

Technical Data

Pump Name

3P 32-160/3.06

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 32-160/3.06	Frequency Hz	60
10	Design	CENTRIFUGAL PUMPS	Installation type	STANDARD
11	Manufacturer	EBARA	Impeller Diameter	Max. mm 151
12	Speed rpm	3480		Designed mm 151
13	No. of Stage	1		Min. mm 151
14	Connection Suction side	DIN 2532	Flow	Operating m³/h
15	Connection Discharge side	DIN 2532		Max- m³/h 24
16	Max Working Pressure bar	10		Min- m³/h 6
17	Shut-off head bar	4.16	Head	Operating m
18	Total weight kg	See the table of "Dimensions".		- (Qmax.) m 26.0
19	Shaft power kW			- (Qmin.) m 41.0
20			Max. Shaft Power at max. impeller kW	2.75
21	Required pump NPSH m		Efficiency %	

Materials

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

Motor

28	Manufacturer	LAFERT	Insulation class	F
29	Type	TEFC_3P 32-160/3.06_265_Three Phase	Phases	3~
30	Specific design	IE2 / 60 Hz / Pole pairs 1	Frame size	
31	Rated power kW	3	Weight kg	
32	Number of poles	2	Electric voltage V	265
33	Speed rpm	3500	Electric current A	8.3
34	Degree of protection	IP 55		
35				

Remarks

Performance Curve

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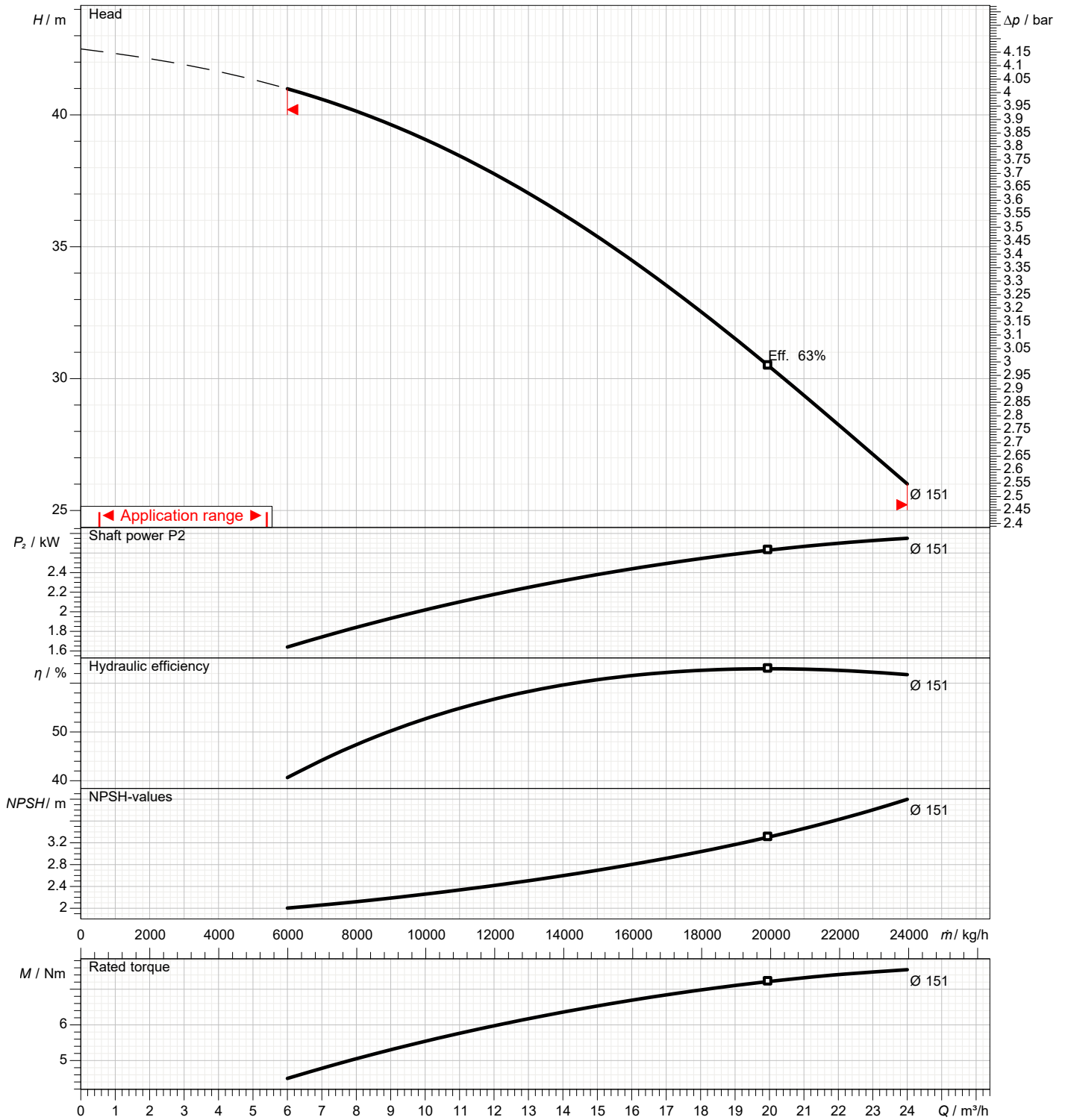
Requested data

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	151	Speed	rpm	3480

Pump

Test standard: ISO 9906:2012 - Grade3B

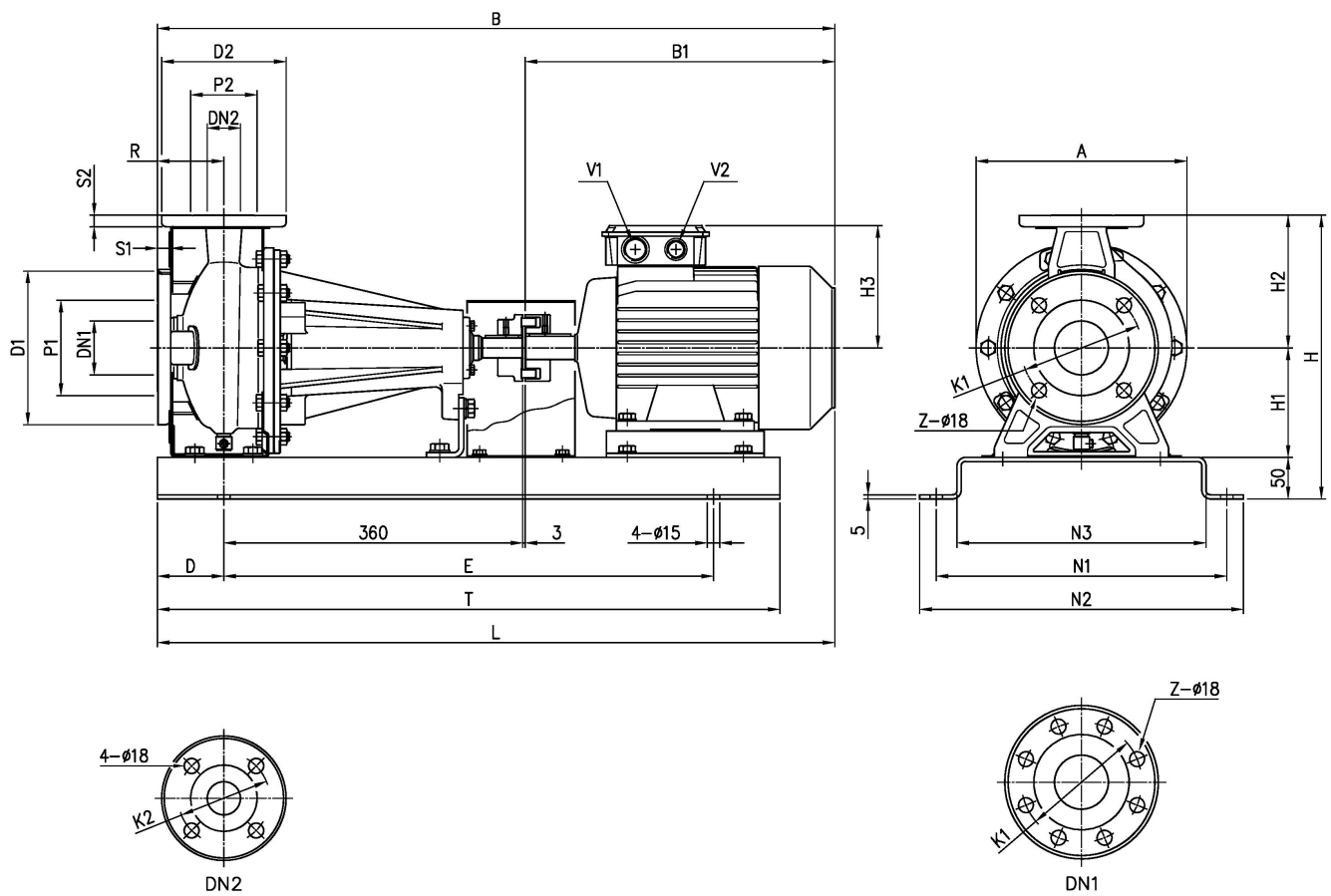
Water; 20°C; 998.3kg/m³; 1mm²/s



Dimensions

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Dimensions in mm							
1	A	254	H2	160			
2	B	809	H3	155			
3	B1	366	L	809			
4	D	80	N1	350			
5	Dia D1	165	N2	390			
6	Dia D2	140	N3	300			
7	Dia DN1	50	R	80			
8	Dia DN2	32	S1	16			
9	Dia K1	125	S2	14			
10	Dia K2	100	T	750			
11	Dia P1	95	V1	M25x1,5			
12	Dia P2	75	V2	M20x1,5			
13	E	590	Weight P&M	70,5 kg			
14	H	342	Z	4			
15	H1	132					

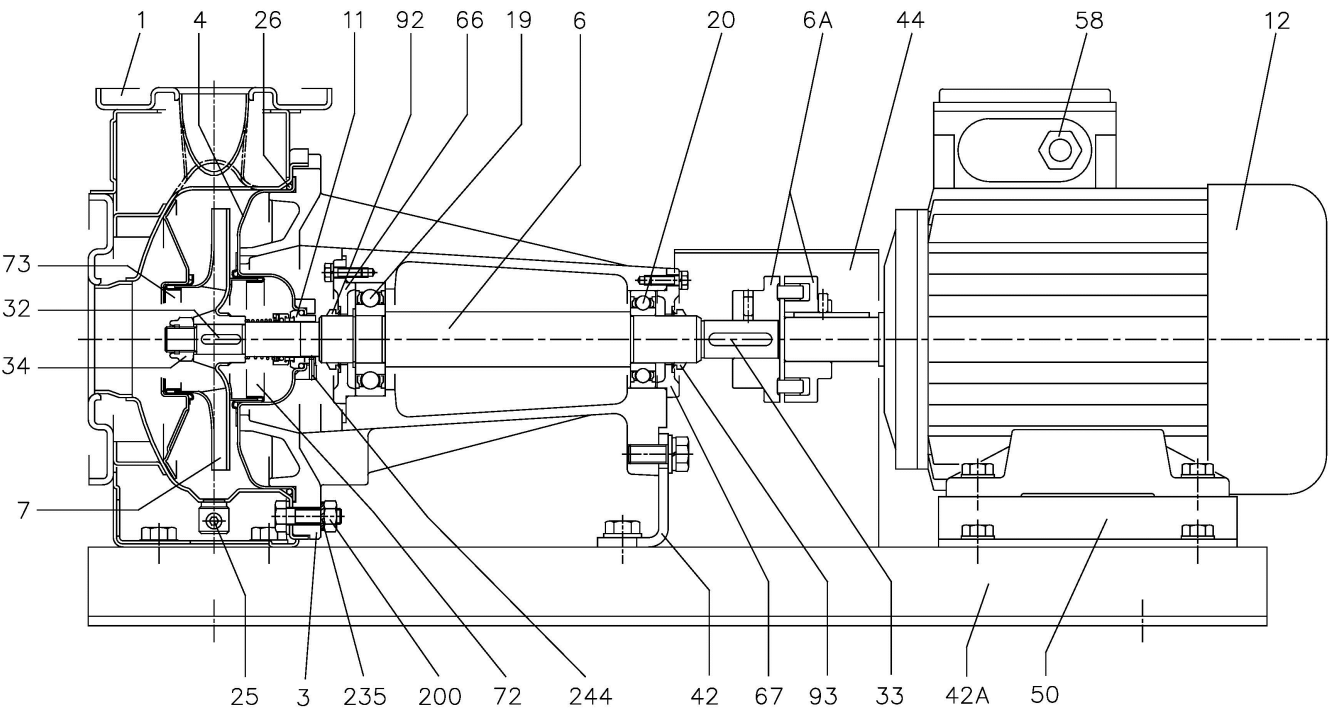
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Construction

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Construction

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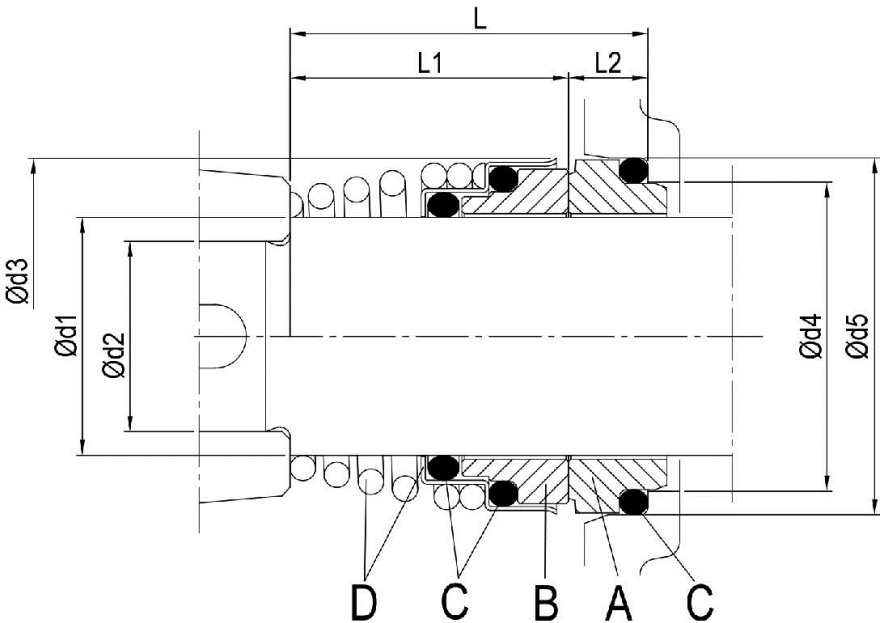
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Pump type	Dimensions [mm]								Material Standard			
	d1	d2	d3	d4	d5	L	L1	L2	A Stationary seal ring	B Rotary seal ring	C O-ring	D Frame + spring
32-125/160/200 40-125/160/200 50-125/160 65-125 65-160/7.56-9.26-116	22	19	38	31	37	37.5	27.5	10	Carbon	Ceramic	NBR	EN 1.4301 (AISI 304)