

Technical Data

Pump Name

3LP4 80-200/4R

Customer	Date 10.06.2024	Company
Contact	Item no.	Issued by
Phone	Project	Phone
E-mail	Project ID	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 cSt	1.005
4	Head m		Vapour pressure kPa	2.34
5	Geodetic head m		PH value	
6	Inlet pressure (pin) kPa	0	Density kg/m³	998.3
7	Available system NPSH		Solids Weight %	0
8	Ambient temperature °C	20		

Pump

9	Pump Name	3LP4 80-200/4R	Frequency Hz	50
10	Design	CENTRIFUGAL PUMPS	Installation type	STANDARD
11	Manufacturer	EBARA	Impeller Diameter	Max. mm 211
12	Speed rpm	1400		Designed mm 211
13	No. of Stage	1		Min. mm 211
14	Connection Suction side	DIN 2532	Flow	Operating m³/h
15	Connection Discharge side	DIN 2532		Max- m³/h 132
16	Max Working Pressure kPa	1000		Min- m³/h 36
17	Shut-off head kPa	144.91	Head	Operating m
18	Total weight kg	See the table of "Dimensions".		- (Qmax.) m 5.6
19	Shaft power kW			- (Qmin.) m 14.4
20			Max. Shaft Power at max. impeller kW	3.50
21	Required pump NPSH m		Efficiency %	

Materials

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

Motor

28	Manufacturer	LAFERT	Insulation class	F
29	Type	TEFC_3LP480-200/4R_230_Three Phase	Phases	3~
30	Specific design	IE3 / 50 Hz / Pole pairs 2	Frame size	112 M
31	Rated power kW	4	Weight kg	
32	Number of poles	4	Electric voltage V	230
33	Speed rpm	1400	Electric current A	14.2
34	Degree of protection	IP 55		
35				

Remarks

Performance Curve

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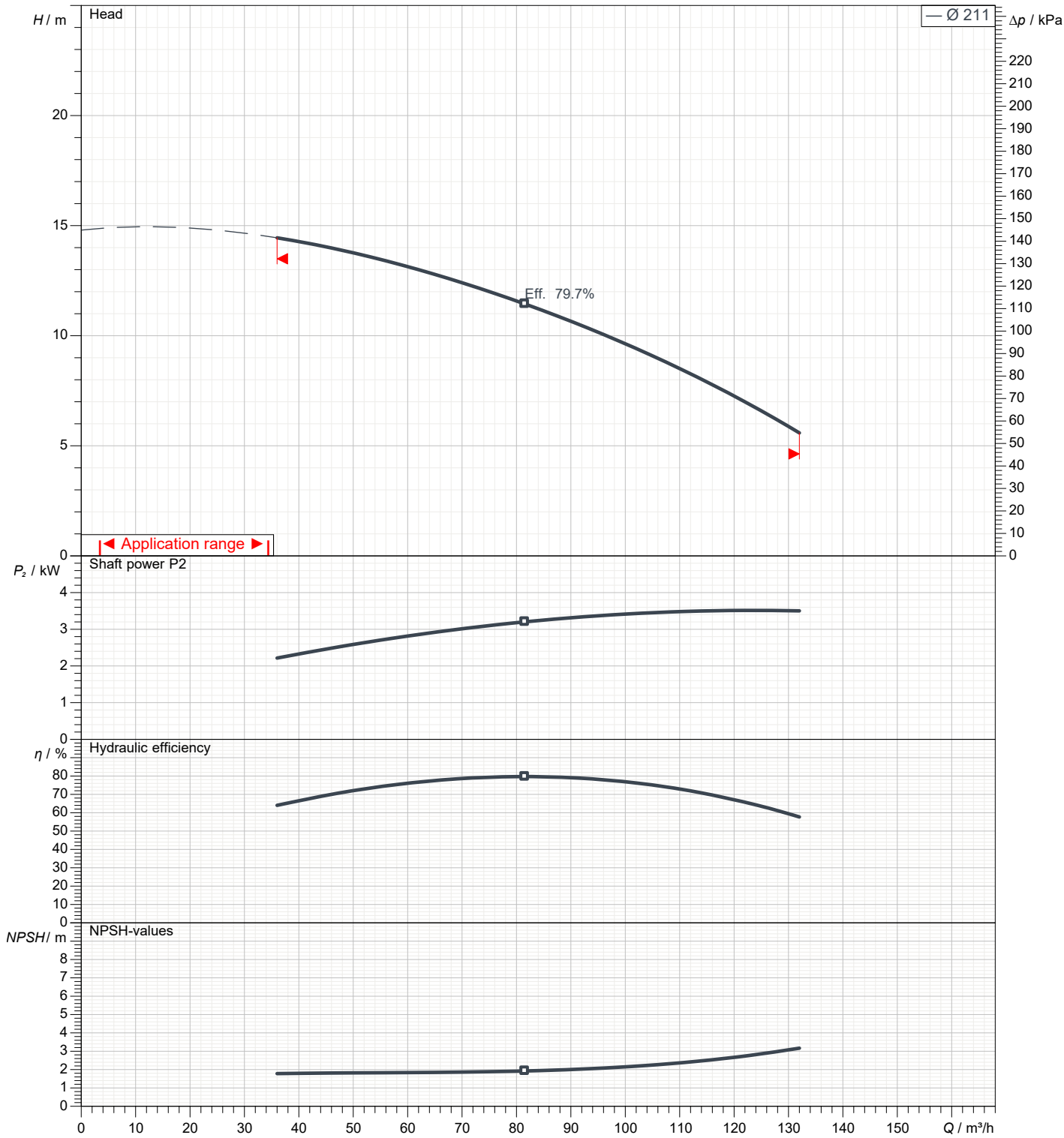
1	Flow	m³/h	
2	Head	m	
3	Geodetic head	m	

Pump

Operating flow	m³/h		Frequency	Hz	50
Operating head	m		Number of poles		4
Impeller diameter designed	mm	211	Speed	rpm	1400

Test standard: ISO 9906:2012 - Grade3B

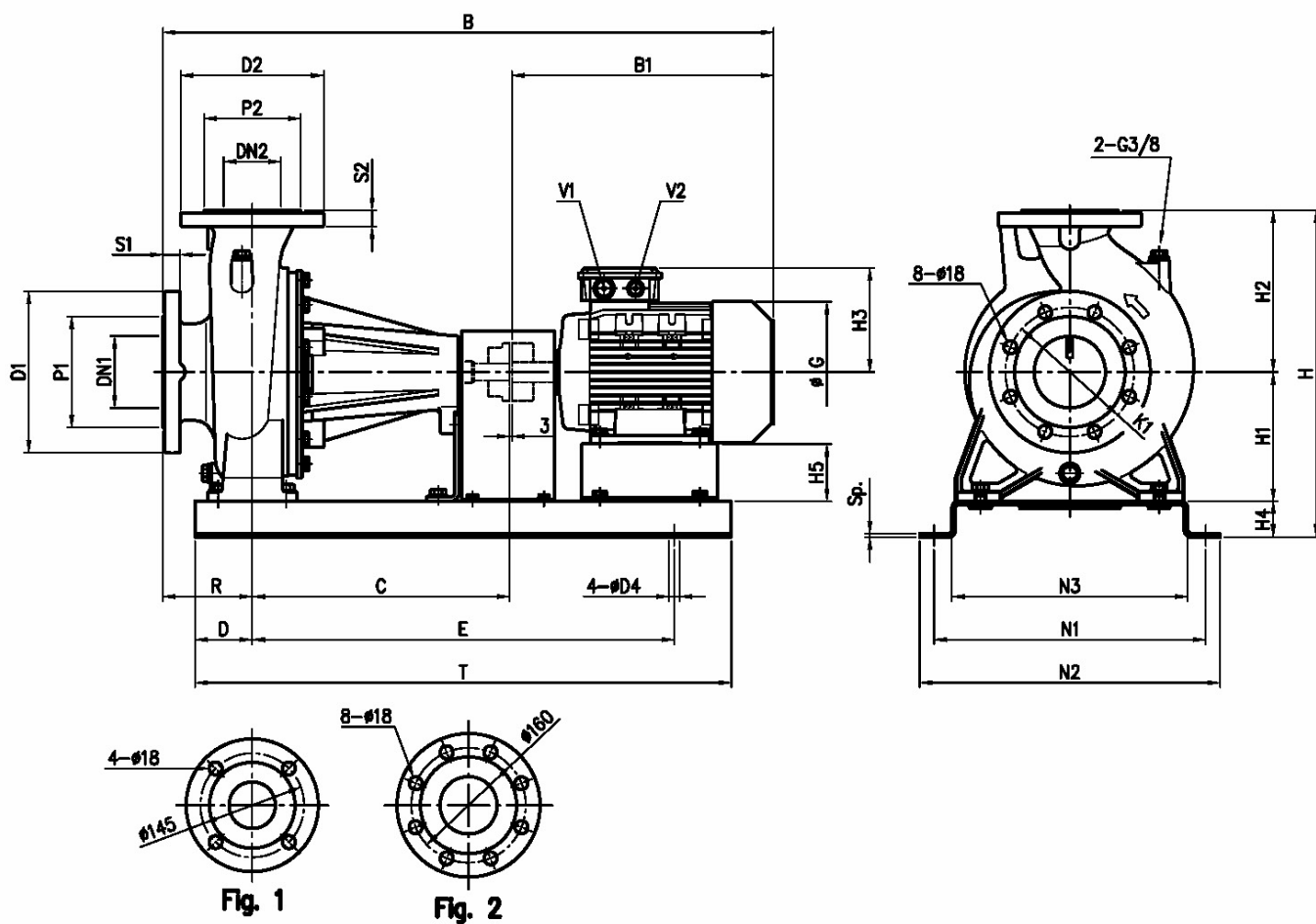
Water; 20°C; 998.3kg/m³; 1cSt



Dimensions

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Dimensions in mm							
1	B	986	H2	250			
2	B1	388	H3	171			
3	C	470	H4	60			
4	D	100	H5	68			
5	D4	19	N1	460			
6	Dia D1	225	N2	520			
7	Dia D2	200	N3	390			
8	Dia DN1	100	R	125			
9	Dia DN2	80 Fig. 2	S1	24			
10	Dia P1	155	S2	22			
11	Dia P2	135	SP	8			
12	E	700	T	900			
13	G	225	V1	M25X1,5			
14	H	490	V2	[M20X1,].5			
15	H1	180	Weight P&M	122,1 kg			

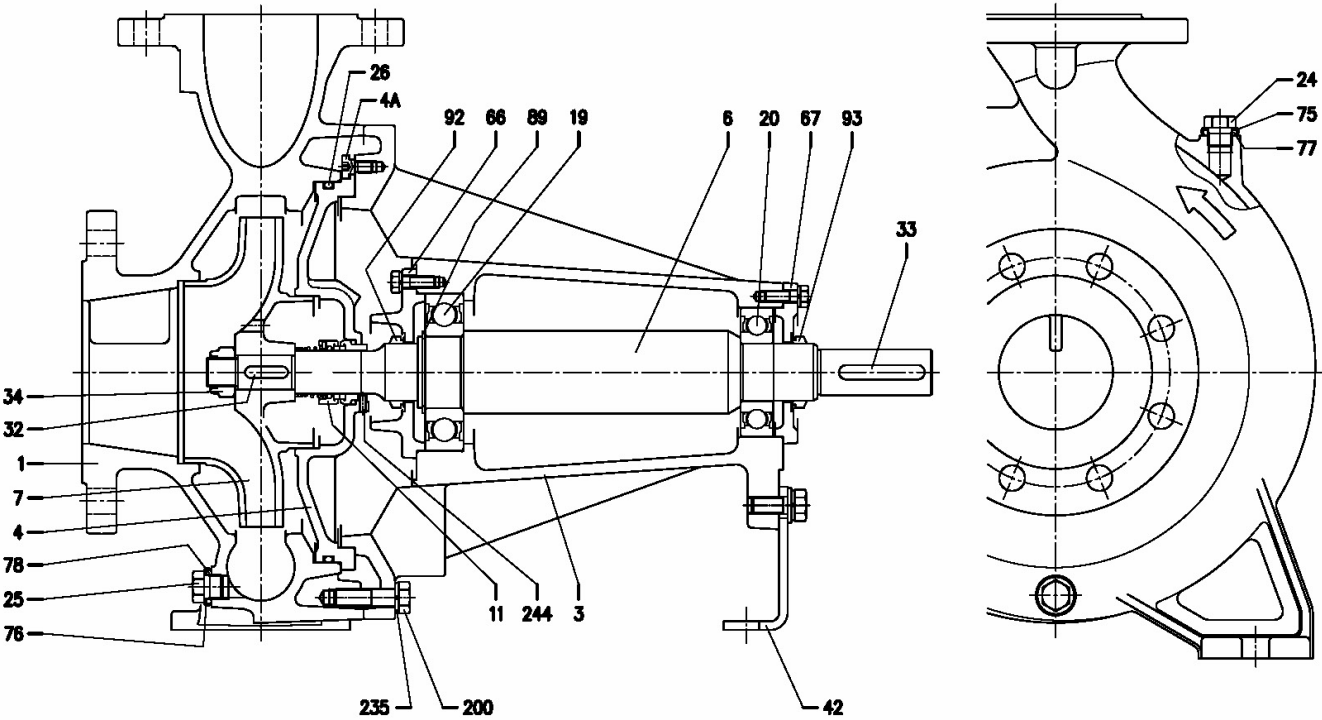
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Construction

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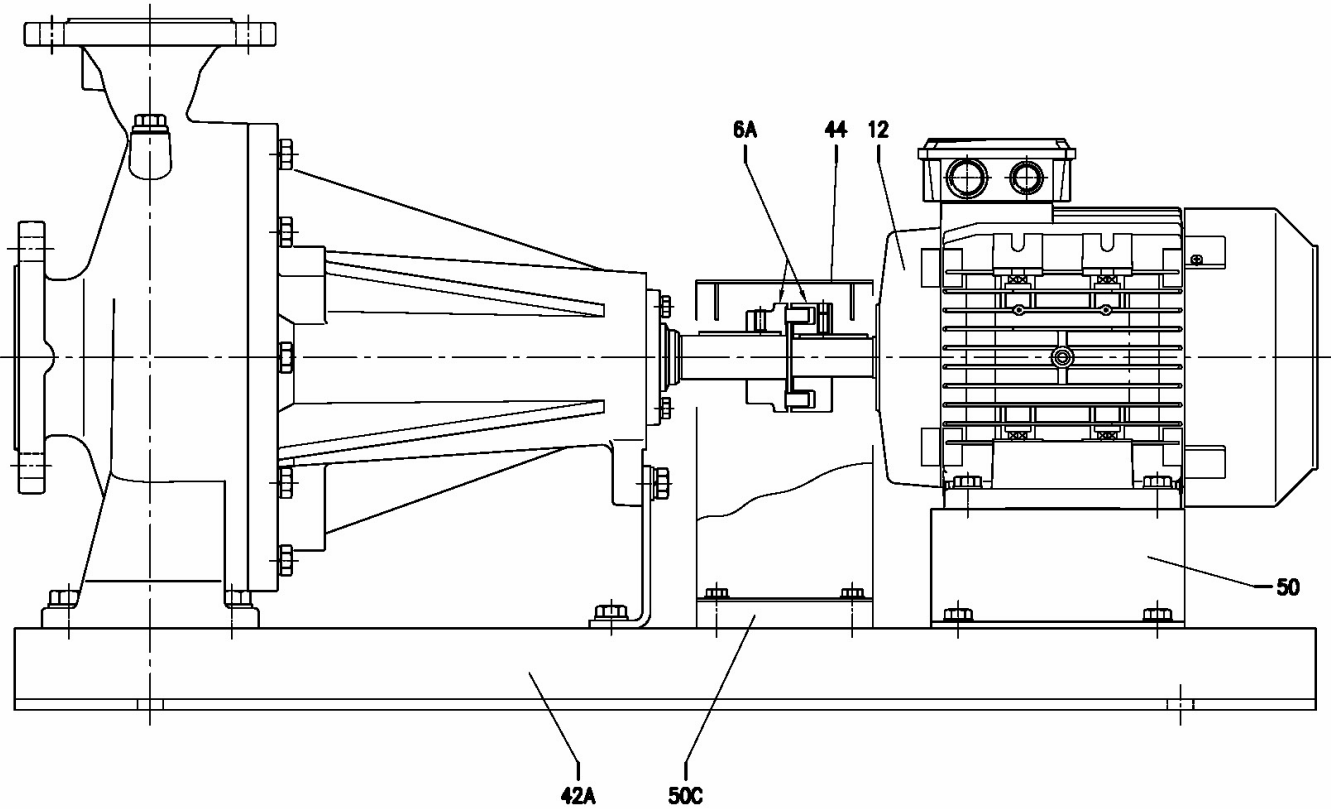
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Construction

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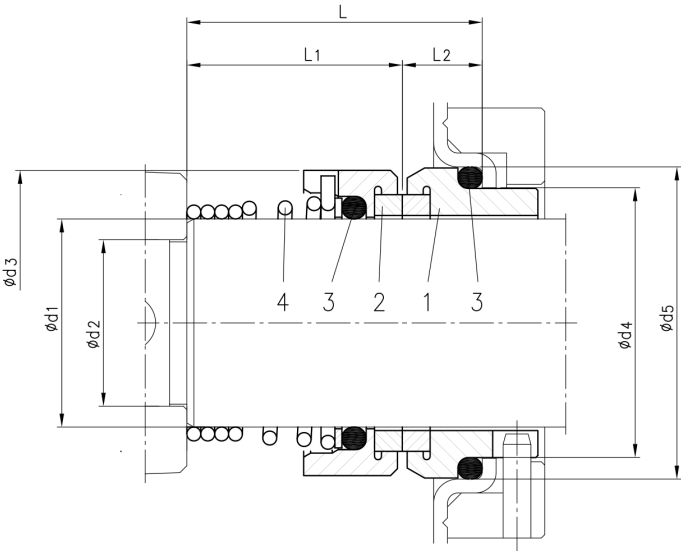
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Version	Pump type	Dimensions								Material			
		d1	d2	d3	d4	d5	L	L1	L2	1 Stationary seal ring	2 Rotary seal ring	3 Rubber	4 Frame + spring
L ø30	65-250 80-200/250	30	24	44	39	45	42.5	31	11.5	SiC	SiC	FPM	EN 1.4571 (AISI 316Ti)