

Technical data

Pump name OYM SB 3-30/0.75

Customer	Date 2025-07-07	Company
Contact	Item no.	Issued by
Phone	Project	Phone
E-mail	Project ID	E-mail

Requested data

1	Pump type	CENTRIFUGAL BOREHOLE PUMPS	Fluid	Water
2	Number of pumps / Reserve	1 / 0	Liquid temperature	°C 20
3	Flow m³/h		Kin. viscosity St	0.01005
4	Head m		Vapour pressure kPa	2.34
5	Geodetic head m		PH value	
6	Inlet pressure (pin) kPa	0	Density kg/m³	998.3
7	Available system NPSH		Solids Weight %	0
8	Ambient temperature °C	20		

Pump

9	Pump name	OYM SB 3-30/0.75	Frequency Hz	50
10	Design	CENTRIFUGAL BOREHOLE PUMPS	Installation type	with EBARA MOTOR OIL
11	Manufacturer	EBARA	Impeller Diameter	Max. mm 0
12	Speed 1/min	2800		Designed mm
13	No. of Stage	30		Min. mm 0
14	Connection Suction side		Flow	Operating m³/h
15	Connection Discharge side	G 1"		Max- m³/h 2.7
16	Max Working Pressure kPa			Min- m³/h 0.6
17	Shut-off head kPa	896.25	Head	Operating m
18	Total weight kg	See the table of "Dimensions".		- (Qmax.) m 19.4
19	Shaft power kW			- (Qmin.) m 82.4
20	Max. fluid temperature °C	40	Max. Shaft Power at max. impeller	kW 0.51
21	Required pump NPSH m		Efficiency	%

Materials

22	Impeller	Noryl GFN2		
23	Intermediate casing	POM-C Polyacetals		
24	Shaft	AISI 430 F		
25				
26				
27				

Motor

28	Manufacturer	EBARA MOTOR	Insulation class	F
29	Type	SB 3-30/0.75 M_230_Single Phase	Phases	1~
30	Specific design	Submersible oil filled type / 50 Hz / Pole pairs 1	Frame size	3"
31	Rated power kW	0.75	Weight kg	6.8
32	Number of poles	2	Electric voltage V	230
33	Speed 1/min	2800	Electric current A	5.85
34	Degree of protection	IP 58		
35				

Remarks

Performance curve

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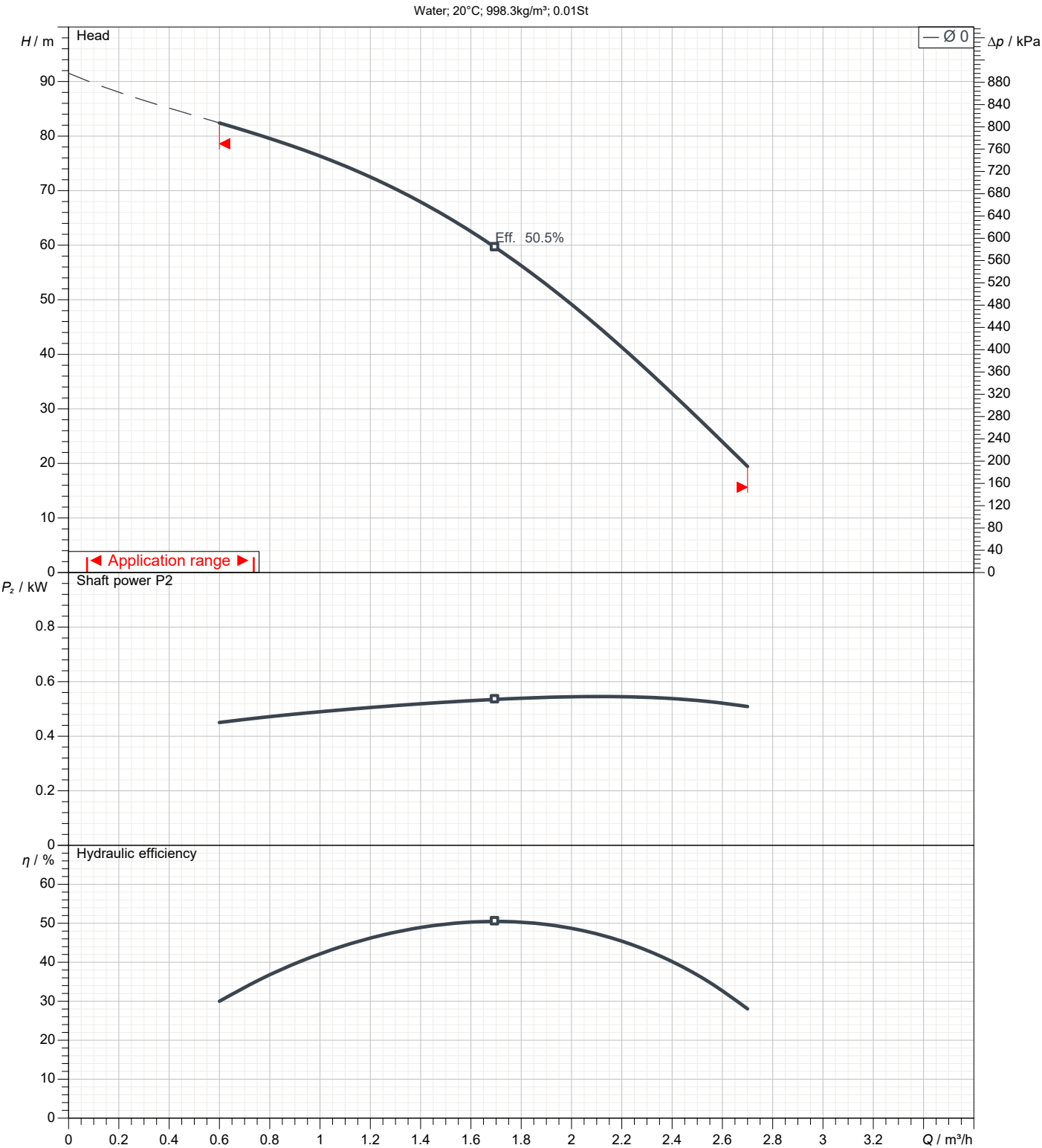
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1	Flow	m³/h	
2	Head	m	
3	Geodetic head	m	

Pump

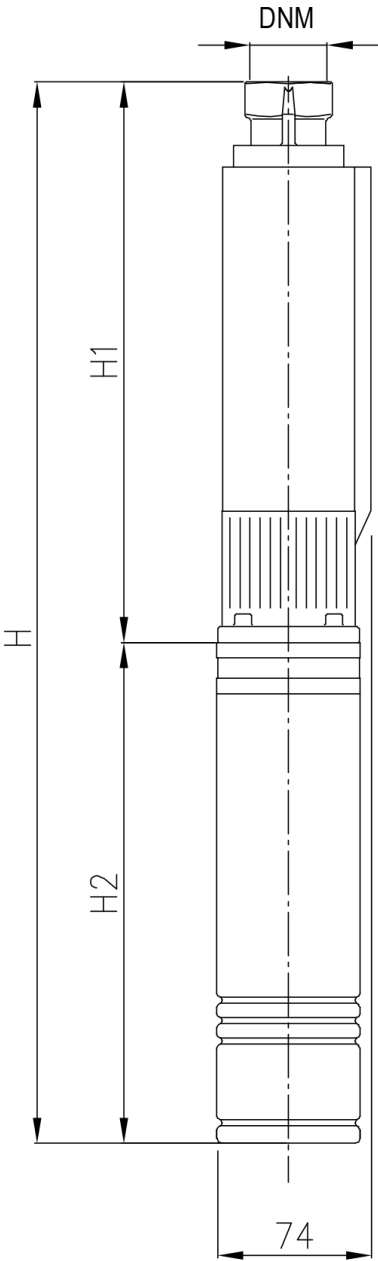
Operating flow	m³/h		Impeller Diameter Designed	mm	
Operating head	m		Frequency	Hz	50
			Speed	1/min	2800



Dimensions

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Dimensions in mm							
1	DNM	G 1"					
2	H	3					
3	H1	1000					
4	H2	416					
5	Weight P&M	12 kg					
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							

Dimensions

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(2/2)

Construction

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N°	PART NAME	MATERIAL	Q.TY
1	Plug	PVC	1
2	Valve	POM-C Polyacetals	1
3	O-Ring	NBR	1
4	Discharge casing	EN 1.4301 (AISI 304)	1
5	Valve seat	Noryl GFN2	1
6	Bearing seat	Noryl GFN2	1
7	Bearing	PUR Polyurethane	1
8	Screw	EN 1.4301 (AISI 304)	1
9	Washer	EN 1.4301 (AISI 304)	1
10	Washer	EN 1.4401 (AISI 316)	1
11	Bearing	EN 1.4401 (AISI 316)	1
12	Spacer	Noryl GFN2	1
13	Diffuser plate	POM-C Polyacetals	1
14	Diffuser	POM-C Polyacetals	30
15	Washer	EN 1.4301 (AISI 304)	1
16	Impeller	Noryl GFN2	30
17	Diffuser plate	POM-C Polyacetals	30
18	Pump casing	EN 1.4301 (AISI 304)	1
19	Screw	EN 1.4301 (AISI 304)	4
20	Cable cover	EN 1.4016 (AISI 430)	1
21	Suction casing	EN 1.4301 (AISI 304)	1
22	Screw	EN 1.4301 (AISI 304)	2
23	Strainer	EN 1.4016 (AISI 430)	1
24	Shaft	EN 1.4105 (AISI 430F)	1
25	Spacer	Noryl GFN2	1
26	Coupling	EN 1.4401 (AISI 316)	1
27	Washer	EN 1.4401 (AISI 316)	1
28	Screw	EN 1.4301 (AISI 304)	1
29	Diffuser plate	POM-C Polyacetals	1
30	Adjusting ring	EN 1.4301 (AISI 304)	2
31	Spacer	Noryl GFN2	1
32	Sleeve	EN 1.4401 (AISI 316)	1
33	Bearing	PUR Polyurethane	1
34	Bearing seat	Noryl GFN2	1
35	Spacer	Noryl GFN2	1
36	Diffuser plate	POM-C Polyacetals	1
37	Diffuser	POM-C Polyacetals	1