

Technical data

Pump name

OYM 4N15-3/1,56

Customer	Date	2024-07-02	Company
Contact	Item no.		Issued by
Phone	Project		Phone
E-mail	Project ID	Proiect redenumit 2024-07-02 22:34:28	E-mail

Requested data

1	Pump type	SUBMERSIBLE MULTISTAGE PUMPS	Fluid	Water
2	Number of pumps / Reserve	1 / 0	Liquid temperature °C	20
3	Flow m³/h		Kin. viscosity mm²/s	1.005
4	Head m		Vapour pressure bar	0.0234
5	Geodetic head m		PH value	
6	Inlet pressure (pin) bar	0	Density kg/m³	998.3
7	Available system NPSH		Solids Weight %	0
8	Ambient temperature °C	20		

Pump

9	Pump name	OYM 4N15-3/1,56	Frequency Hz	60
10	Design	SUBMERSIBLE MULTISTAGE PUMPS	Installation type	with EBARA MOTOR OIL - three phase
11	Manufacturer	EBARA	Impeller Diameter	Max. mm 78
12	Speed rpm	3450		Designed mm 78
13	No. of Stage	3		Min. mm 78
14	Connection Suction side		Flow	Operating m³/h
15	Connection Discharge side	UNI ISO 228		Max- m³/h 25.2
16	Max Working Pressure bar			Min- m³/h 7.2
17	Shut-off head bar	2.69	Head	Operating m
18	Total weight kg	See the table of "Dimensions".		- (Qmax.) m 7.5
19	Shaft power kW	(Power / Stage)		- (Qmin.) m 25.4
20			Max. Shaft Power at max. impeller kW	1.37 (Power / Stage)
21	Required pump NPSH m		Efficiency %	

Materials

22	Impeller	Glass fibre Reinforced PC		
23	Casing	EN 1.4301 (AISI 304)		
24	Shaft	EN 1.4301 (AISI 304)		
25				
26				
27				

Motor

28	Manufacturer	EBARA MOTOR	Insulation class	F
29	Type	4N15-3/1,56_220_Single Phase	Phases	1~
30	Specific design	Submersible oil filled type / 60 Hz / Pole pairs 1	Frame size	
31	Rated power kW	1.5	Weight kg	12
32	Number of poles	2	Electric voltage V	220
33	Speed rpm	3440	Electric current A	10.5
34	Degree of protection	IP 68		
35				

Remarks

Performance curve

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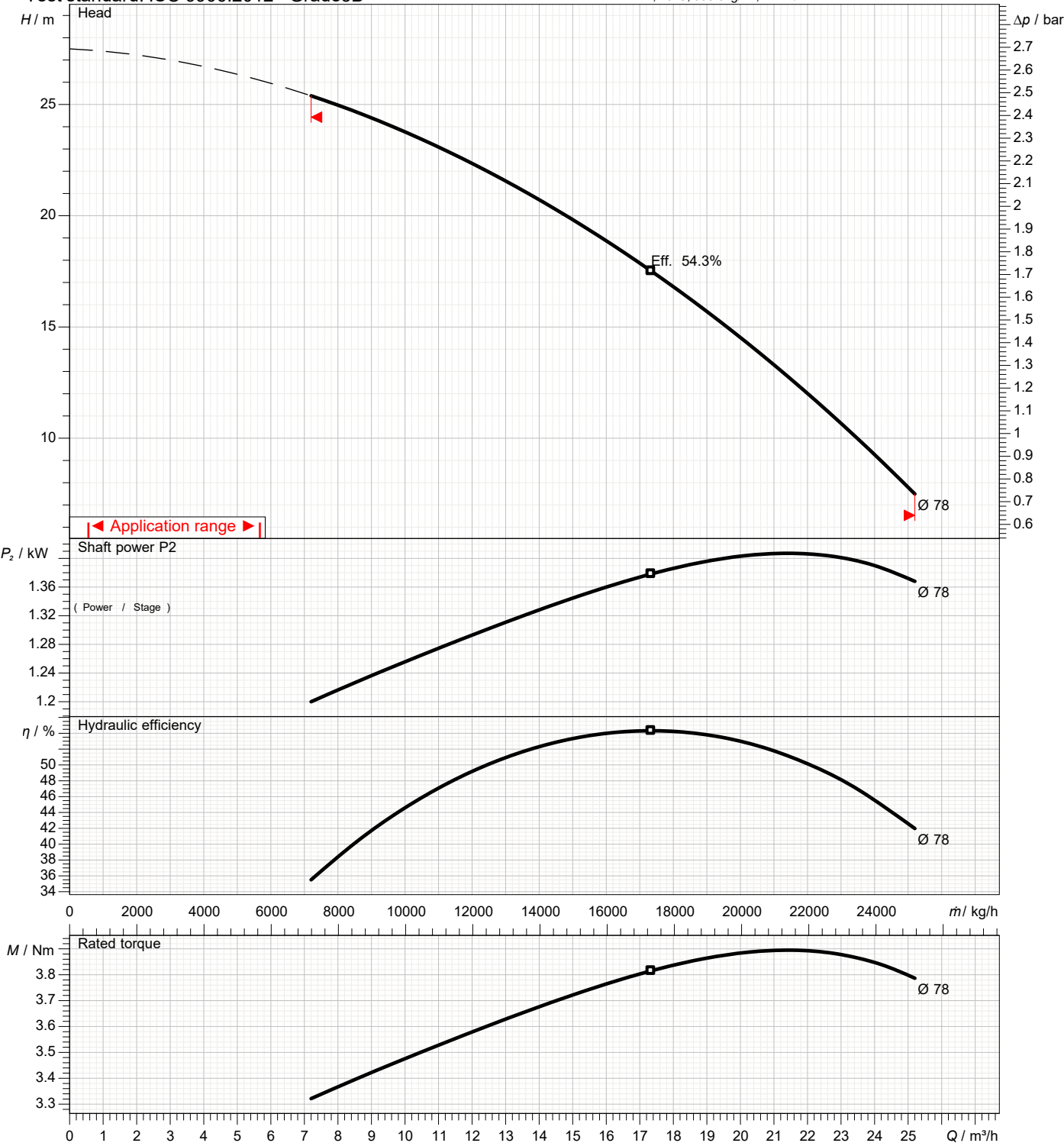
Requested data

1	Flow	m³/h		Operating flow	m³/h		Frequency	Hz	60	
2	Head	m		Operating head	m		Number of poles		2	
3	Geodetic head	m		Impeller Diameter	Designed	mm	78	Speed	rpm	3450

Pump

Test standard: ISO 9906:2012 - Grade3B

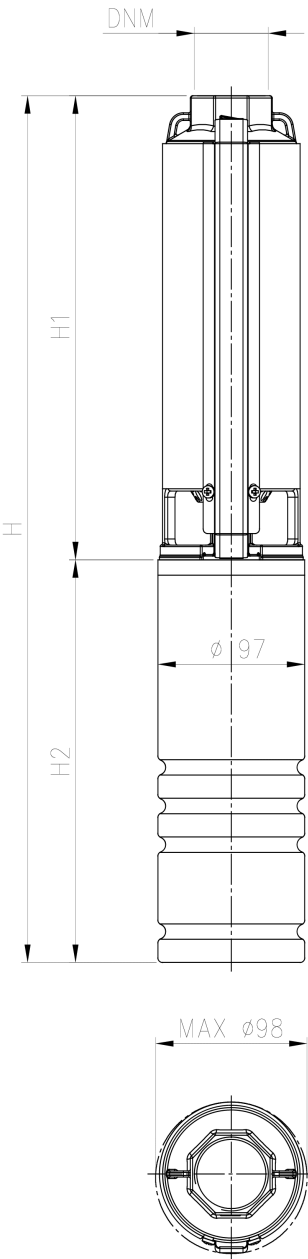
Water; 20°C; 998.3kg/m³; 1mm²/s



Dimensions

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Dimensions in mm							
1	DNM	G 2					
2	H	810					
3	H1	425					
4	H2	385					
5	Weight P&M	12,4 kg					
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							

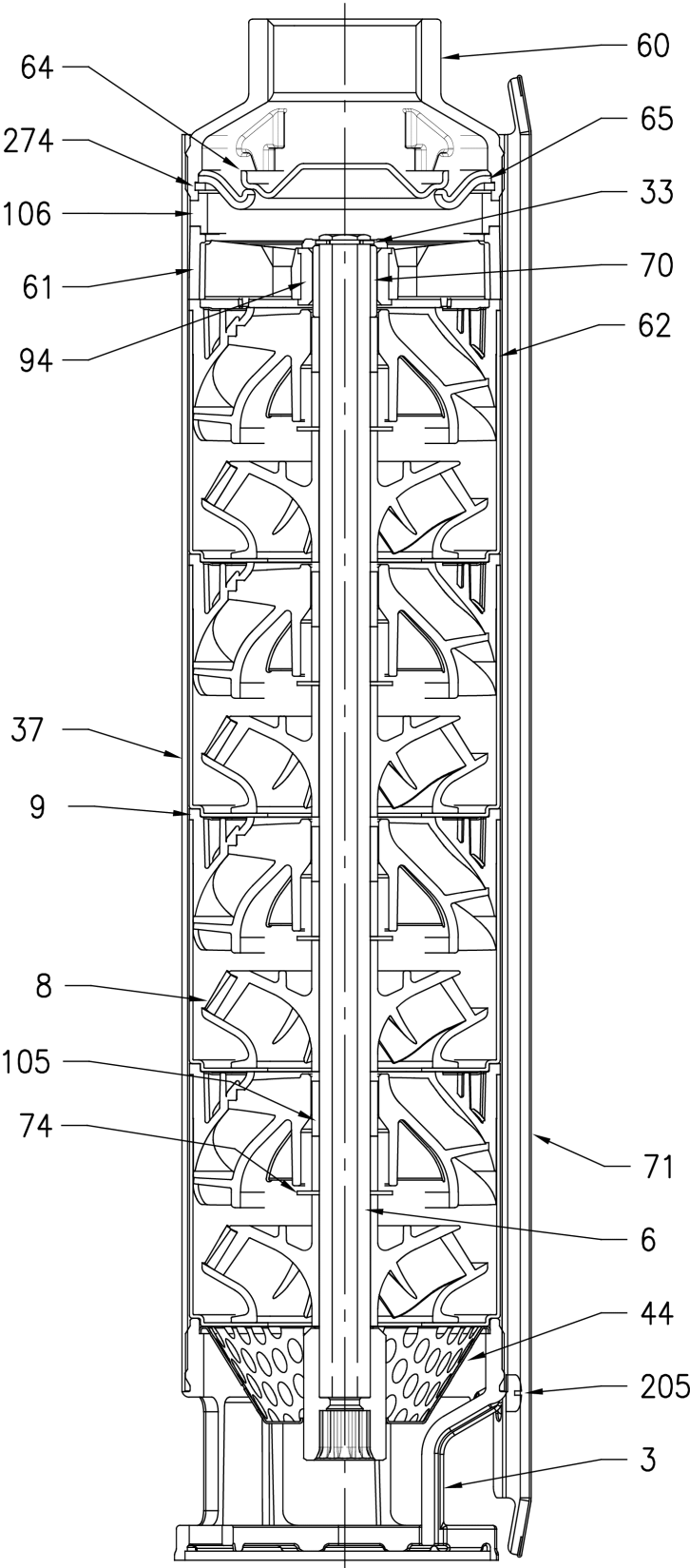
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Construction

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Construction

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N°	PART NAME	MATERIAL	Q.TY
3	Bracket	EN 1.4308 (ASTM CF8)	1
6	Pump shaft with coupling	EN 1.4301 (AISI 304)	1
8	Impeller	Glass fibre reinforced PC	[*]
9	Diffuser	PPE+PS Glass fibre reinforced	[*]
33	Elastic Ring	EN 1.4301 (AISI 304)	1
37	Outer casing	EN 1.4301 (AISI 304)	[*]
44	Strainer	EN 1.4301 (AISI 304)	1
60	Discharge casing	EN 1.4308 (ASTM CF8)	1
61	Upper / Intermediate bracket	PPE+PS Glass fibre reinforced	[*]
62	Stage housing	EN 1.4301 (AISI 304)	[*]
64	Valve	EN 1.4301 (AISI 304)	1
65	Valve seat	EN 1.4301 (AISI 304) + EPDM Rubber	1
70	Shaft sleeve bearing	Alumina (Ceramic)	[*]
71	Cable guard	EN 1.4301 (AISI 304)	1
74	Thrust washer	EN 1.4301 (AISI 304)	[*]
94	Bearing	EPDM Rubber	[*]
105	Spacer	PPE+PS Glass fibre reinforced	[*]
106	Spacer	NORYL+GF20%	1
205	Screw (M4 x 6 UNI 7687)	EN 1.4301 (AISI 304)	2
274	Elastic Ring	EN 1.4310 (AISI 302)	1

[*] See **CONSTRUCTION 3**

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Pump type	POS. 3A Join Ring	POS. 8 Impeller	POS. 9 Diffuser	POS. 37 Outer casing	POS. 61 Upper / Intermediate bracket	POS. 62 Stage housing	POS. 70 Shaft sleeve bearing	POS. 73 Thurst washer first impeller	POS. 74 Thurst washer	POS. 94 Bearing	POS. 105 Spacer
4N15 3	-	3	3	1	1	3	1	-	3	1	6
4N15 4	-	4	4	1	1	4	1	-	4	1	8
4N15 6	-	6	6	1	1	6	1	-	6	1	12
4N15 8	-	8	8	1	1	8	1	-	8	1	16
4N15 11	-	11	11	1	1	11	1	-	11	1	22