

Technical data

Pump name

4BHS4 15

Customer	Date	2024-06-12	Company
Contact	Item no.		Issued by
Phone	Project		Phone
E-mail	Project ID	Proiect redenumit 2024-06-12 12:10:37	E-mail

Requested data

1	Pump type	SUBMERSIBLE MULTISTAGE PUMPS	Fluid	Water
2	Number of pumps / Reserve	1 / 0	Liquid temperature	°C
3	Flow	m³/h	Kin. viscosity	mm²/s
4	Head	m	Vapour pressure	bar
5	Geodetic head	m	PH value	
6	Inlet pressure (pin)	bar	Density	kg/m³
7	Available system NPSH		Solids	Weight %
8	Ambient temperature	°C		

Pump

9	Pump name	4BHS4 15	Frequency	Hz	50
10	Design	SUBMERSIBLE MULTISTAGE PUMPS	Installation type		STANDARD
11	Manufacturer	EBARA	Impeller Diameter	Max.	mm
12	Speed	rpm		Designed	mm
13	No. of Stage	15		Min.	mm
14	Connection	Suction side	Flow	Operating	m³/h
15	Connection	Discharge side		Max-	m³/h
16	Max Working Pressure	bar		Min-	m³/h
17	Shut-off head	bar	Head	Operating	m
18	Total weight	kg		- (Qmax.)	m
19	Shaft power	kW		- (Qmin.)	m
20			Max. Shaft Power at max. impeller	kW	
21	Required pump NPSH	m	Efficiency	%	

Materials

22	Impeller	AISI 304		
23	Intermediate casing	AISI 304		
24	Shaft	AISI 316		
25				
26				
27				

Motor

28	Manufacturer	without motor	Insulation class	
29	Type	without motor 3	Phases	
30	Specific design	without motor / 50 Hz / Pole pairs 1	Frame size	
31	Rated power	kW	Weight	kg
32	Number of poles	2	Electric voltage	V
33	Speed	rpm	Electric current	A
34	Degree of protection			
35				

Remarks

Performance curve

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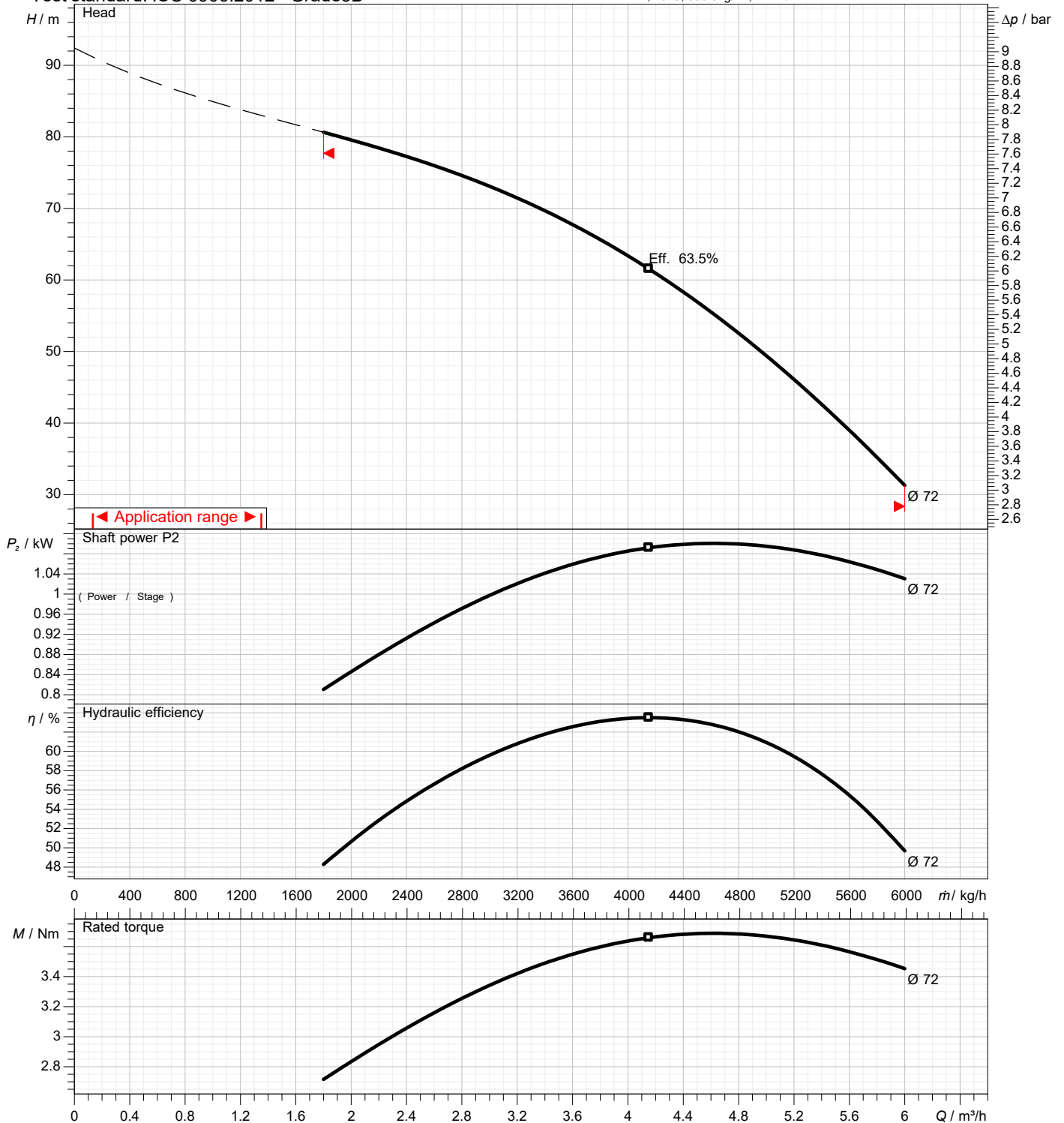
Requested data

1	Flow	m³/h		Operating flow	m³/h		Frequency	Hz	50	
2	Head	m		Operating head	m		Number of poles		2	
3	Geodetic head	m		Impeller Diameter	Designed	mm	72	Speed	rpm	2850

Pump

Test standard: ISO 9906:2012 - Grade3B

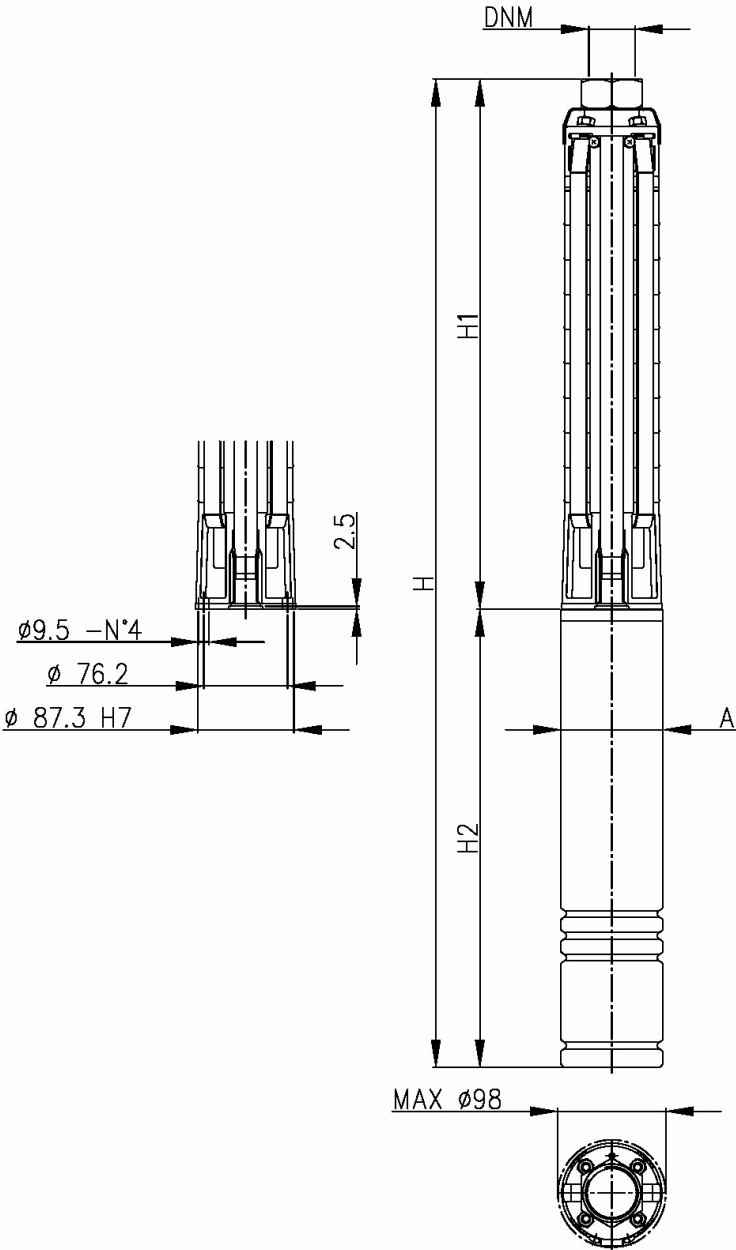
Water; 20°C; 998.3kg/m³; 1mm²/s



Dimensions

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Dimensions in mm							
1	DNM	G 1 1/2					
2	H1	536					
3	Weight P&M	---					
4	Weight PUMP	6,8 kg					
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							

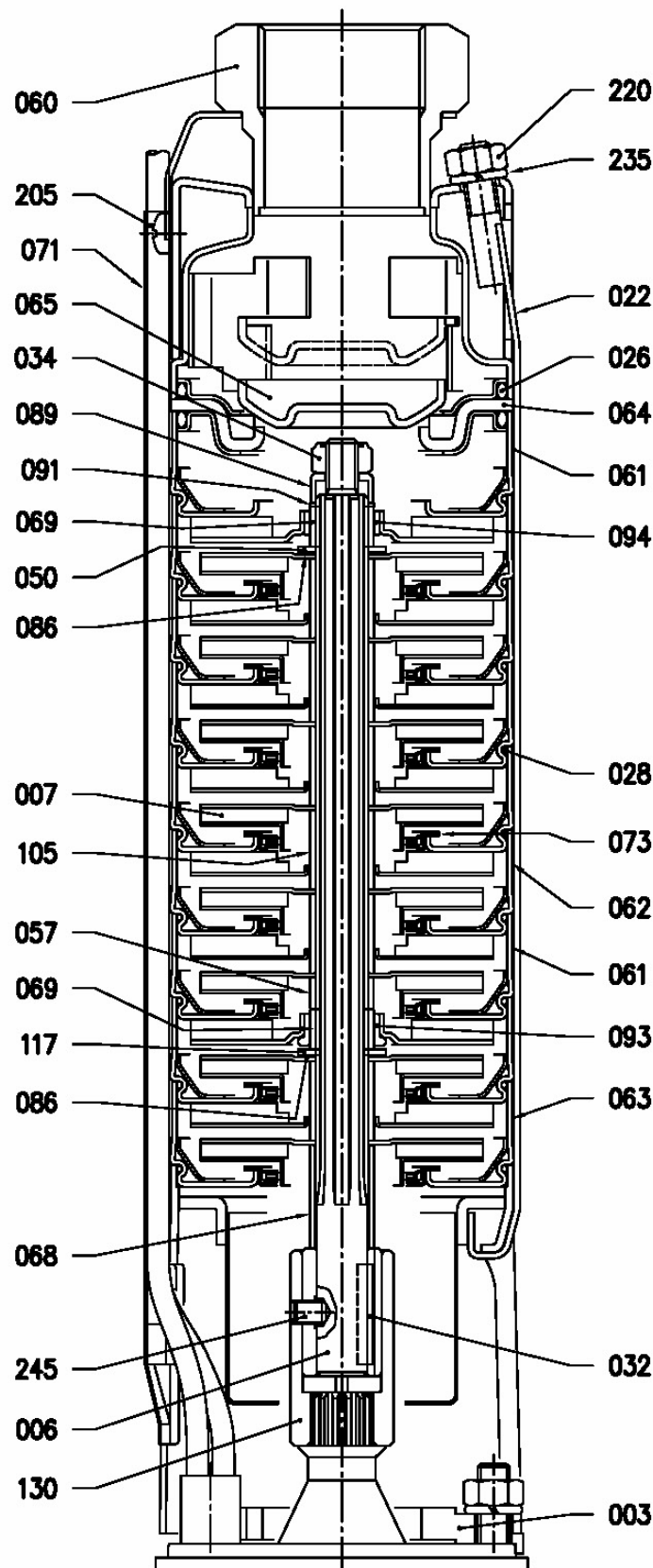
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Construction

Pump name

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Construction

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Nº	PART.NAME	MATERIAL	DIMENSIONS	Q.TY
003	Bracket	EN 1.4301 (AISI 304)		1
006	Pump shaft	EN 1.4401 (AISI 316)		1
007	Impeller	EN 1.4301 (AISI 304)		[*]
022	Strap	EN 1.4301 (AISI 304)		4
026	"O" ring	NBR	3 x 74.5	2
028	"O" ring	NBR	1.85 x 78.4	[*]
032	Key	EN 1.4401 (AISI 316)	A 4 x 4 x 25 UNI 6604	1
034	Impeller nut self locking	EN 1.4301 (AISI 304)	M8	1
050	Washer	EN 1.4301 (AISI 304)		[*]
057	Bearing spacer	EN 1.4301 (AISI 304)		[*]
060	Discharge casing	EN 1.4301 (AISI 304)		1
061	Intermediate casing bearing	EN 1.4301 (AISI 304)		[*]
062	Intermediate casing	EN 1.4301 (AISI 304)		[*]
063	Intermediate casing suction	EN 1.4301 (AISI 304)		1
064	Valve seat	EN 1.4301 (AISI 304) + NBR		1
065	Valve	EN 1.4301 (AISI 304)		1
068	Spacer	EN 1.4301 (AISI 304)		1
069	Shaft sleeve	Tungsten carbide		[*]
071	Cable cover	EN 1.4301 (AISI 304)		1
073	Liner ring	EN 1.4301 (AISI 304) + EPDM		[*]
086	Spacer	EN 1.4301 (AISI 304)		[*]
089	Washer	EN 1.4301 (AISI 304)		1
091	Spacer	EN 1.4301 (AISI 304)		[*]
093	Axial bearing	Tungsten carbide		1
094	Radial bearing	Tungsten carbide		[*]
105	Spacer	EN 1.4301 (AISI 304)		[*]
117	Friction ring	Tungsten carbide		1
130	Coupling	EN 1.4301 (AISI 304)		1
205	Screw	EN 1.4301 (AISI 304)	M5 x 6 UNI 7687	2
220	Nut	EN 1.4301 (AISI 304)	M8 UNI 5588	4
235	Washer	EN 1.4301 (AISI 304)	8,4 UNI 1751	4
245	Set screw	EN 1.4301 (AISI 304)	M6 x 8 UNI 5923	1

[*] See CONSTRUCTION 3

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Pump type	Quantity for model											
	N°007	N°028	N°050	N°057	N°061	N°062	N°069	N°073	N°086	N°091	N°094	N°105
4BHS4 7	7	8	/	0	1	6	1	7	1	1	0	6
4BHS4 10	10	11	/	0	1	9	1	10	1	1	0	9
4BHS4 15	15	16	/	0	1	14	1	15	1	1	0	14
4BHS4 20	20	21	1	1	2	18	2	20	2	1	1	18
4BHS4 24	24	25	1	1	2	22	2	24	2	1	1	22
4BHS4 29	29	30	2	2	3	26	3	29	3	1	2	26
4BHS4 36	36	37	2	2	3	33	3	36	3	1	2	33
4BHS4 48	48	49	3	3	4	44	4	48	4	1	3	44