

Technical Data

Pump Name

3P 65-160/156

Customer	Date	2024-06-20	Company
Contact	Item no.		Issued by
Phone	Project		Phone
E-mail	Project ID	Proiect redenumit 2024-06-20 14:51:28	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	3P 65-160/156	Frequency Hz	60
10	Design	CENTRIFUGAL PUMPS	Installation type	STANDARD
11	Manufacturer	EBARA	Impeller Diameter	Max. mm 157
12	Speed rpm	3480		Designed mm 157
13	No. of Stage	1		Min. mm 157
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	4.99	Head	Operating m
18	Total weight kg	See the table of "Dimensions".		- (Qmax.) m 29.5
19	Shaft power kW			- (Qmin.) m 48.6
20			Max. Shaft Power at max. impeller kW	14.59
21	Required pump NPSH m		Efficiency %	

Materials

22	Impeller	AISI 316		
23	Casing	AISI 304		
24	Shaft	AISI 304		
25				
26				
27				

Motor

28	Manufacturer	LAFERT	Insulation class	F
29	Type	TEFC_3P 65-160/156_460_Three Phase	Phases	3~
30	Specific design	IE2 / 60 Hz / Pole pairs 1	Frame size	
31	Rated power kW	15	Weight kg	
32	Number of poles	2	Electric voltage V	460
33	Speed rpm	3500	Electric current A	23.3
34	Degree of protection	IP 55		
35				

Remarks

Performance Curve

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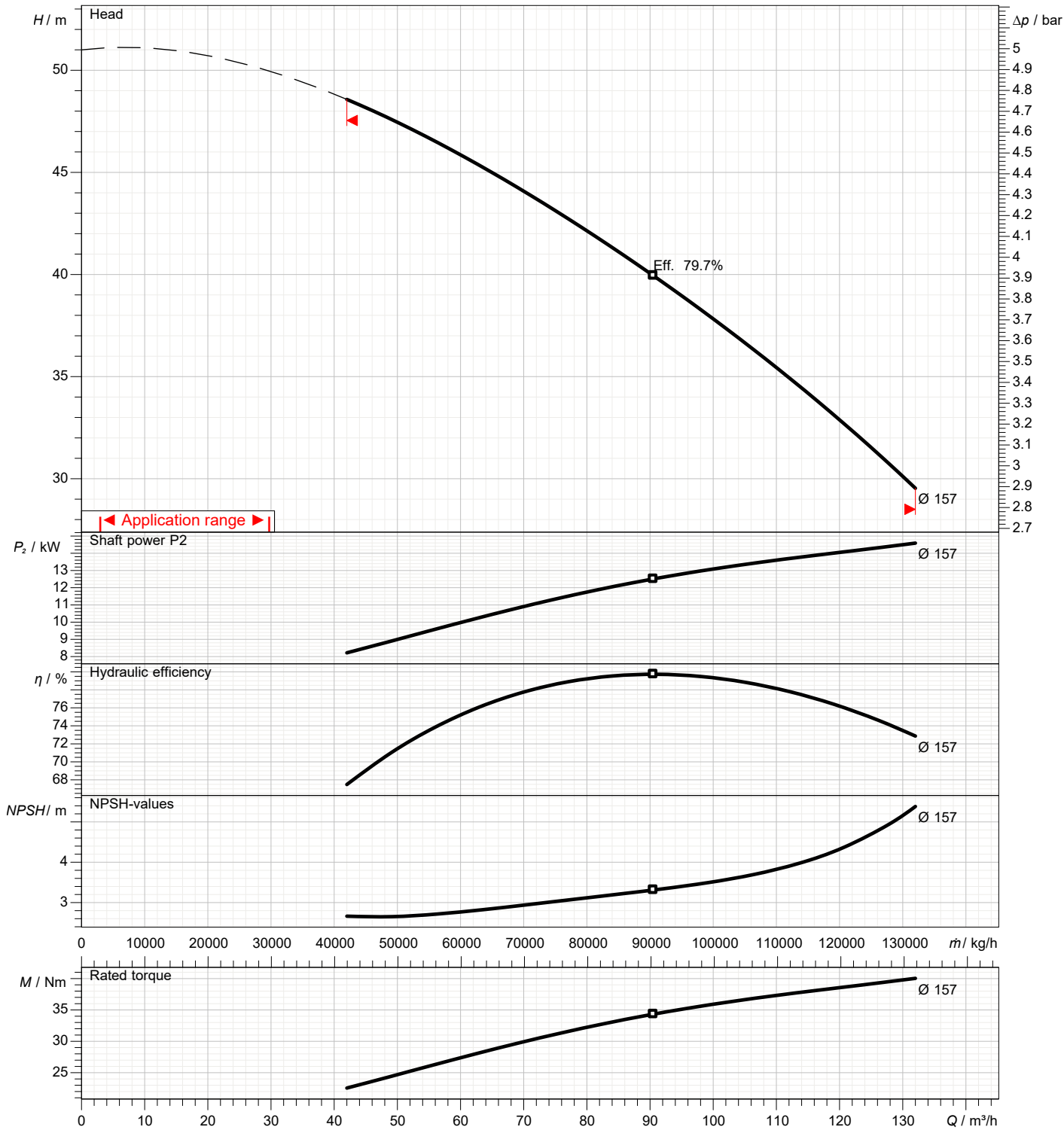
1	Flow	m³/h	
2	Head	m	
3	Geodetic head	m	

Pump

Operating flow	m³/h		Frequency	Hz	60
Operating head	m		Number of poles		2
Impeller diameter designed	mm	157	Speed	rpm	3480

Test standard: ISO 9906:2012 - Grade3B

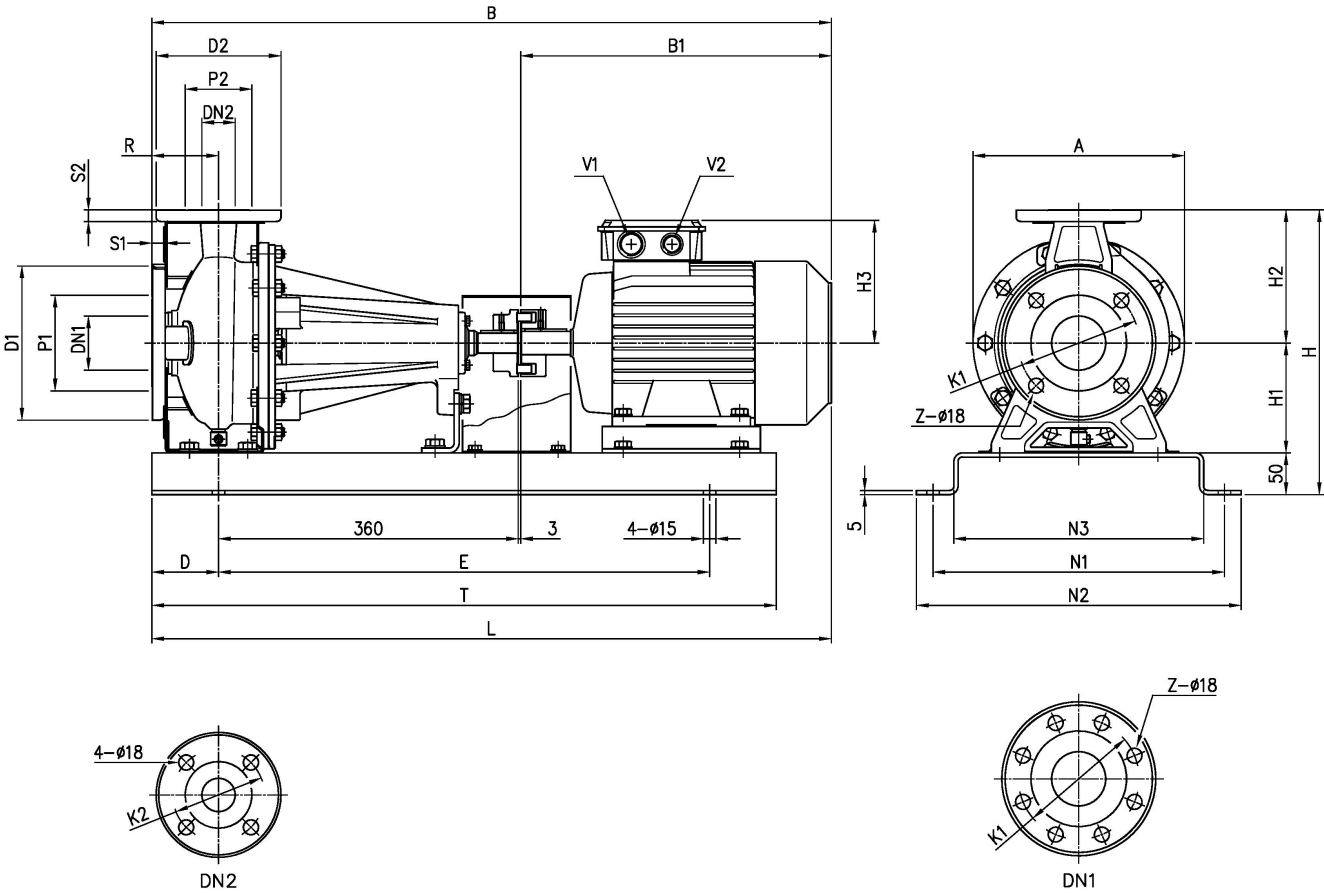
Water; 20°C; 998.3kg/m³; 1mm²/s



Dimensions

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Dimensions in mm							
1	A	296	H2	200			
2	B	1071	H3	238			
3	B1	608	L	1071			
4	D	100	N1	380			
5	Dia D1	200	N2	420			
6	Dia D2	185	N3	330			
7	Dia DN1	80	R	100			
8	Dia DN2	65	S1	18			
9	Dia K1	160	S2	16			
10	Dia K2	145	T	1000			
11	Dia P1	134	V1	M40x1,5			
12	Dia P2	115	V2	M40x1,5			
13	E	800	Weight P&M	129 kg			
14	H	410	Z	8			
15	H1	160	Z option	4			

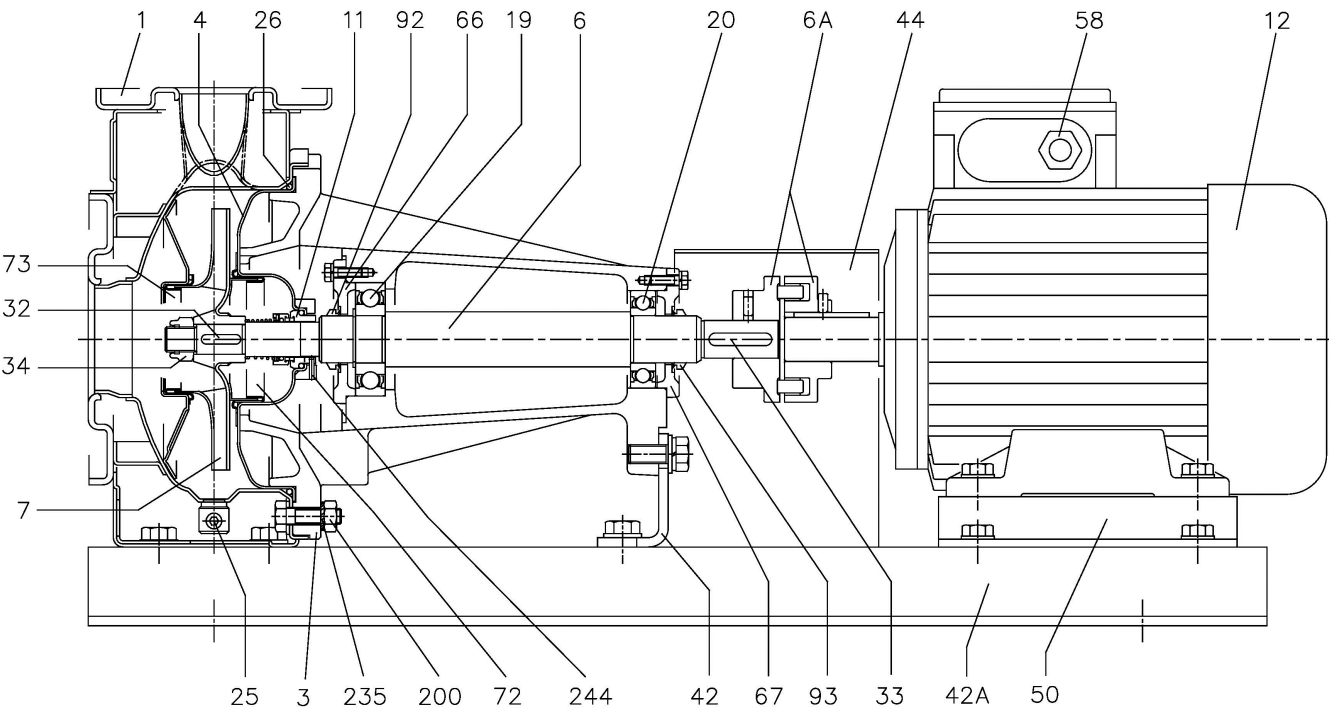
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Construction

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Construction

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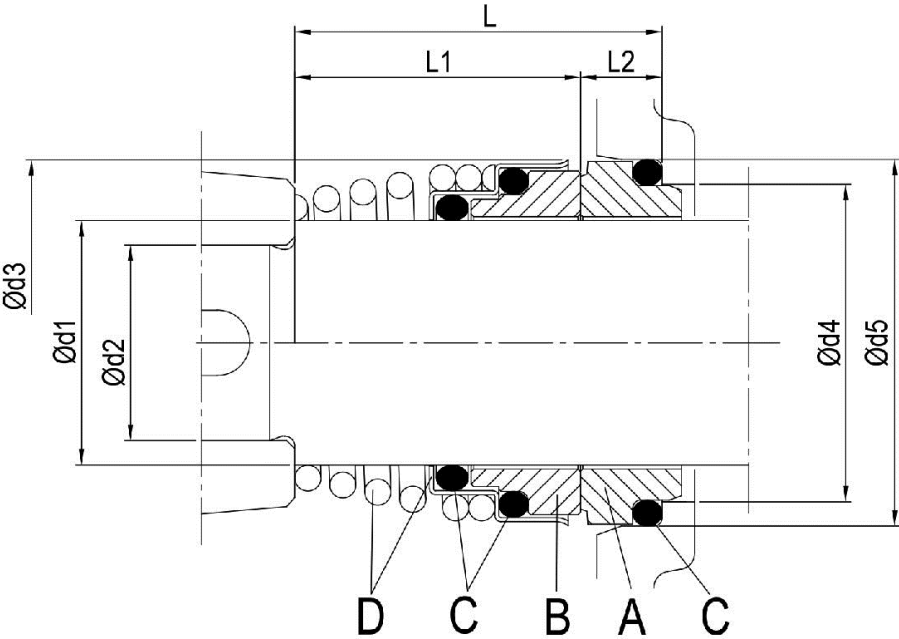
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Pump type	Dimensions [mm]								Material Standard			
	d1	d2	d3	d4	d5	L	L1	L2	A Stationary seal ring	B Rotary seal ring	C O-ring	D Frame + spring
65-160/156 65-200	30	24	46	39	45	42.5	32.5	10	Carbon	Ceramic	NBR	EN 1.4401 (AISI 316)