

Technical Data

Pump Name

3LP 50-200/11

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	3LP 50-200/11	Frequency Hz	50
10	Design	CENTRIFUGAL PUMPS	Installation type	STANDARD
11	Manufacturer	EBARA	Impeller Diameter	Max. mm 200
12	Speed rpm	2900		Designed mm 200
13	No. of Stage	1		Min. mm 200
14	Connection Suction side	DIN 2532	Flow	Operating m³/h
15	Connection Discharge side	DIN 2532		Max- m³/h 72
16	Max Working Pressure kPa	1000		Min- m³/h 30
17	Shut-off head kPa	577.80	Head	Operating m
18	Total weight kg	See the table of "Dimensions".		- (Qmax.) m 42.0
19	Shaft power kW			- (Qmin.) m 56.0
20			Max. Shaft Power at max. impeller kW	11.16
21	Required pump NPSH m		Efficiency %	

Materials

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

Motor

28	Manufacturer	LAFERT	Insulation class	F
29	Type	TEFC_3P50-200/11_400_Three Phase	Phases	3~
30	Specific design	IE3 / 50 Hz / Pole pairs 1	Frame size	160M
31	Rated power kW	11	Weight kg	87.8
32	Number of poles	2	Electric voltage V	400
33	Speed rpm	2900	Electric current A	19.7
34	Degree of protection			
35				

Remarks

Performance Curve

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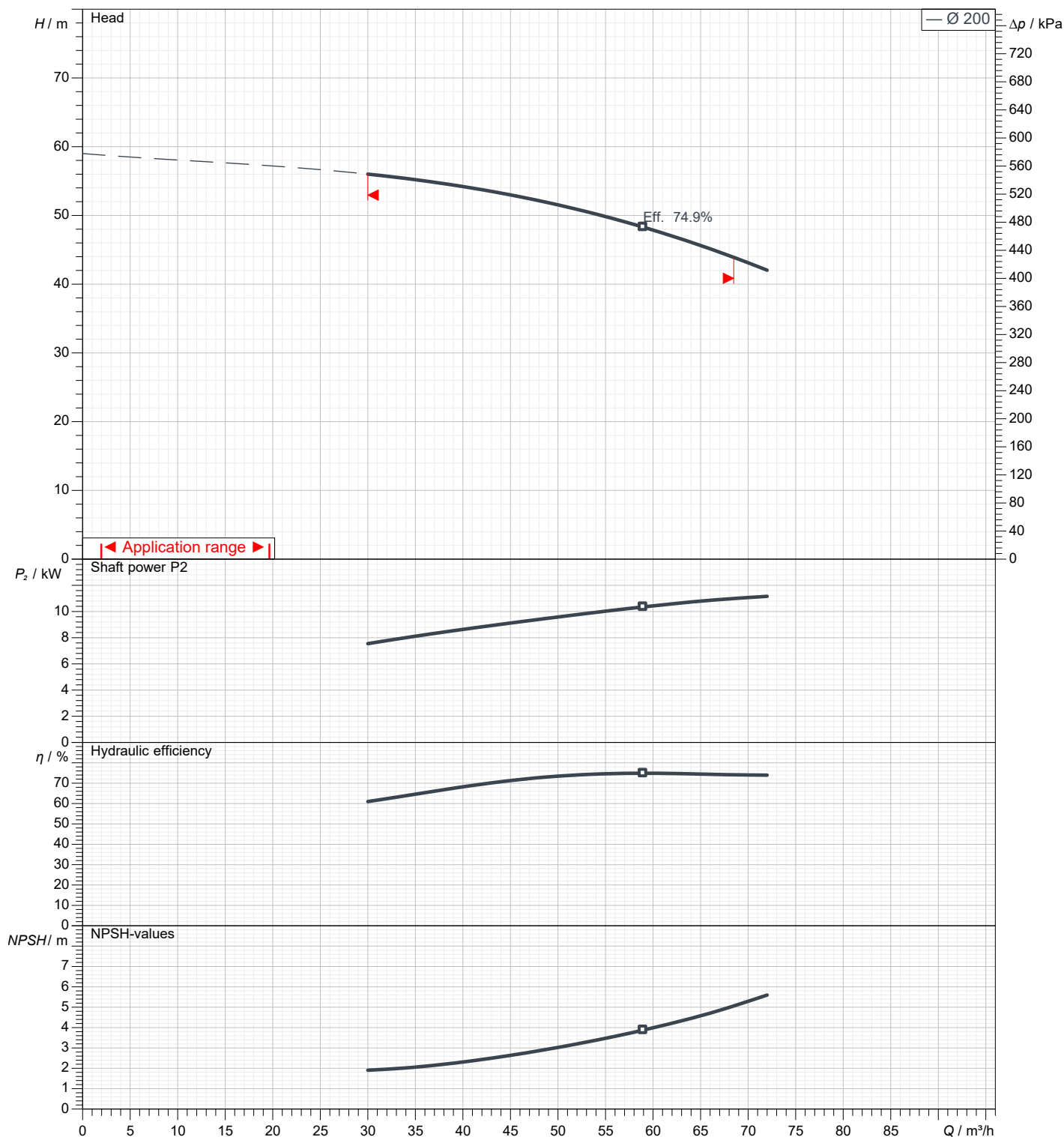
1	Flow	m³/h	
2	Head	m	
3	Geodetic head	m	

Pump

Operating flow	m³/h		Frequency	Hz	50
Operating head	m		Number of poles		2
Impeller diameter designed	mm	200	Speed	rpm	2900

Test standard: ISO 9906:2012 - Grade3B

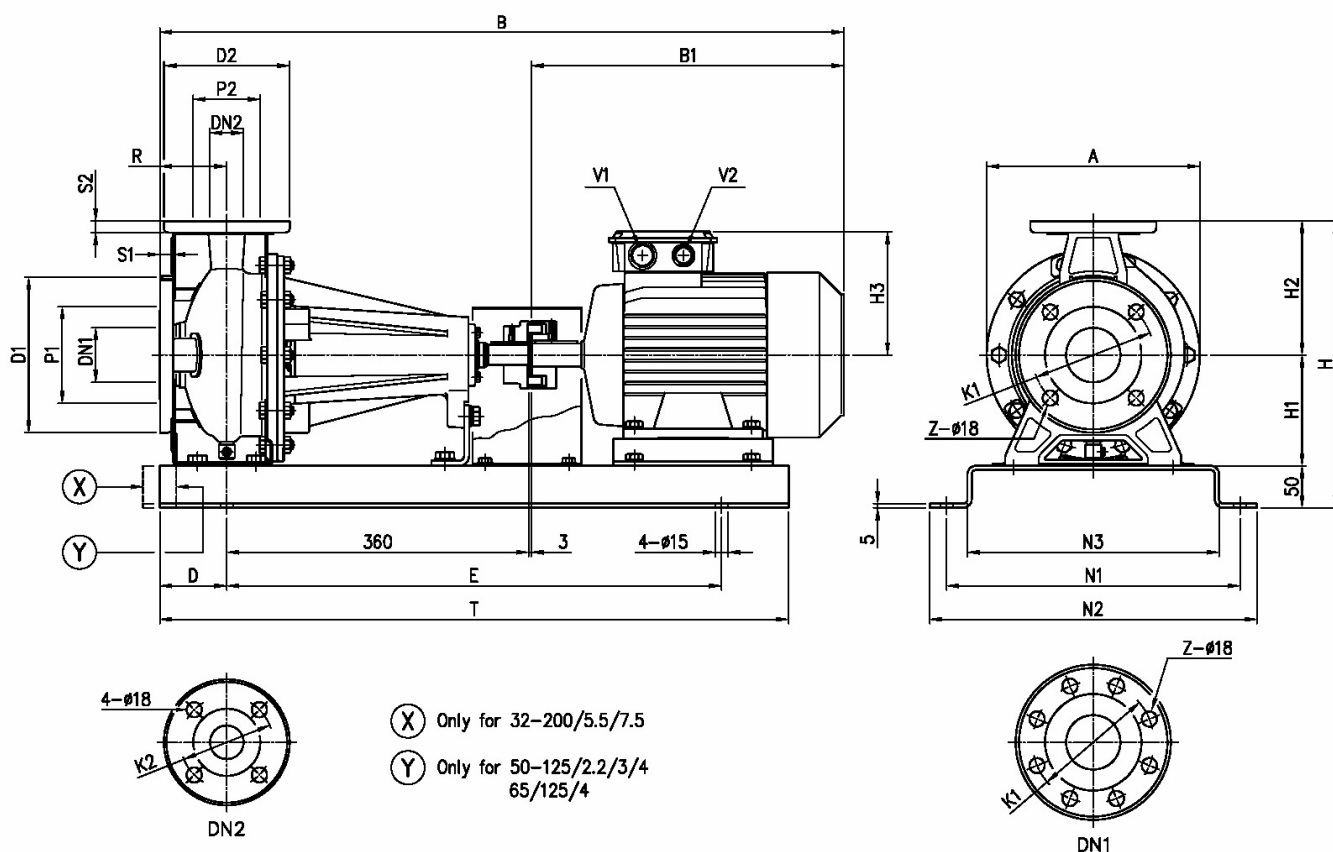
Water; 20°C; 998.3kg/m³; 1cSt



Dimensions

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Dimensions in mm							
1	A	296	H2	200			
2	B	1071	H3	238			
3	B1	608	N1	380			
4	D	100	N2	420			
5	Dia D1	185	N3	330			
6	Dia D2	165	R	100			
7	Dia DN1	65	S1	16			
8	Dia DN2	50	S2	16			
9	Dia K1	145	T	1000			
10	Dia K2	125	V1	[M40x1].5			
11	Dia P1	115	V2	[M40x1].5			
12	Dia P2	95	Weight P&M	[128].3 kg			
13	E	800	Z	4			
14	H	410					
15	H1	160					

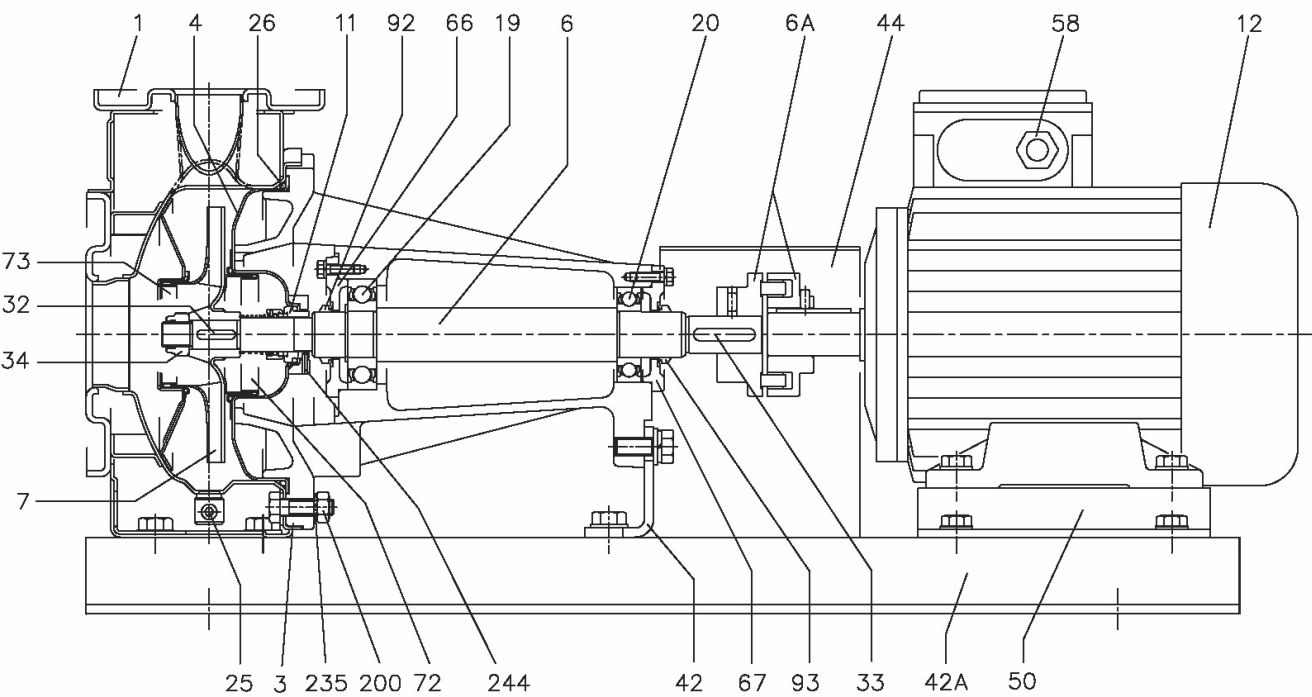
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Construction

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Construction

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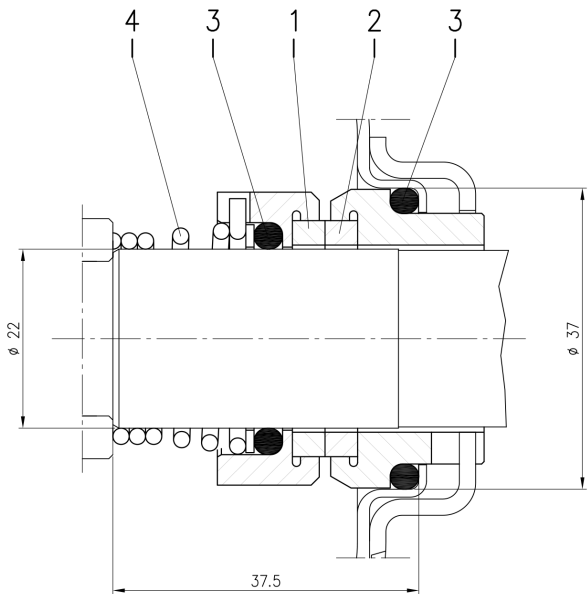
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Version	Pump type	Material			
		1 Stationary seal ring	2 Rotary seal ring	3 Rubber	4 Frame + spring
L ø22	32-125/160/200 40-125/160/200 50-125/160/200 65-125 65-160/7.5-9.2-11	SiC	SiC	FPM	EN 1.4571 (AISI 316Ti)