

4BHS



4" borehole centrifugal pumps completely in AISI 304 (hydraulic only)

Reliable, sturdy to corrosion, and high efficiency thanks to smooth surface of impeller and diffuser. Suitable for domestic water, irrigation for agriculture and industrial application, firefighting and boosters, car washing and clean water handling. 4" motor connection as NEMA standards.



Low noise



Practical and easy to use



Sturdy design, corrosion resistant

Materials

External casing	AISI 304
Impeller	AISI 304
Shaft	AISI 316
Discharge casing	AISI 304
Motor connection	AISI 304

Technical data

Max. immersion	350 m water filled motor 150 m oil filled motor
Max. temperature of the liquid	30°C
Max. sand content	50 ppm
Poles	2
Insulation class	B (water filled motor) F (oil filled motor)
Protection degree	IP 58 (OY), IP 68 (WY)
Voltage	Single phase 230V (±10%) OYM Three phase 380-415V (±10%) OY Single phase 230V (-10%+6%) WYM Three phase 380-415V (-10%+6%) WY

Accessories



Cables
Page 381 - Quadripolar cables



Capacitors
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Floats
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Control panels and Control systems
Page 366 - **Presscomfort**
Pressure regulator
Page 364 - **E-power**
Variable speed control systems
Page 362 - **E-drive**
Variable speed control systems
Page 366 - **Control panels**
Q - 1EP-E - QA50/B - QA60/C - SMART

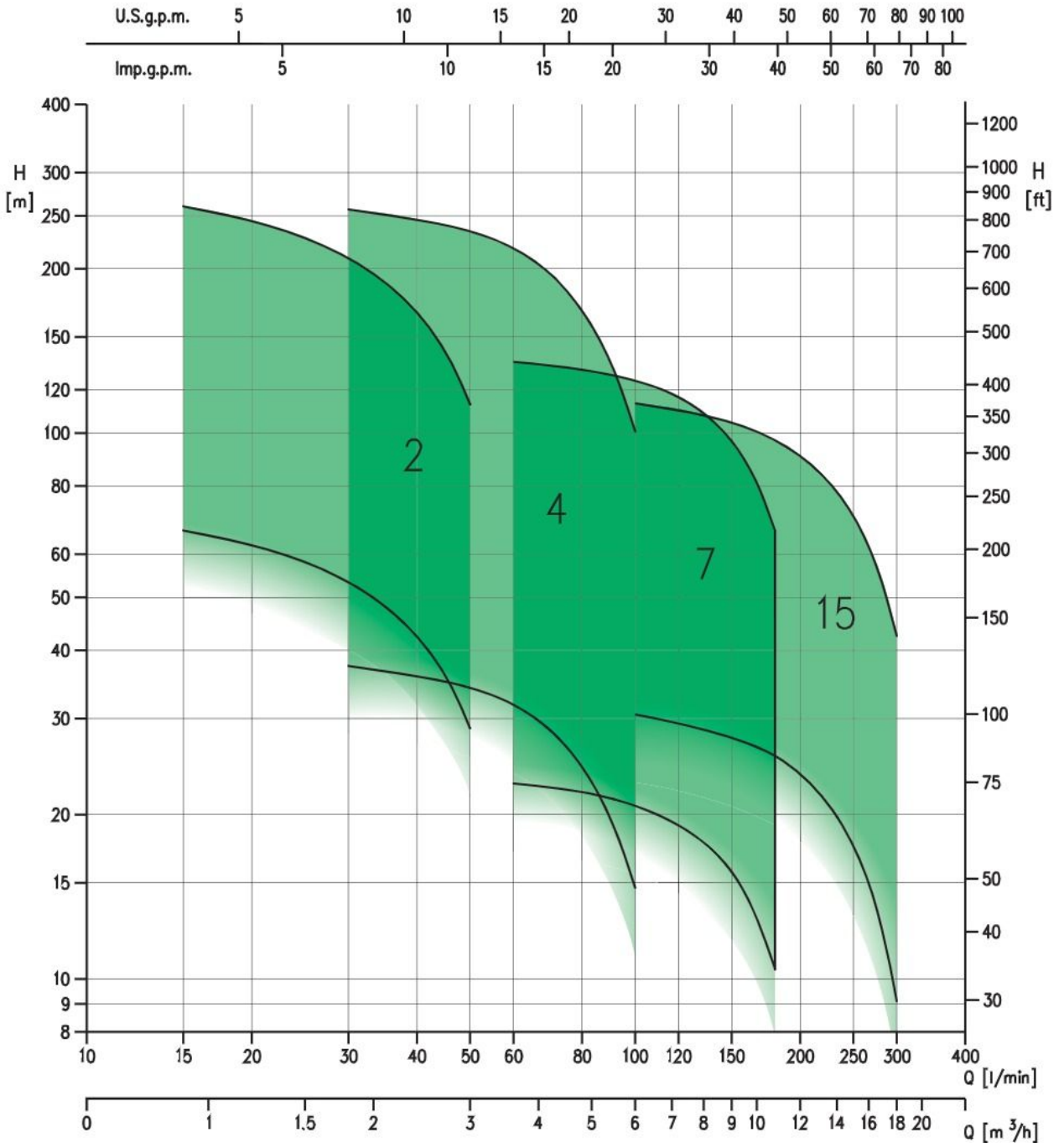


Cooling sleeve
Page 382 - Cooling sleeve for 4" borehole pumps

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Performance table

Model	HP	kW	Q=Flow rate														
			l/min m³/h	15 0,9	20 1,2	30 1,8	40 2,4	50 3	60 3,6	80 4,8	100 6	120 7,2	150 9	180 10,8	220 13,2	260 15,6	300 18
			H=Total head [m]														
4BHS/A 2-13	0,75	0,55		66,5	62,5	53,5	42,5	28,6	-	-	-	-	-	-	-	-	
4BHS/A 2-18	1	0,75		92,0	86,0	74,0	58,5	39,6	-	-	-	-	-	-	-	-	
4BHS/A 2-27	1,5	1,1		138,0	129,0	111,0	88,0	59,5	-	-	-	-	-	-	-	-	
4BHS/A 2-36	2	1,5		184,0	172,0	148,0	117,0	79,0	-	-	-	-	-	-	-	-	
4BHS/A 2-44	3	2,2		224,0	211,0	180,0	143,0	97,0	-	-	-	-	-	-	-	-	
4BHS/A 2-51	3	2,2		260,0	244,0	209,0	166,0	112,0	-	-	-	-	-	-	-	-	
4BHS/A 4-7	0,75	0,55		-	-	37,5	35,8	34,2	31,8	24,4	14,7	-	-	-	-	-	
4BHS/A 4-10	1	0,75		-	-	53,5	51,0	49,0	45,5	34,9	21,0	-	-	-	-	-	
4BHS/A 4-15	1,5	1,1		-	-	80,5	77,0	73,0	68,0	52,5	31,5	-	-	-	-	-	
4BHS/A 4-20	2	1,5		-	-	107,0	102,0	97,5	91,0	70,0	42,0	-	-	-	-	-	
4BHS/A 4-24	3	2,2		-	-	128,0	123,0	117,0	109,0	84,0	50,5	-	-	-	-	-	
4BHS/A 4-29	3	2,2		-	-	155,0	148,0	142,0	132,0	101,0	61,0	-	-	-	-	-	
4BHS/A 4-36	4	3		-	-	193,0	184,0	176,0	163,0	126,0	75,5	-	-	-	-	-	
4BHS/A 4-48	5,5	4		-	-	257,0	246,0	234,0	218,0	168,0	101,0	-	-	-	-	-	
4BHS/A 7-4	1	0,75		-	-	-	-	-	22,8	22,0	20,8	19,1	15,7	10,4	-	-	
4BHS/A 7-7	1,5	1,1		-	-	-	-	-	39,9	38,5	36,3	33,5	27,5	18,2	-	-	
4BHS/A 7-10	2	1,5		-	-	-	-	-	57,0	55,0	52,0	48,0	39,3	26,0	-	-	
4BHS/A 7-12	3	2,2		-	-	-	-	-	68,5	66,0	62,5	57,5	47,0	31,3	-	-	
4BHS/A 7-14	3	2,2		-	-	-	-	-	80,0	77,0	72,5	67,0	55,0	36,5	-	-	
4BHS/A 7-18	4	3		-	-	-	-	-	106,0	102,0	97,5	91,0	75,5	52,0	-	-	
4BHS/A 7-23	5,5	4		-	-	-	-	-	135,0	131,0	125,0	116,0	96,5	66,0	-	-	
4BHS/A 15-7 *	2	1,5		-	-	-	-	-	-	-	30,5	29,3	27,7	25,6	21,5	16,0	9,1
4BHS/A 15-10 *	3	2,2		-	-	-	-	-	-	-	43,5	42,0	39,5	36,6	30,7	22,9	13,0
4BHS/A 15-13 *	4	3		-	-	-	-	-	-	-	59,0	57,5	54,5	50,5	43,5	34,1	22,1
4BHS/A 15-17 *	5,5	4		-	-	-	-	-	-	-	77,0	75,0	71,0	66,0	57,0	44,5	28,9
4BHS/A 15-25 *	7,5	5,5		-	-	-	-	-	-	-	114,0	110,0	105,0	97,0	83,5	65,5	42,5

* Models that do not comply with EuP Directive and their sale in EU is restricted exclusively to the kit for fire-fighting units.

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4" borehole centrifugal pumps completely in AISI 304 (hydraulic only)

2 Poles									
Model	Code	HP	kW	DNM	Weight [kg]	Suitable motor for coupling			
						Oil filled OY		Water filled WY	
						1~	3~	1~	3~
4BHS/A 2-13	3501031013A	0,75	0,55	G1¼	6,6	1509070000	1509070004	1505090000	1505090004
4BHS/A 2-18	3501051018A	1	0,75	G1¼	8,3	1509100000	1509100004	1505100000	1505100004
4BHS/A 2-27	3501071027A	1,5	1,1	G1¼	11,0	1509110000	1509150004	1505150000	1505150004
4BHS/A 2-36	3501081036A	2	1,5	G1¼	13,8	1509150000	1509200004	1505200000	1505200004
4BHS/A 2-44	3501101044A	3	2,2	G1¼	16,5	1509220100	1509300004	1505300000	1505300004
4BHS/A 2-51	3501101051A	3	2,2	G1¼	18,7	1509220100	1509300004	1505300000	1505300004
4BHS/A 4-7	3502031007A	0,75	0,55	G1½	4,4	1509070000	1509070004	1505090000	1505090004
4BHS/A 4-10	3502051010A	1	0,75	G1½	5,5	1509100000	1509100004	1505100000	1505100004
4BHS/A 4-15	3502071015A	1,5	1,1	G1½	7,2	1509110000	1509150004	1505150000	1505150004
4BHS/A 4-20	3502081020A	2	1,5	G1½	8,3	1509150000	1509200004	1505200000	1505200004
4BHS/A 4-24	3502101024A	3	2,2	G1½	9,9	1509220100	1509300004	1505300000	1505300004
4BHS/A 4-29	3502101029A	3	2,2	G1½	11,5	1509220100	1509300004	1505300000	1505300004
4BHS/A 4-36	3502111036A	4	3	G1½	14,3	-	1509400004	-	1505400004
4BHS/A 4-48	3502121048A	5,5	4	G1½	17,6	-	1509550004	-	1505550004
4BHS/A 7-4	3503051004A	1	0,75	G2	4,2	1509100000	1509100004	1505100000	1505100004
4BHS/A 7-7	3503071007A	1,5	1,1	G2	5,0	1509110000	1509150004	1505150000	1505150004
4BHS/A 7-10	3503081010A	2	1,5	G2	6,6	1509150000	1509200004	1505200000	1505200004
4BHS/A 7-12	3503101012A	3	2,2	G2	7,7	1509220100	1509300004	1505300000	1505300004
4BHS/A 7-14	3503101014A	3	2,2	G2	8,3	1509220100	1509300004	1505300000	1505300004
4BHS/A 7-18	3503111018A	4	3	G2	9,9	-	1509400004	-	1505400004
4BHS/A 7-23	3503121023A	5,5	4	G2	11,5	-	1509550004	-	1505550004
4BHS/A 15-7 *	3504081007A	2	1,5	G2	5,8	1509150000	1509200004	1508202000	1508202004
4BHS/A 15-10 *	3504101010A	3	2,2	G2	7,3	1509220100	1509300004	1508302000	1508302004
4BHS/A 15-13 *	3504111013A	4	3	G2	8,7	-	1509400004	-	1508402004
4BHS/A 15-17 *	3504121017A	5,5	4	G2	10,7	-	1509550004	-	1508552004
4BHS/A 15-25 *	3504131025A	7,5	5,5	G2	14,4	-	150750004	-	1508752004

OY: oil filled motor - WY: water filled motor