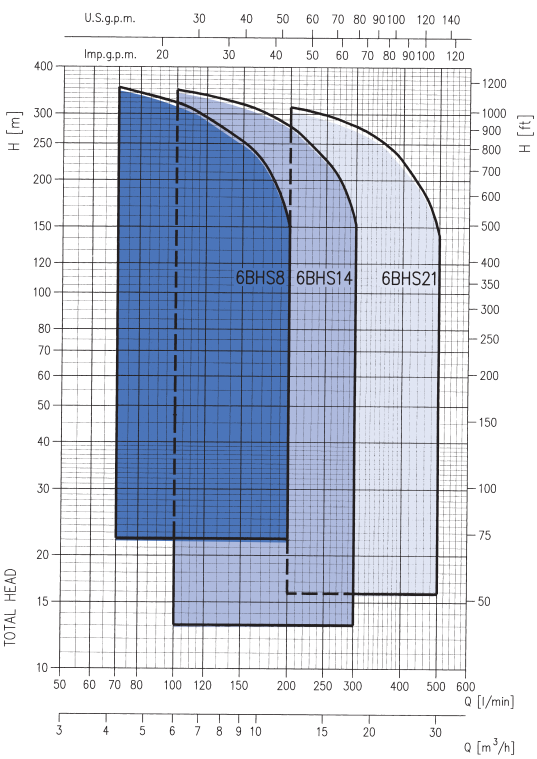
EBARA

6” SUBMERSIBLE DEEP WELL PUMPS in AISI 304 — 6 BHS

6 BHS



APPLICATIONS

- Water feeding plants for domestic, industrial and farming applications
- Building pressurisation plants
- Fire fighting systems
- Irrigation
- Washing
- Movement of clean and moderately aggressive water

MATERIALS

- Botton bracket: **AISI 304 Micro-casting Stainless Steel**
- Coupling, impellers, stages diffuser, check valve, tie-rod, cable guard and fixing: AISI 304 Stainless Steel
- Discharge casing: **AISI 304 Micro-casting Stainless Steel**
- Shaft: **AISI 316 Stainless Steel**
- Bearing: **Tungsten Carbide**
- Liner ring: **AISI 304 Stainless Steel + EPDM**
- Stages OR: **NBR**
- Friction ring: **Tungsten Carbide**
- Strainer: **AISI 304 Stainless Steel**
- Check Valve OR: **EPDM**

SPECIFICATIONS

- Maximum liquid temperature : 30°C
- Maximum sand content : 50 ppm

TECHNICAL DATA

PUMP

- Capacity : up to 30 m³/h
- Head : up to 350m
- Max Liquid Temperature : 30°C
- Max immersion : 100 m for pump with motor in coolant liquid bath
  350 m for pump with motor in water bath
- Standard version : Single cable / Direct on line starting (DOL)
- On demand : Double cable / Star / delta starting

MOTOR

- THREE PHASE : 400V
  Direct on line starting up to 5.5 kW suggested
  Soft starting over 5.5 kW suggested
  Motors with star / delta starting are available over 5.5 kW on demand
  50 Hz 2 pole IP 58 insulation class F
  Overload protection to be provided by the user
- Cable supplied : 4m
- Max starts per hour recommended
  20 (motor 6" in water bath)
  15 (motor 6" in coolant liquid bath)
  20 (motor 4" in water bath)
  30 (motor 6" in coolant liquid bath)

PERFORMANCE TABLE

Pump Type 6BHS	kW	Q=Capacity l/min	70	100	150	200	250	300	375	450	500
		m³/h	4,2	6,0	9,0	12,0	15,0	18	22,5	27,0	30
		H=Total head									
6BHS8 5/15	1,5		51,9	47,2	37,3	22,2	-	-	-	-	-
6BHS8 7/22	2,2		72,6	66,1	52,2	31	-	-	-	-	-
6BHS8 10/30	3,0		104	94,4	74,5	44,3	-	-	-	-	-
6BHS8 13/40	4,0		135	123	96,9	57,6	-	-	-	-	-
6BHS8 15/55	5,5		156	142	112	66,5	-	-	-	-	-
6BHS8 18/55	5,5		187	170	134	79,7	-	-	-	-	-
6BHS8 21/75	7,5		218	198	157	93	-	-	-	-	-
6BHS8 25/75	7,5		259	236	186	111	-	-	-	-	-
6BHS8 29/92	9,2		301	274	216	129	-	-	-	-	-
6BHS8 34/110	11		353	321	253	151	-	-	-	-	-
6BHS14 3/15	1,5		-	29,7	27,2	23,9	19,4	13,1	-	-	-
6BHS14 5/22	2,2		-	49,6	45,4	39,8	32,3	21,8	-	-	-
6BHS14 7/30	3,0		-	69,4	63,6	55,7	45,2	30,5	-	-	-
6BHS14 9/40	4,0		-	89,2	91,7	71,6	58,1	39,2	-	-	-
6BHS14 13/55	5,5		-	129	118	103	93,9	56,6	-	-	-
6BHS14 15/75	7,5		-	149	136	119	96,8	65,3	-	-	-
6BHS14 18/75	7,5		-	178	163	143	116	78,3	-	-	-
6BHS14 22/92	9,2		-	218	200	175	142	95,7	-	-	-
6BHS14 26/110	11		-	258	236	207	168	113	-	-	-
6BHS14 31/150	15		-	307	282	247	200	135	-	-	-
6BHS14 35/150	15		-	347	318	278	226	152	-	-	-
6BHS21 4/30	3,0		-	-	-	34,7	33,1	30,9	26,8	20,9	15,9
6BHS21 6/40	4,0		-	-	-	52,1	49,6	46,4	40,2	31,4	23,8
6BHS21 8/55	5,5		-	-	-	69,4	66,2	61,9	53,5	41,9	31,7
6BHS21 12/75	7,5		-	-	-	104	99,2	92,8	80,3	62,8	47,6
6BHS21 15/92	9,2		-	-	-	130	124	116	100	78,6	59,4
6BHS21 17/110	11		-	-	-	148	141	132	114	89	67,4
6BHS21 22/150	15		-	-	-	191	182	170	147	115	87,2
6BHS21 25/150	15		-	-	-	217	207	193	167	131	99,1
6BHS21 29/185	18,5		-	-	-	252	240	224	194	152	115
6BHS21 34/220	22		-	-	-	295	281	263	228	178	135
6BHS21 36/220	22		-	-	-	313	298	278	241	189	143