

Technical Data

Pump Name

EVMS32 11-1LF5HQ1BEG E/18.5

Customer	Date	2024-06-14	Company
Contact	Item no.		Issued by
Phone	Project		Phone
E-mail	Project ID	Proiect redenumit 2024-06-14 09:53:20	E-mail

Requested data

1	Pump type	VERTICAL MULTISTAGE PUMP	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	0	Density	kg/m³
7	Available system NPSH		Solids Weight %	0
8	Ambient temperature °C	20		

Pump

9	Pump Name	EVMS32 11-1LF5HQ1BEG E/18.5	Frequency	Hz	50
10	Design	VERTICAL MULTISTAGE PUMP	Installation type		Loose flange
11	Manufacturer	EBARA	Impeller Diameter	Max. mm	118
12	Speed rpm	2950		Designed mm	118
13	No. of Stage	11		Min. mm	118
14	Connection Suction side		Flow	Operating m³/h	
15	Connection Discharge side			Max- m³/h	42
16	Max Working Pressure bar	25		Min- m³/h	12
17	Shut-off head bar	23.44	Head	Operating m	
18	Total weight kg	See the table of "Dimensions".		- (Qmax.) m	116.5
19	Shaft power kW			- (Qmin.) m	228.3
20			Max. Shaft Power at max. impeller	kW	18.49
21	Required pump NPSH m		Efficiency	%	

Materials

22	Impeller	AISI 304		
23	Intermediate casing	AISI 304		
24	Bottom casing	EN 1.4308 (ASTM CF8)		
25	Casing cover	AISI 304		
26	Shaft	AISI 304		
27	O-ring	EPDM		

Motor

28	Manufacturer	ATB	Insulation class	F
29	Type	TEFC_EVMS32 11-1/18.5_400_Three Phase	Phases	3~
30	Specific design	IE3 / 50 Hz / Pole pairs 1	Frame size	160
31	Rated power kW	18.5	Weight kg	109
32	Number of poles	2	Electric voltage V	400
33	Speed rpm	2955	Electric current A	32.8
34	Degree of protection	IP56		
35				

Remarks

Performance Curve

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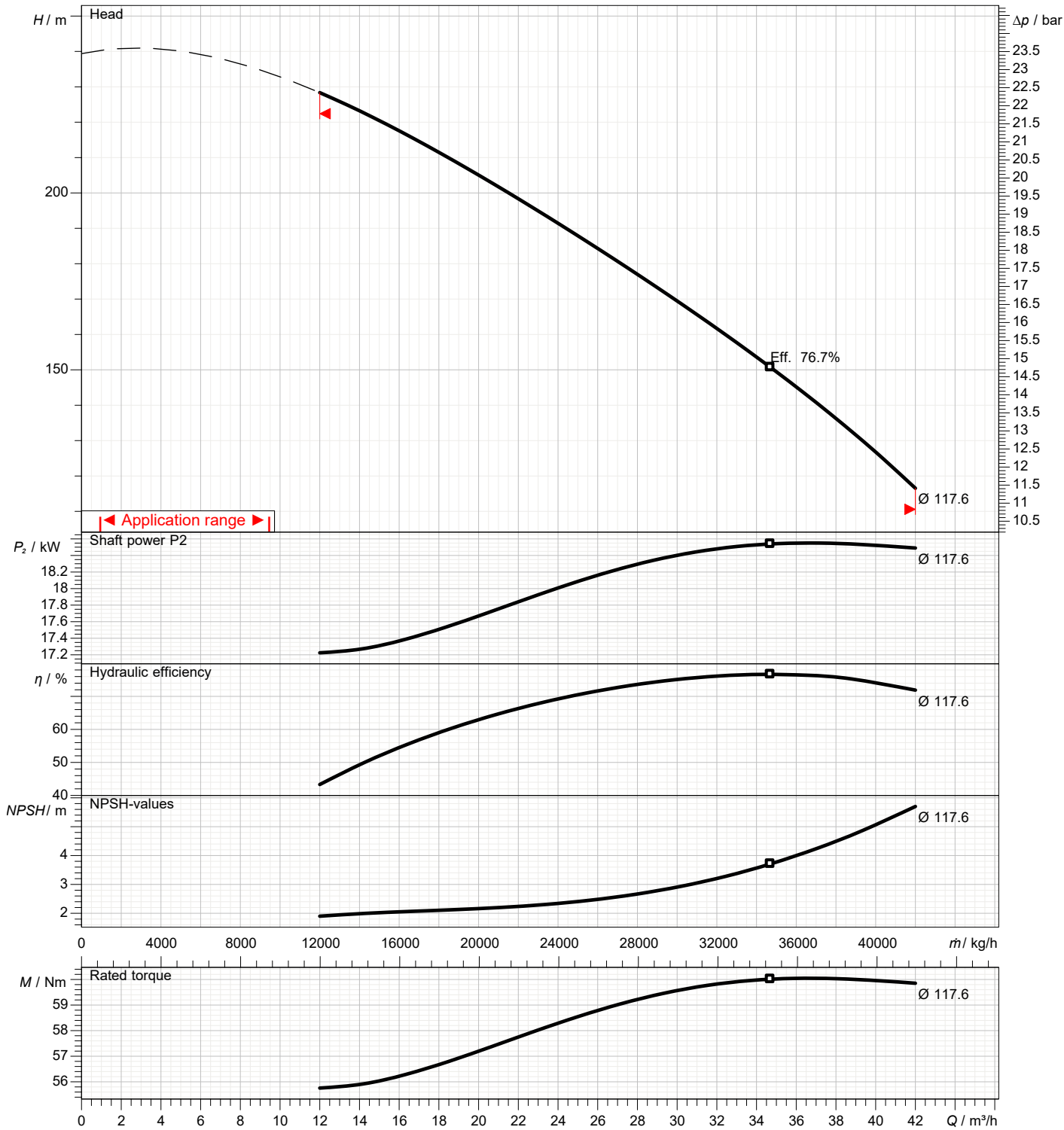
1	Flow	m³/h	
2	Head	m	
3	Geodetic head	m	

Pump

Operating flow	m³/h		Frequency	Hz	50
Operating head	m		Number of poles		2
Impeller diameter designed	mm	118	Speed	rpm	2950

Test standard: ISO 9906:2012 - Grade3B

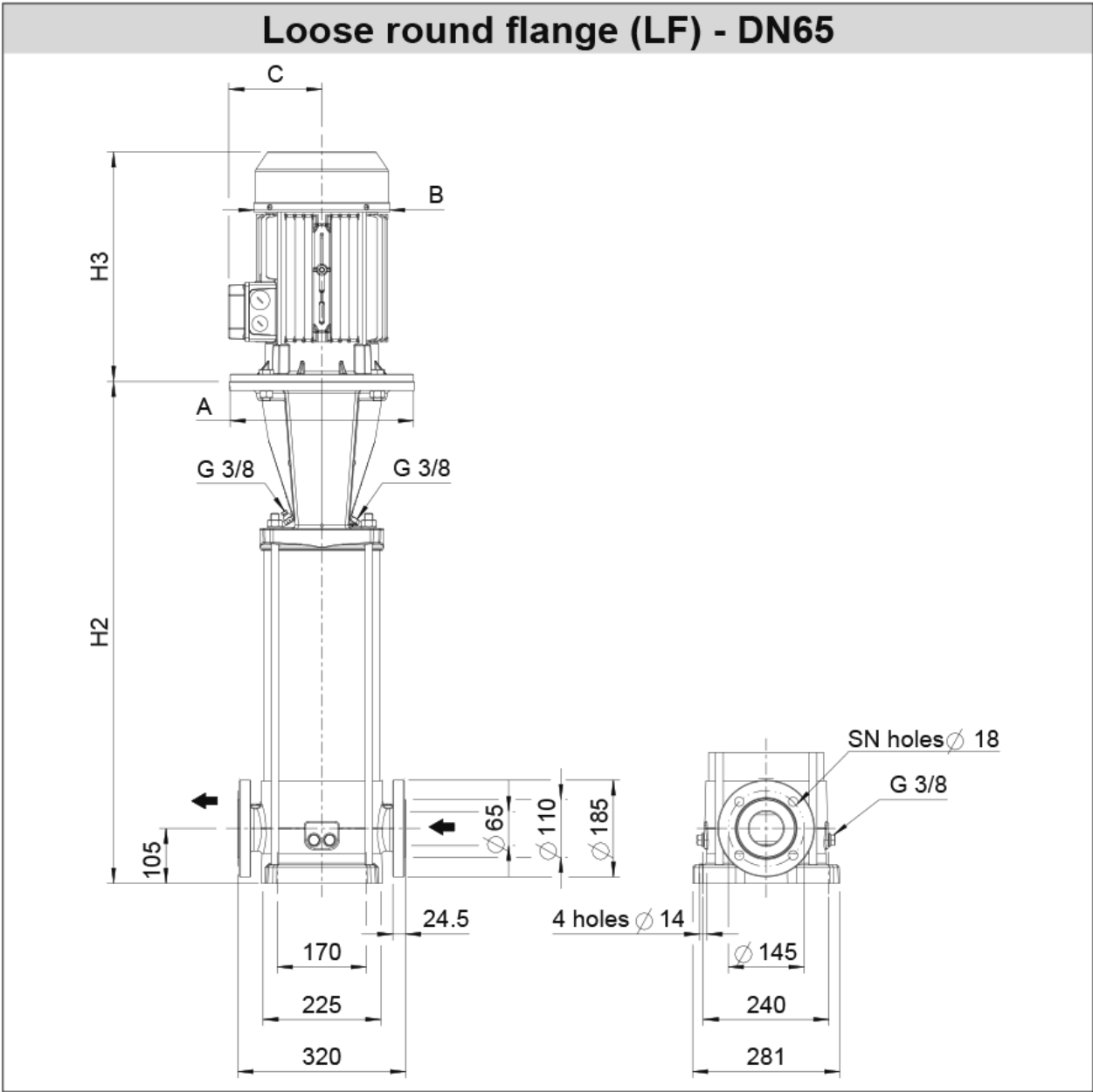
Water; 20°C; 998.3kg/m³; 1mm²/s



Dimensions

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Dimensions in mm							
1	A	Dia350					
2	B	311					
3	C	240					
4	H2	1295					
5	H2+H3	1790					
6	SN	8					
7	Weight P&M (kg)	209.8					
8							
9							
10							
11							
12							
13							
14							
15							

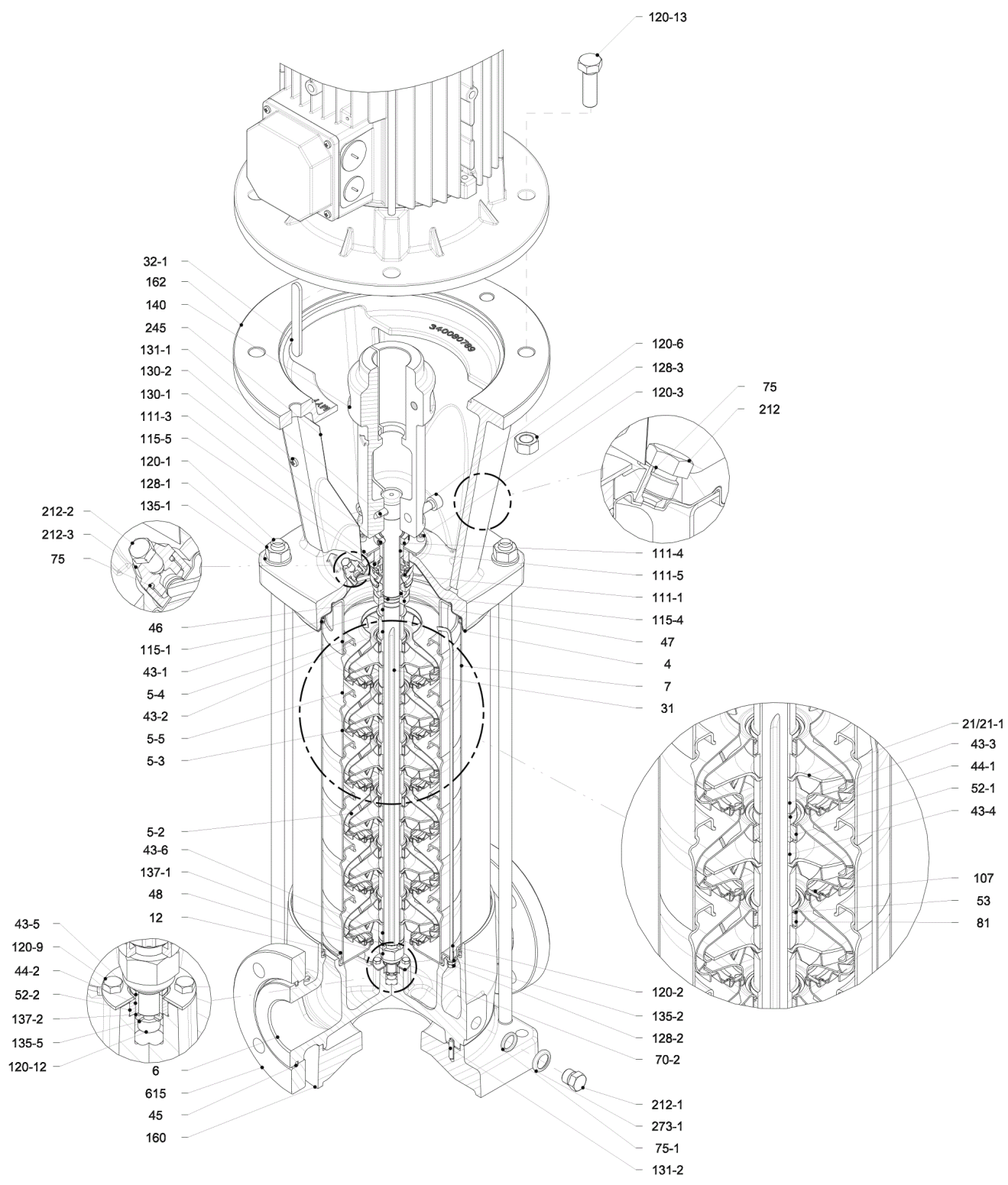
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Construction

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(2/3)

Construction

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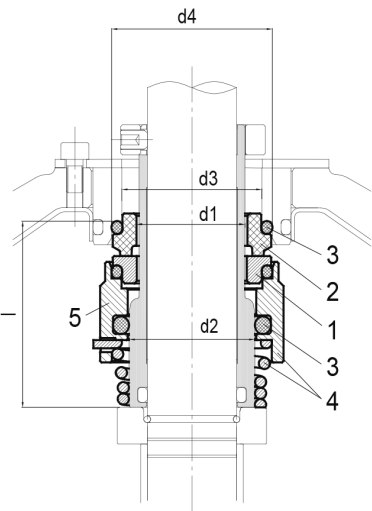
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● Standard

Type key	Availability	Max operating pressure	Max operating temperature	Shaft seal type		Shaft seal material									
				Cartridge		1		2		3		4		5	
				Type	Code	Rotating part	Code	Stationary part	Code	Elastomers	Code	Compression spring	Collar	Code	
HQ1BEG	●	25/35 bar	- 30°C to + 140°C	Balanced	(H)	SiC	(Q1)	Carbon	(B)	EPDM	(E)	AISI 316		(G)	

Max operating pressure	d1 [mm]	d2 [mm]	d3 [mm]	d4 [mm]	l [mm]
25 bar	28	33	37	43	50