

Technical data

Pump name

W/9.3

Customer	Date	2024-06-16	Company
Contact	Item no.		Issued by
Phone	Project		Phone
E-mail	Project ID	Proiect redenumit 2024-06-16 15:45:44	E-mail

Requested data

1	Pump type		SUBMERSIBLE PUMP	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		W/9.3	Frequency	Hz	50	
10	Design		SUBMERSIBLE PUMP	Installation type		STANDARD	
11	Manufacturer		EBARA	Impeller Diameter	Max.	mm	118
12	Speed	rpm	2850		Designed	mm	118
13	No. of Stage		18		Min.	mm	118
14	Connection	Suction side		Flow	Operating	m³/h	
15	Connection	Discharge side	UNI ISO 228		Max-	m³/h	16.5
16	Max Working Pressure	bar			Min-	m³/h	3.6
17	Shut-off head	bar	26.88	Head	Operating	m	
18	Total weight	kg	See the table of "Dimensions".		- (Qmax.)	m	61.4
19	Shaft power	kW	(Power / Stage)		- (Qmin.)	m	262.2
20				Max. Shaft Power at max. impeller	kW	0.41	(Power / Stage)
21	Required pump NPSH	m		Efficiency	%		

Materials

22	Impeller		PPE+PS glass fibre reinforced			
23	Casing		PPE+PS glass fibre reinforced			
24	Shaft		AISI 420			
25						
26						
27						

Motor

28	Manufacturer		FRANKLIN	Insulation class		F
29	Type		SF6_R10-18_380_Three Phase	Phases		3~
30	Specific design		Submersible water filled type / 50 Hz / Pole pairs 1	Frame size		
31	Rated power	kW	9.3	Weight	kg	47.3
32	Number of poles		2	Electric voltage	V	380
33	Speed	rpm	2870	Electric current	A	21
34	Degree of protection		IP 68			
35						

Remarks

Performance curve

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Requested data

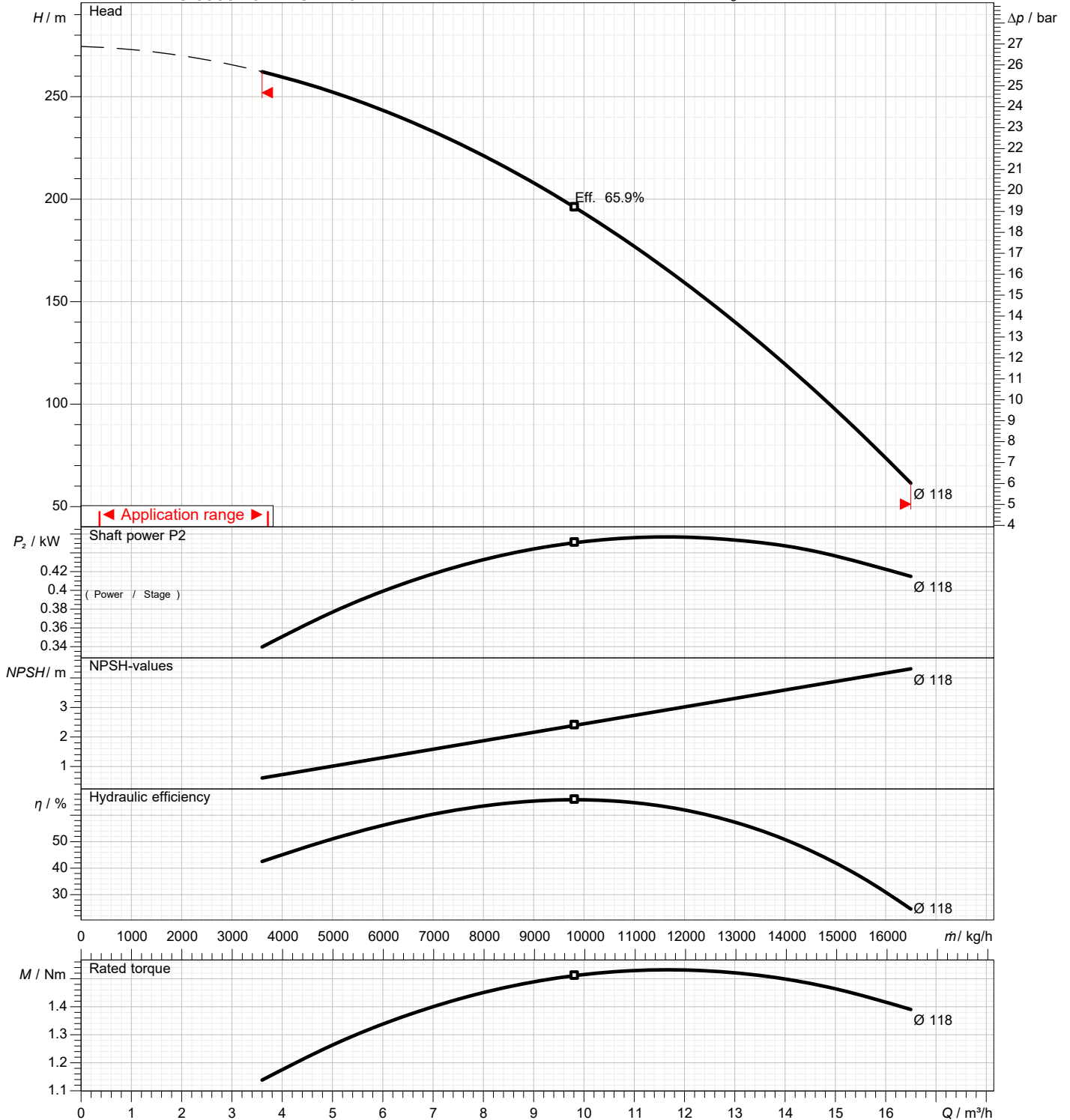
1	Flow	m ³ /h	
2	Head	m	
3	Geodetic head	m	

Pump

Operating flow	m ³ /h		Frequency	Hz	50	
Operating head	m		Number of poles		2	
Impeller Diameter	Designed	mm	118	Speed	rpm	2850

Test standard: ISO 9906:2012 - Grade3B

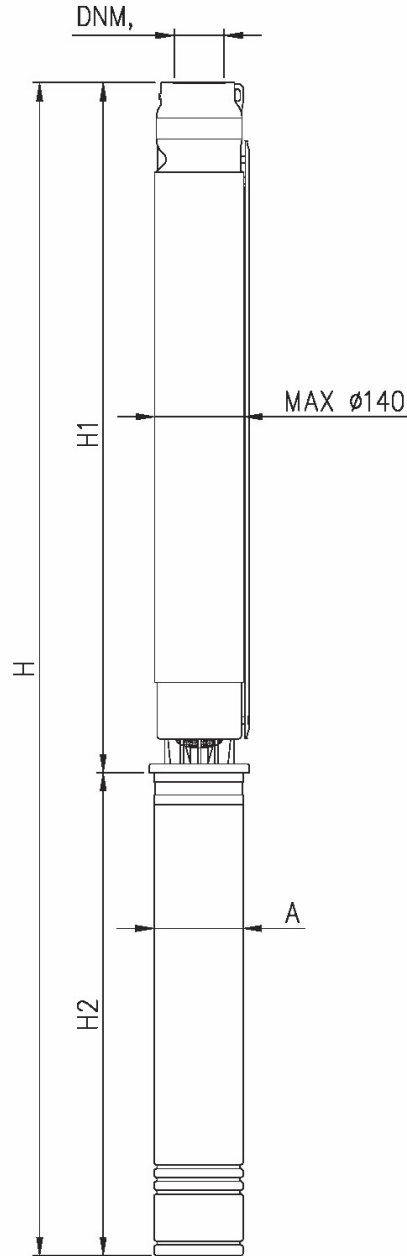
Water; 20°C; 998.3kg/m³; 1mm²/s



Dimensions

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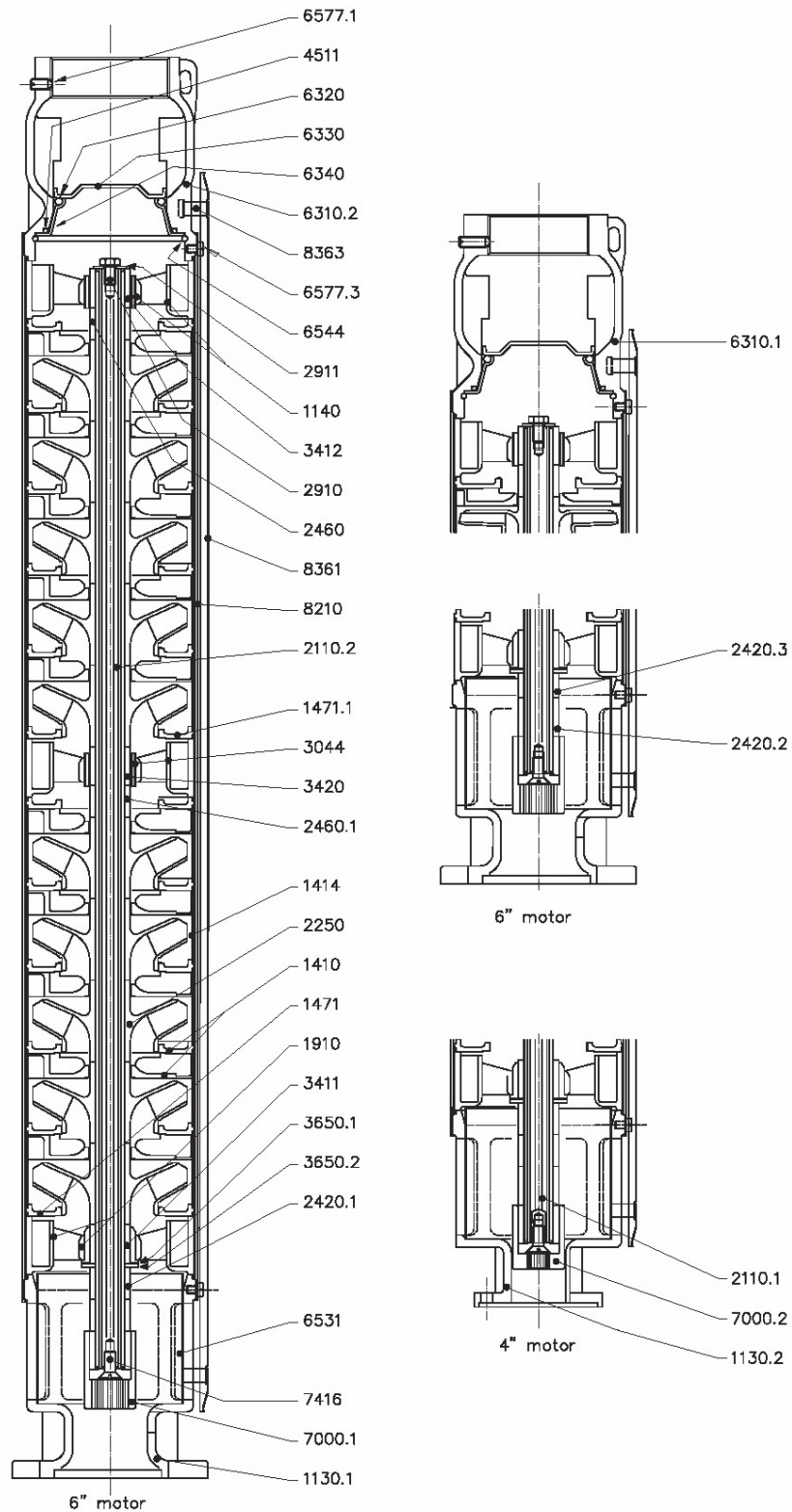


Dimensions in		mm						
1	A	136.7						
2	DNM	G 3						
3	H	1651						
4	H1	972						
5	H2	679						
6	Weight kg	65.5						
7								
8								
9								
10								
11								
12								
13								
14								
15								

(1/2) Construction

Pump name W/9.3

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(2/2)**Construction****Pump name W/9.3**

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N°	PART NAME	MATERIAL
1130.1	Suction casing 6"	Ni-resist D-2B - Stainless modular cast iron
1130.2	Suction casing 4"	Ni-resist D-2B - Stainless modular cast iron
1140	Upper bearing support + rubber bearing	(PPE+PS glass fibre reinforced) and NBR
1410	Diffuser	(PPE+PS glass fibre reinforced) + EN 1.4301 (AISI 304)
1414	Diffuser casing	EN 1.4301 (AISI 304)
1471	Suction disc	(PPE+PS glass fibre reinforced) + EN 1.4301 (AISI 304)
1471.1	Suction disc	(PPE+PS glass fibre reinforced) + EN 1.4301 (AISI 304)
1910	Lower bearing support + bronze bearing	(PPE+PS glass fibre reinforced) + bronze
2110.1	Pump shaft 4"	EN 1.4021 (AISI 420)
2110.2	Pump shaft 6"	EN 1.4021 (AISI 420)
2250	Impeller	PPE+PS glass fibre reinforced
2420.1	Shaft sleeve	PPE+PS glass fibre reinforced
2420.2	Shaft sleeve	PPE+PS glass fibre reinforced
2420.3	Shaft sleeve	PPE+PS glass fibre reinforced
2460	Shaft sleeve	PPE+PS glass fibre reinforced
2460.1	Spacer sleeve	PPE+PS glass fibre reinforced
2910	Screw	EN 1.4301 (AISI 304)
2911	Washer	EN 1.4301 (AISI 304)
3044	Intermediate bearing support + rubber bearing	(PPE+PS glass fibre reinforced) and NBR
3411	Lower bearing sleeve	EN 1.4401 (AISI 316L) + ceramic coating
3412	Upper bearing sleeve	EN 1.4401 (AISI 316L) + ceramic coating
3420	Intermediate bearing sleeve	EN 1.4401 (AISI 316L) + ceramic coating
3650.1	Thrust bearing - washer	Low friction RULON W2
3650.2	Thrust bearing - plate	EN 1.4301 (AISI 304)
4511	O-Ring	NBR
6310.1	Discharge casing (G 2 1/2)	Ni-resist D-2B - Stainless modular cast iron
6310.2	Discharge casing (G 3)	Ni-resist D-2B - Stainless modular cast iron
6320	O-Ring	NBR
6330	Valve plate	EN 1.4301 (AISI 304)
6340	Valve seat	EN 1.4301 (AISI 304)
6531	Strainer	EN 1.4301 (AISI 304)
6544	Split ring	EN 1.4301 (AISI 304)
6577.1	Set screw	EN 1.4301 (AISI 304)
6577.3	Screw	EN 1.4301 (AISI 304)
7000.1	Coupling (with screw)	EN 1.4105 (AISI 430F)
7000.2	Coupling (with screw)	EN 1.4105 (AISI 430F)
7416	Screw	EN 1.4301 (AISI 304)
8210	Pump casing	EN 1.4301 (AISI 304)
8361	Cable guard	EN 1.4301 (AISI 304)
8363	Cable guard hook	EN 1.4301 (AISI 304)