

Technical Data

Pump Name

3LM 65-200/18.56 IE3

Customer	Date	2024-06-20	Company
Contact	Item no.		Issued by
Phone	Project		Phone
E-mail	Project ID	Proiect redenumit 2024-06-20 10:03:09	E-mail

Requested data

1	Pump type	CENTRIFUGAL 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	3LM 65-200/18.56 IE3	Frequency Hz	60
10	Design	CENTRIFUGAL PUMPS	Installation type	STANDARD
11	Manufacturer	EBARA	Impeller Diameter	Max. mm 175
12	Speed rpm	3520		Designed mm 175
13	No. of Stage	1		Min. mm 175
14	Connection Suction side	DIN 2532	Flow	Operating m³/h
15	Connection Discharge side	DIN 2532		Max- m³/h 132
16	Max Working Pressure bar	10		Min- m³/h 42
17	Shut-off head bar	6.22	Head	Operating m
18	Total weight kg	See the table of "Dimensions".		- (Qmax.) m 38.8
19	Shaft power kW			- (Qmin.) m 61.0
20			Max. Shaft Power at max. impeller kW	18.52
21	Required pump NPSH m		Efficiency %	

Materials

22	Impeller	CF8M		
23	Casing	AISI 316		
24	Shaft	AISI 316L		
25				
26				
27				

Motor

28	Manufacturer	EPE Standard	Insulation class	F
29	Type	TEFC_3M 65-200/18.56_460_Three Phase	Phases	3~
30	Specific design	IE3 / 60 Hz / Pole pairs 1	Frame size	
31	Rated power kW	18.5	Weight kg	
32	Number of poles	2	Electric voltage V	460
33	Speed rpm	3500	Electric current A	30.3
34	Degree of protection	IP 55		
35				

Remarks

Performance Curve

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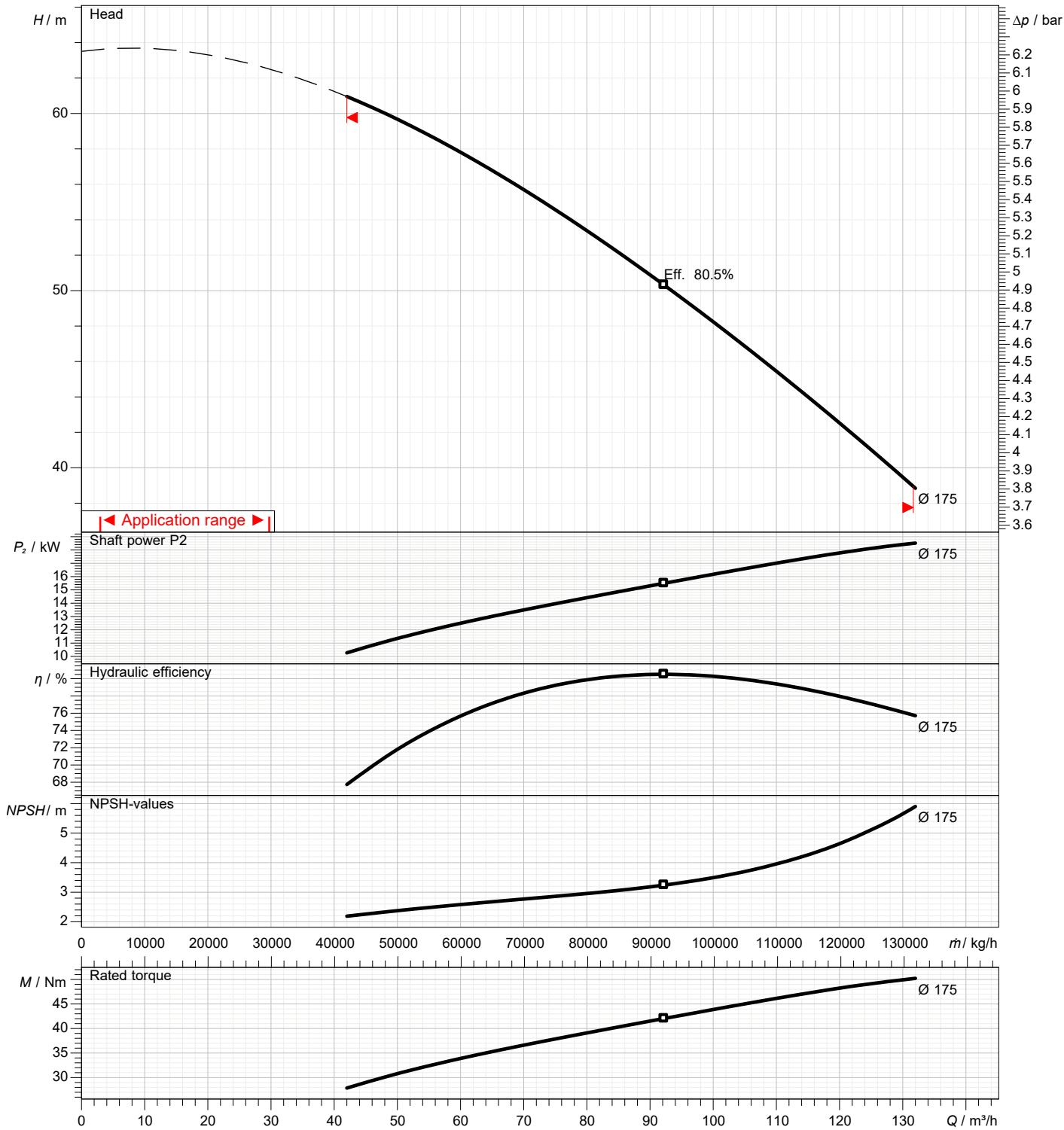
1	Flow	m³/h	
2	Head	m	
3	Geodetic head	m	

Pump

Operating flow	m³/h		Frequency	Hz	60
Operating head	m		Number of poles		2
Impeller diameter designed	mm	175	Speed	rpm	3520

Test standard: ISO 9906:2012 - Grade3B

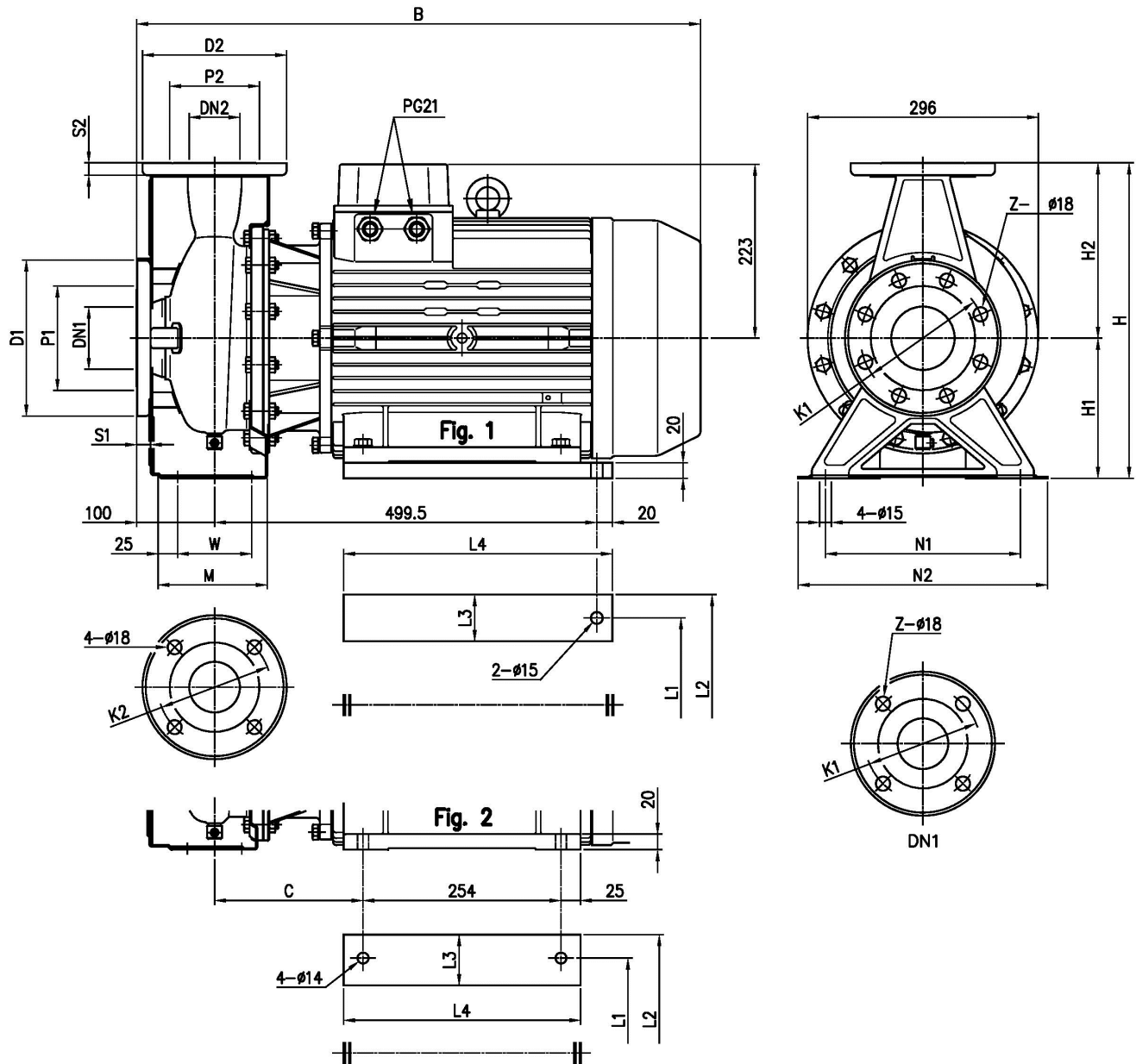
Water; 20°C; 998.3kg/m³; 1mm²/s



Dimensions

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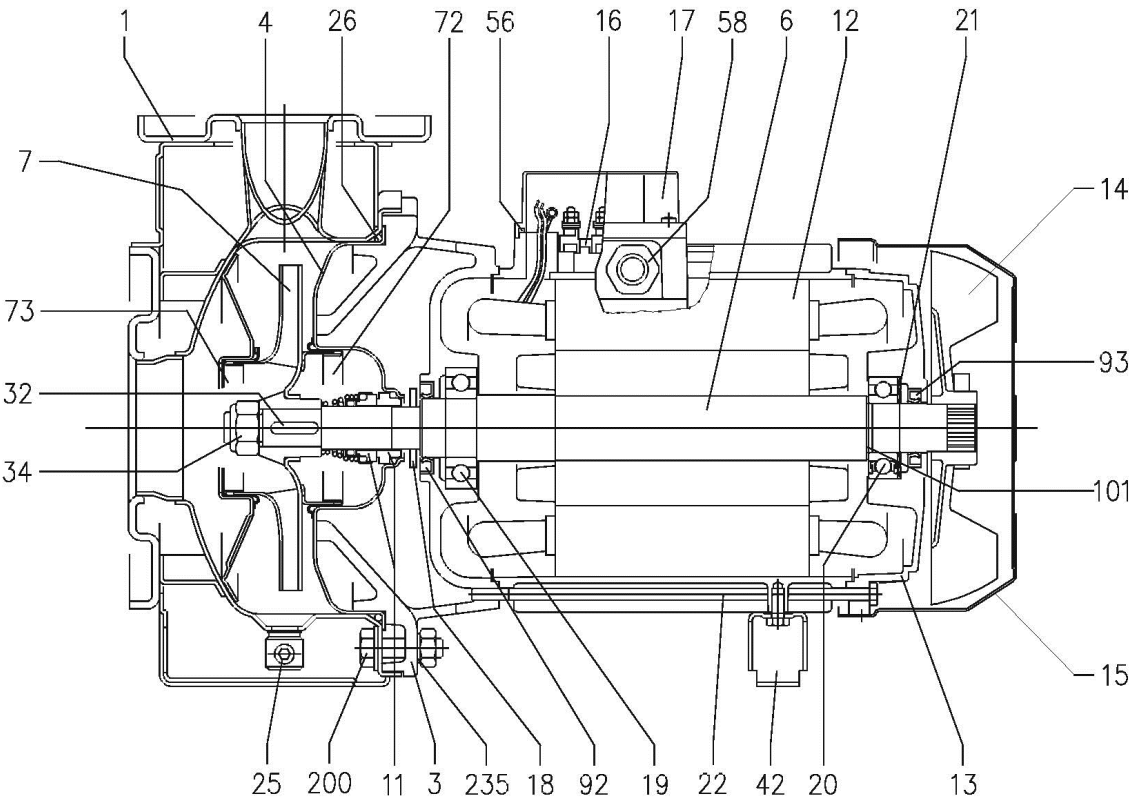
Dimensions in mm									
1	B	732	L3	60					
2	Dia D1	200	L4	345					
3	Dia D2	185	M	140					
4	Dia DN1	80	N1	250					
5	Dia DN2	65	N2	320					
6	Dia K1	160	S1	18					
7	Dia K2	145	S2	16					
8	Dia P1	134	W	95					
9	Dia P2	115	Weight P&M	126,3 kg					
10	Fig	1	Z	8					
11	H	405	Z option	4					
12	H1	180							
13	H2	225							
14	L1	254							
15	L2	314							

(1/3)
Construction

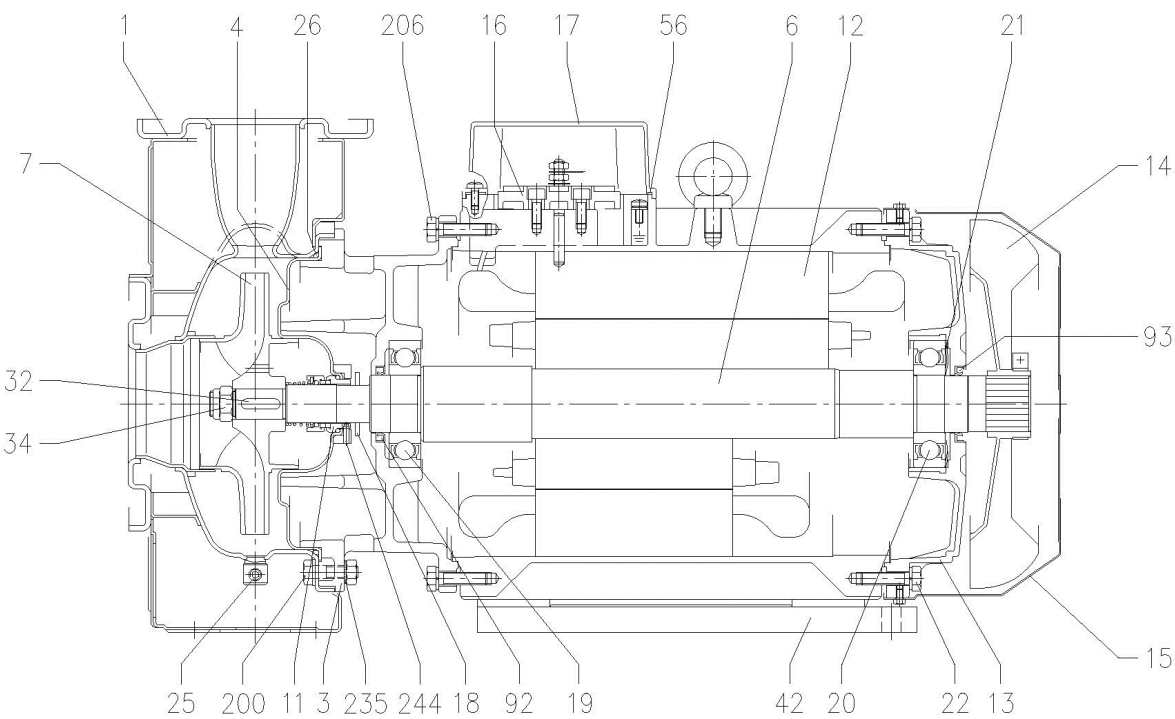
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UP TO 11 kW



15 kW AND ABOVE



(2/3)

Construction

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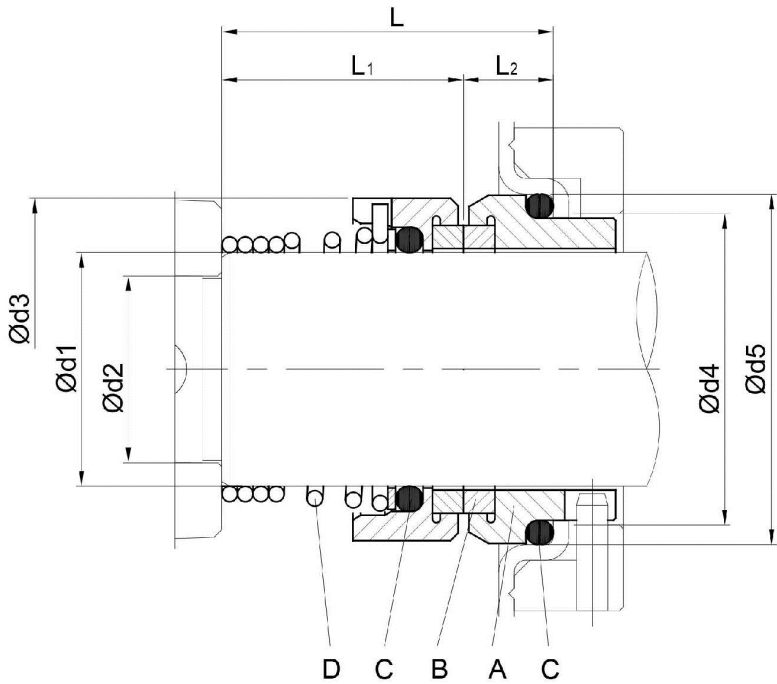
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Version	Pump type	Dimensions [mm]								Material Standard			
		d1	d2	d3	d4	d5	L	L1	L2	A Stationary seal ring	B Rotary seal ring	C O-ring	D Frame + spring
L	65-160/156 65-200 65-250 80-160/200	30	24	44	39	45	42.5	31	11	SiC	SiC	FPM	EN 1.4401 (AISI 316)