

SUBMERSIBLE TURBINE PUMPS

Stainless steel borehole pumps for 6" deep wells suitable for water feeding from deep wells, sprinkling and flow irrigation systems, water treatment plants filtration, industrial cooling and processing, fountains and fire-fighting systems.



SPECIFICATIONS

- Maximum allowable amount of sand 50ppm
- Maximum liquid temperature : 50°C

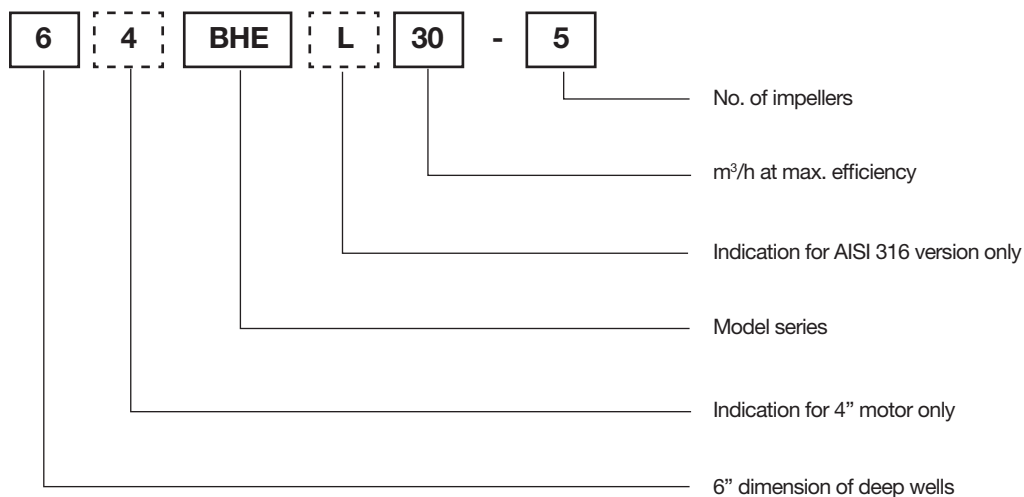
MATERIAL

- Completely in AISI 304 and AISI 316
- Liner ring in PTFE

TECHNICAL DATA

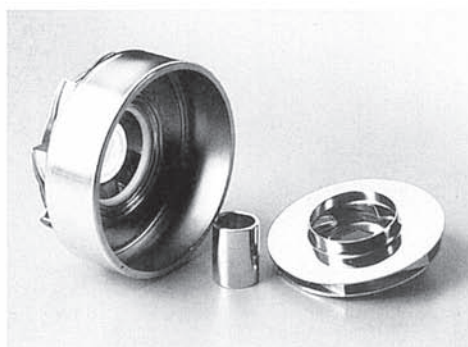
- AISI 316 version available on request
- BHE 14 and 19 types with Rp 2" and 3" discharge head
- Rp 4" discharge head
- 4" motor adapter

PUMP IDENTIFICATION CODE

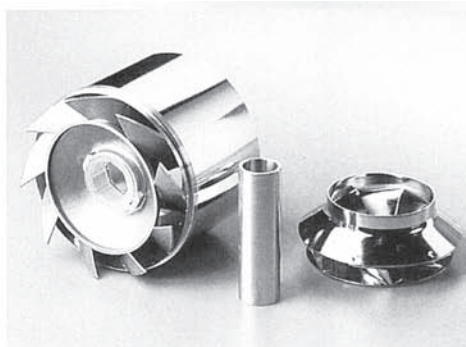


PART DESCRIPTION

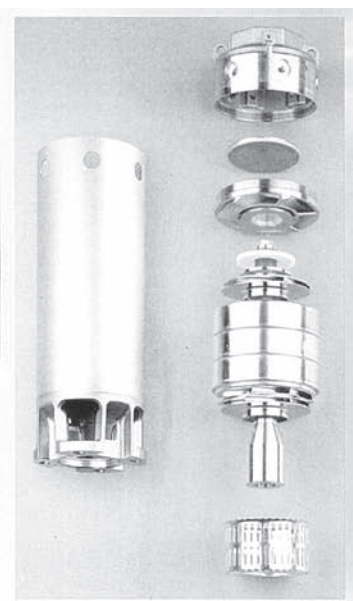
PART DESCRIPTION	TYPE	MATERIAL			
		Standard version			
		AISI	DIN/EN	AISI	DIN/EN
Outer case with motor adapter	Stainless steel	316	1.4404	316	1.4404
Discharge head with built-in check valve sealing O-ring	Stainless steel	316	1.4404	316	1.4404
Upper bowl with:	Stainless steel	316	1.4404	316	1.4404
upper bearing bush	Nitrile rubber (NBR)				
upper journal sleeve	Stainless steel w/ ceramic coating	329	1.4460	329	1.4460
Pump shaft	Stainless steel	316	1.4401	316	1.4401
Diffuser with	Stainless steel	304	1.4301	316L	1.4404
floating neck ring	Teflon (PTFE)				
secondary bearing bush	Nitrile rubber (NBR)				
secondary journal sleeve	Stainless steel	304	1.4301	316	1.4401
Impeller	Stainless steel	304	1.4301	316	1.4404
Cable guard	Stainless steel	316	1.4401	316	1.4401
Suction strainer	Stainless steel	316	1.4401	316	1.4401
Insert locking outer case	Stainless steel	316	1.4401	316	1.4401
Up-thrust washer	Stainless steel	316	1.4401	316	1.4401
Up-thrust disc	Teflon (PTFE)				
Screw and washer	Stainless steel	316	1.4401	316	1.4401



Radial flow stage

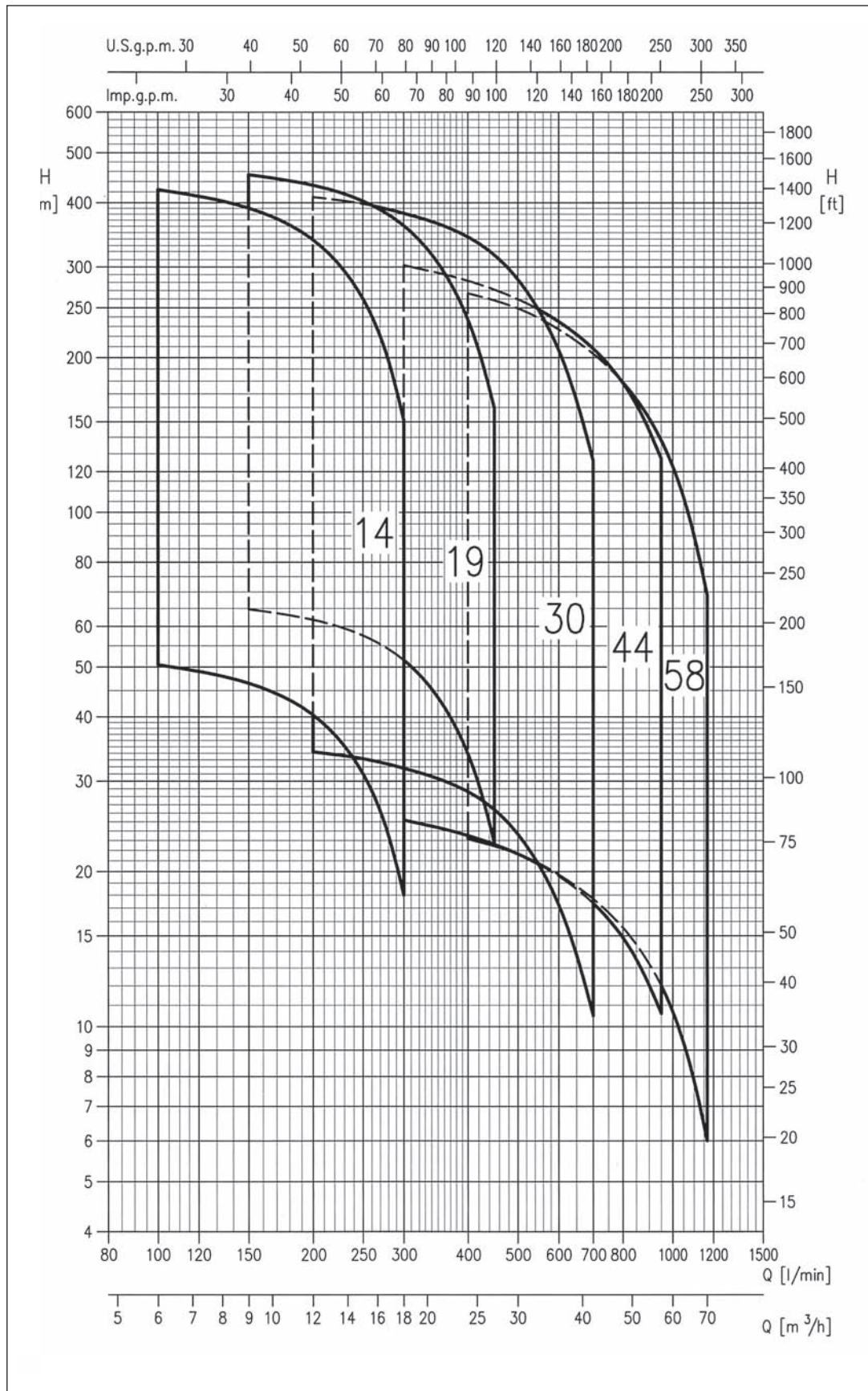


Mixed flow stage





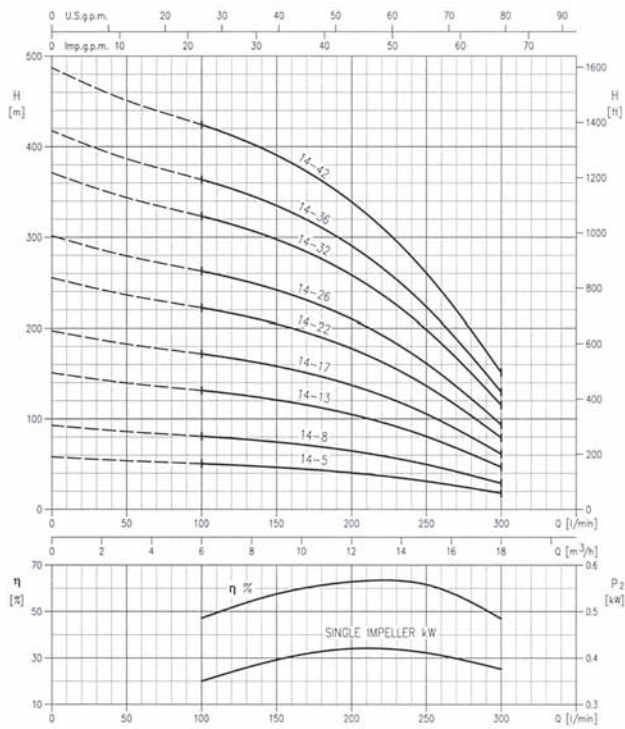
SELECTION CHART



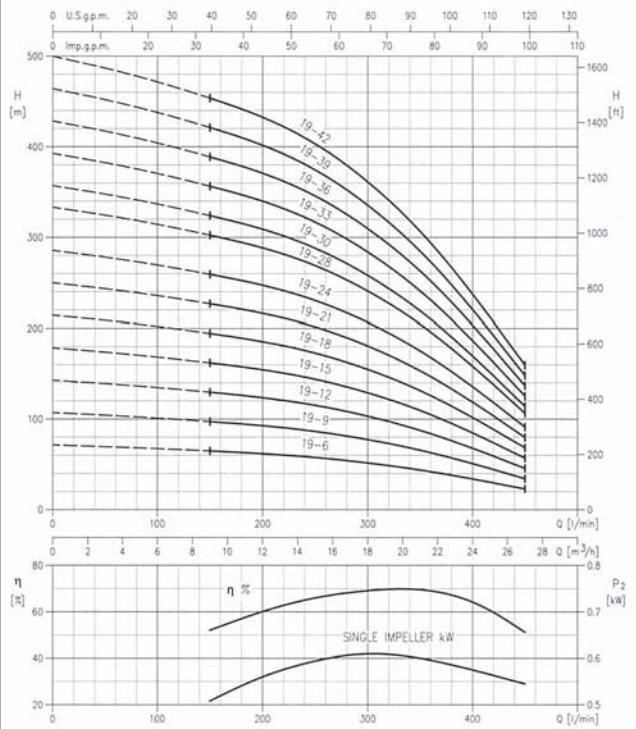


PERFORMANCE CURVE

6 BHE 14



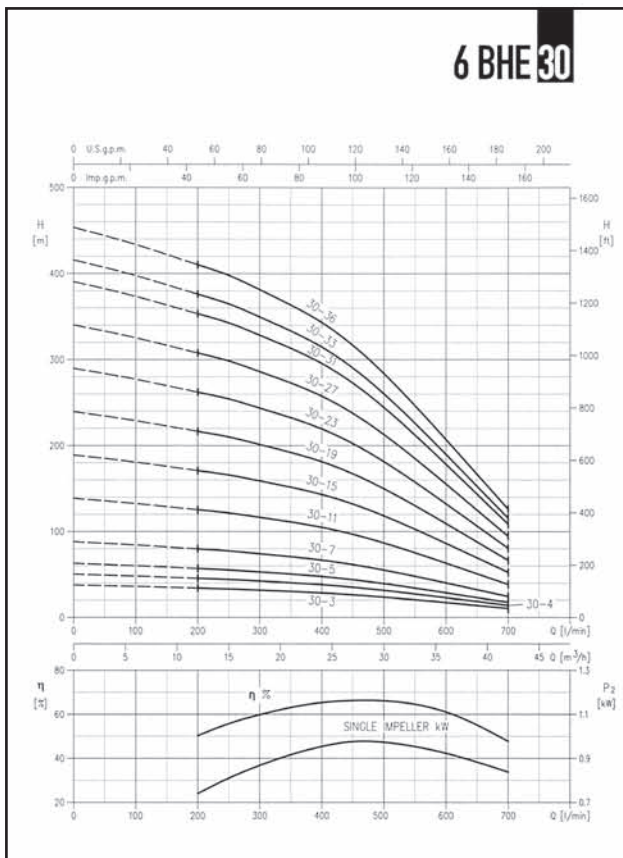
6 BHE 19





PERFORMANCE CURVE

3000min⁻¹



SYMBOLS EXPLANATION:

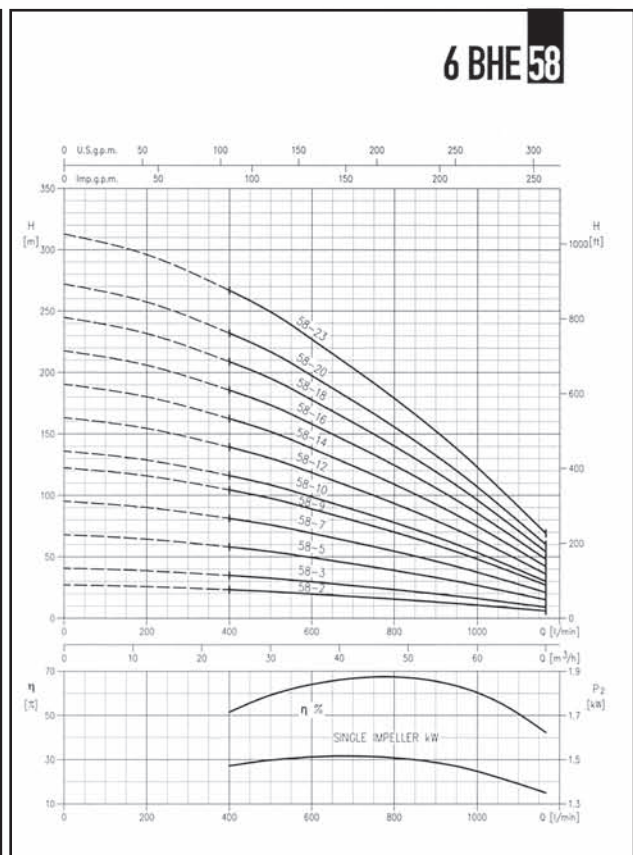
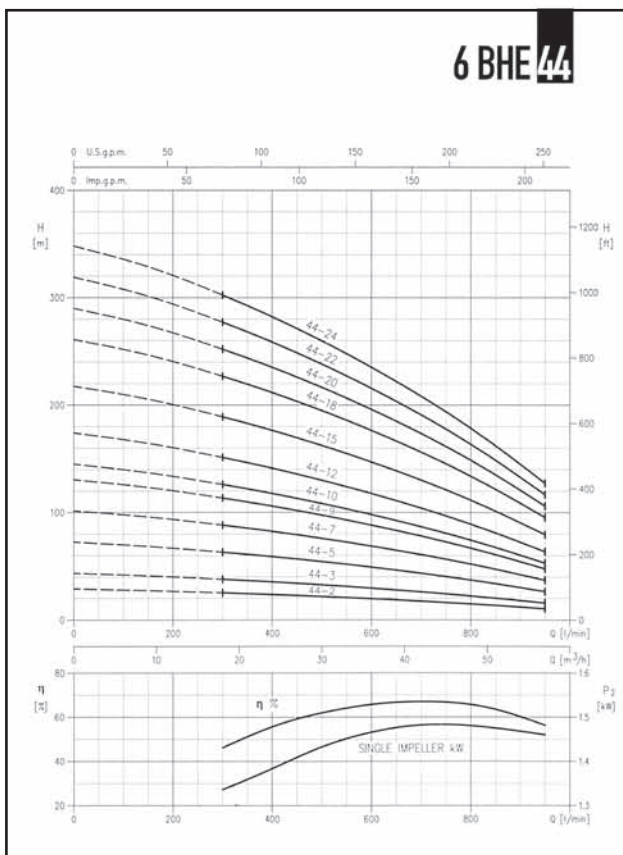
Q = volume flow rate

H = total head

P_2 = pump power input (shaft power)

η = pump efficiency

Tolerances according to ISO 9906 Annex A

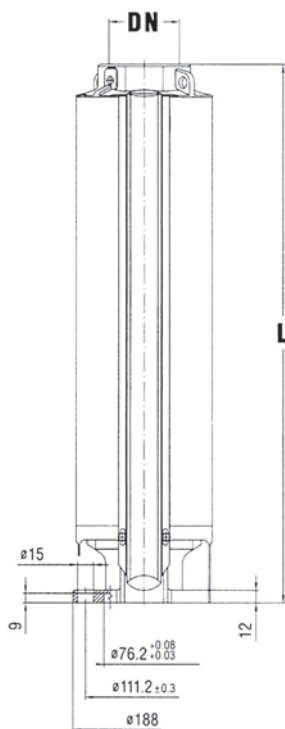


PERFORMANCE CURVE

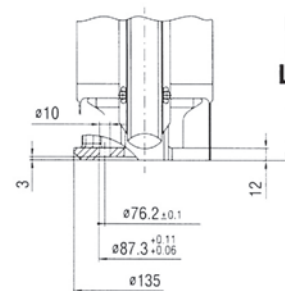
Pump type	Motor		Power HP	Dimensions L		Weight kg
	Size	kW		(mm)	DN	
64 BHE 14 - 5	4"	2.2	3	356	Rp 2 ¹ / ₂	10.5
64 BHE 14 - 8	4"	4	5.5	446	Rp 2 ¹ / ₂	13.0
6 BHE 14 - 8	6"	4	5.5	446	Rp 2 ¹ / ₂	13.0
64 BHE 14 - 13	4"	5.5	7.5	596	Rp 2 ¹ / ₂	16.5
6 BHE 14 - 13	6"	5.5	7.5	596	Rp 2 ¹ / ₂	16.5
6 BHE 14 - 17	6"	7.5	10	716	Rp 2 ¹ / ₂	19.5
6 BHE 14 - 22	6"	9.2	12.5	866	Rp 2 ¹ / ₂	23.0
6 BHE 14 - 26	6"	11	15	986	Rp 2 ¹ / ₂	26.0
6 BHE 14 - 32	6"	15	20	1166	Rp 2 ¹ / ₂	30.5
6 BHE 14 - 36	6"	15	20	1286	Rp 2 ¹ / ₂	33.5
6 BHE 14 - 42	6"	18.5	25	1466	Rp 2 ¹ / ₂	38.0
64 BHE 19 - 6	4"	4	5.5	431	Rp 2 ¹ / ₂	12.0
6 BHE 19 - 6	6"	4	5.5	431	Rp 2 ¹ / ₂	12.0
64 BHE 19 - 9	4"	5.5	7.5	543.5	Rp 2 ¹ / ₂	14.5
6 BHE 19 - 9	6"	5.5	7.5	543.5	Rp 2 ¹ / ₂	14.5
6 BHE 19 - 12	6"	7.5	10	656	Rp 2 ¹ / ₂	16.5
6 BHE 19 - 15	6"	9.2	12.5	768.5	Rp 2 ¹ / ₂	19.0
6 BHE 19 - 18	6"	11	15	881	Rp 2 ¹ / ₂	21.5
6 BHE 19 - 21	6"	15	20	993.5	Rp 2 ¹ / ₂	24.0
6 BHE 19 - 24	6"	15	20	1106	Rp 2 ¹ / ₂	26.5
6 BHE 19 - 28	6"	18.5	25	1256	Rp 2 ¹ / ₂	30.0
6 BHE 19 - 30	6"	18.5	25	1331	Rp 2 ¹ / ₂	31.5
6 BHE 19 - 33	6"	22	30	1443.5	Rp 2 ¹ / ₂	34.0
6 BHE 19 - 36	6"	22	30	1556	Rp 2 ¹ / ₂	36.5
6 BHE 19 - 39	6"	30	40	1668	Rp 2 ¹ / ₂	39.0
6 BHE 19 - 42	6"	30	40	1853	Rp 2 ¹ / ₂	42.0
64 BHE 30 - 3	4"	3	4	365.5	Rp 3"	10.5
64 BHE 30 - 4	4"	4	5.5	412	Rp 3"	11.5
6 BHE 30 - 4	6"	4	5.5	412	Rp 3"	11.5
64 BHE 30 - 5	4"	5.5	7.5	458.5	Rp 3"	12.5
6 BHE 30 - 5	6"	5.5	7.5	458.5	Rp 3"	12.5
6 BHE 30 - 7	6"	7.5	10	551.5	Rp 3"	14.5
6 BHE 30 - 11	6"	11	15	737.5	Rp 3"	18.5
6 BHE 30 - 15	6"	15	20	923.5	Rp 3"	22.5
6 BHE 30 - 19	6"	18.5	25	1109.5	Rp 3"	26.0
6 BHE 30 - 23	6"	22	30	1295.5	Rp 3"	30.0
6 BHE 30 - 27	6"	30	40	1481.5	Rp 3"	34.0
6 BHE 30 - 31	6"	30	40	1667.5	Rp 3"	38.0
6 BHE 30 - 33	6"	37	50	1760	Rp 3"	40.0
6 BHE 30 - 36	6"	37	50	1899.5	Rp 3"	43.0
64 BHE 44 - 2	4"	3	4	365.5	Rp 3"	11.0
64 BHE 44 - 3	4"	5.5	7.5	458.5	Rp 3"	13.5
6 BHE 44 - 3	6"	5.5	7.5	458.5	Rp 3"	13.5
6 BHE 44 - 5	6"	7.5	10	644.5	Rp 3"	18.0
6 BHE 44 - 7	6"	11	15	830.5	Rp 3"	22.5
6 BHE 44 - 9	6"	15	20	1016.5	Rp 3"	27.0
6 BHE 44 - 10	6"	15	20	1109.5	Rp 3"	29.5
6 BHE 44 - 12	6"	18.5	25	1295.5	Rp 3"	34.0
6 BHE 44 - 15	6"	22	30	1574.5	Rp 3"	40.5
6 BHE 44 - 18	6"	30	40	1853.5	Rp 3"	47.5
6 BHE 44 - 20	6"	30	40	2039.5	Rp 3"	52.0
6 BHE 44 - 22	6"	37	50	2225.5	Rp 3"	56.5
6 BHE 44 - 24	6"	37	50	2411	Rp 3"	61.0
64 BHE 58 - 2	4"	3	4	365.5	Rp 3"	11.5
64 BHE 58 - 3	4"	4	5.5	458.5	Rp 3"	13.5
6 BHE 58 - 3	6"	4	5.5	458.5	Rp 3"	13.5
6 BHE 58 - 5		5.5	7.5	644.5	Rp 3"	18.0
6 BHE 58 - 7		7.5	10	830.5	Rp 3"	23.0
6 BHE 58 - 9		11	15	1016.5	Rp 3"	27.5
6 BHE 58 - 10		15	20	1109.5	Rp 3"	30.0
6 BHE 58 - 12	6"	18.5	25	1295.5	Rp 3"	34.5
6 BHE 58 - 14		22	30	1481.5	Rp 3"	39.0
6 BHE 58 - 16		30	40	1667.5	Rp 3"	44.0
6 BHE 58 - 18		30	40	1853.5	Rp 3"	48.5
6 BHE 58 - 20		37	50	2040	Rp 3"	52.0
6 BHE 58 - 23		37	50	2318	Rp 3"	60.0

Dimensions

6" Motor adapter



4" Motor adapter



	Diameter with 1 cable cover	Diameter with 2 cable cover	External motor diameter
Pump 6"	141	145	-
Pump 6" with motor 4"	141	-	95.25
Pump 6" with motor 6"	144	146.5	136.5