 304 STAINLESS STEEL
		ROTOR SHAFT AISI 416
8	OR RING	NBR
9	NON-RETURN VALVE	TECHNOPOLYMER / NBR
10	COVER	TECHNOPOLYMER
13	BODY	AISI 304 STAINLESS STEEL
14	OR RING	NBR
16	WASHER	A2 STAINLESS STEEL
17	WASHER	AISI 316L
19	DIFFUSER SUPPORT	TECHNOPOLYMER
20	OR RING	NBR
21	IMPELLER	TECHNOPOLYMER / AISI 316 STAINLESS STEEL
22	DIFFUSER	TECHNOPOLYMER
23	THRUST RING	TECHNOPOLYMER
24	FINAL DIFFUSER CAP	TECHNOPOLYMER
25	OR RING	NBR
26	FILTER HOUSING	TECHNOPOLYMER
27	WASHER	A2 STAINLESS STEEL
28	SHAFT	AISI 303
29	DIFFUSER SLEEVE	TECHNOPOLYMER
30	SHAFT GUIDE BUSH	NBR + 1%MoS2
31	NUT	A2 UNI 7474 STAINLESS STEEL
32	TOP COVER	TECHNOPOLYMER

* In contact with the liquid.

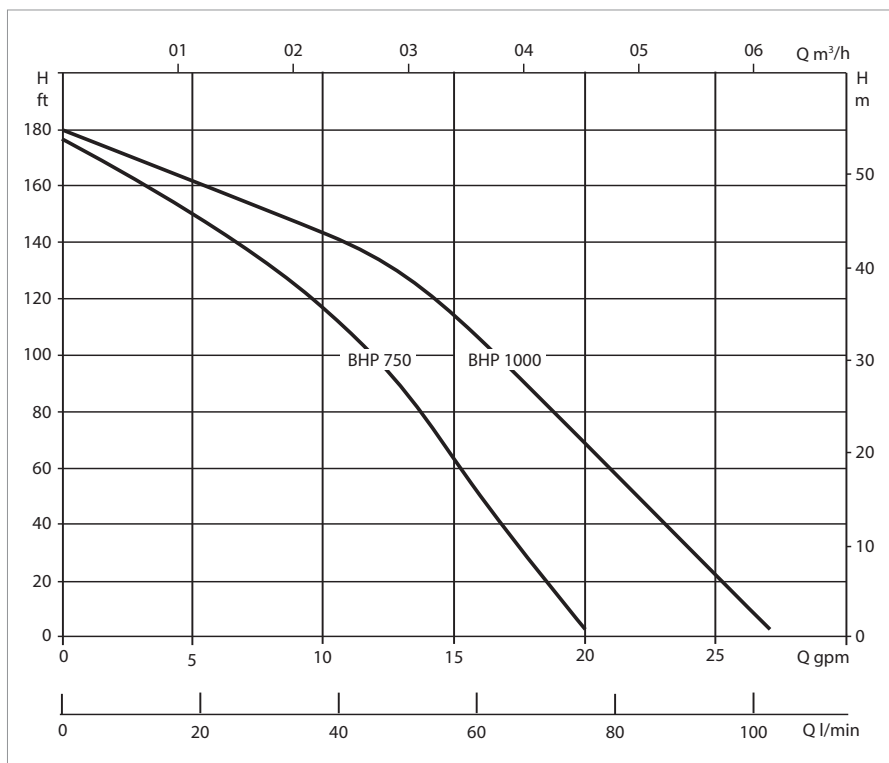
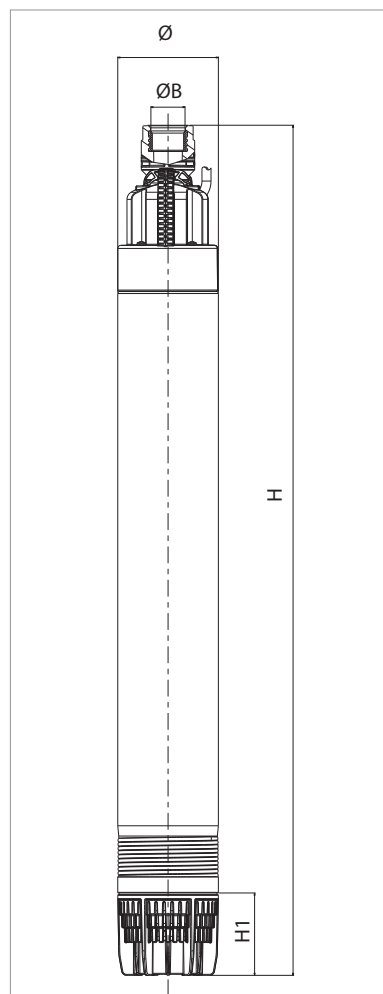


ELECTRICAL DATA AND PERFORMANCE

MODEL	ELECTRICAL DATA				HYDRAULIC DATA - US units										HYDRAULIC DATA - SI units										
	VOLTAGE 60 Hz	P1 MAX kW	In MAX A	CAPACITOR	GPM	0	4	8	12	16	20	22	24	27	m³/h	0.0	0.9	1.8	2.7	3.6	4.5	5.0	5.5	6.1	
						l/min	0	15	30	45	60	75	83	91	101										
BHP 750 HP 115V 60 HZ	115V	0.9	8.5	35µF ; V250	Ft	177	156	132	99	50	3				m	54	47	40	30	15	1				
BHP 750 HP 230V 60 HZ	230V	0.9	4	16µF ; V450		177	156	132	99	50	3					54	47	40	30	15	1				
BHP 1000 115V 60 HZ	115V	1.2	11.5	40µF ; V250		180	165	150	135	105	70	48	30	3		55	50	46	41	32	21	15	9	1	
BHP 1000 230V 60 HZ	230V	1.2	5.5	16µF ; V450		180	165	150	135	105	70	48	30	3		55	50	46	41	32	21	15	9	1	

DIMENSIONAL DATA

MODEL	PUMP DIMENSIONS				PACKING DIMENSIONS			WEIGHT	
	ØB	Ø	H	H1	L	W	H	Lbs	kg
BHP 750 HP 115V 60 HZ	1"NPT F	3.9"	32.6"	3.1"	36"	6.3"	6.3"	28.7	13
		99 mm	828 mm	79 mm	915 mm	160 mm	160 mm		
BHP 750 HP 230V 60 HZ	1"NPT F	3.9"	32.6"	3.1"	36"	6.3"	6.3"	28.7	13
		99 mm	828 mm	79 mm	915 mm	160 mm	160 mm		
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		99 mm	828 mm	79 mm	915 mm	160 mm	160 mm		
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		99 mm	828 mm	79 mm	915 mm	160 mm	160 mm		



The performance curves are based on kinematic viscosity values = 1 mm²/s and density equivalent to 1000 kg/m³. Curve tolerance according to ISO 9906.



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DAB
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