

Technical Data

Pump Name

LPCD 65-160/4.0 QQPFF

Customer	Date	2024-06-16	Company
Contact	Item no.		Issued by
Phone	Project		Phone
E-mail	Project ID	Proiect redenumit 2024-06-16 15:45:44	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	Density	kg/m³	998.3
7	Available system NPSH		Solids	Weight %	0
8	Ambient temperature	°C	20		

Pump

9	Pump Name	LPCD 65-160/4.0 QQPFF	Frequency	Hz	50		
10	Design	CENTRIFUGAL PUMPS	Installation type		STANDARD		
11	Manufacturer	EBARA	Impeller Diameter	Max.	mm	150	
12	Speed	rpm		2900	Designed	mm	150
13	No. of Stage	1		Min.	mm	150	
14	Connection	Suction side	Flow	Operating	m³/h		
15	Connection	Discharge side		Max-	m³/h	54	
16	Max Working Pressure	bar		10	Min-	m³/h	13
17	Shut-off head	bar	2.69	Head	Operating	m	
18	Total weight	kg	See the table of "Dimensions".		- (Qmax.)	m	17.7
19	Shaft power	kW			- (Qmin.)	m	27.3
20				Max. Shaft Power at max. impeller	kW	3.88	
21	Required pump NPSH	m		Efficiency	%		

Materials

22	Impeller	EN-GJL-200		
23	Intermediate casing	EN-GJL-200		
24	Bottom casing	EN-GJL-200		
25	Shaft	Stainless steel		
26	Gasket	AF1600		
27				

Motor

28	Manufacturer	LAFERT	Insulation class	F		
29	Type	TEFC_LPCD 65-160/4.0_230_Three Phase	Phases	3~		
30	Specific design	IE3 / 50 Hz / Pole pairs 1	Frame size	100		
31	Rated power	kW	4	Weight	kg	26.5
32	Number of poles	2	Electric voltage	V	230	
33	Speed	rpm	2900	Electric current	A	13.9
34	Degree of protection	IP 55				
35						

Remarks

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Performance Curve

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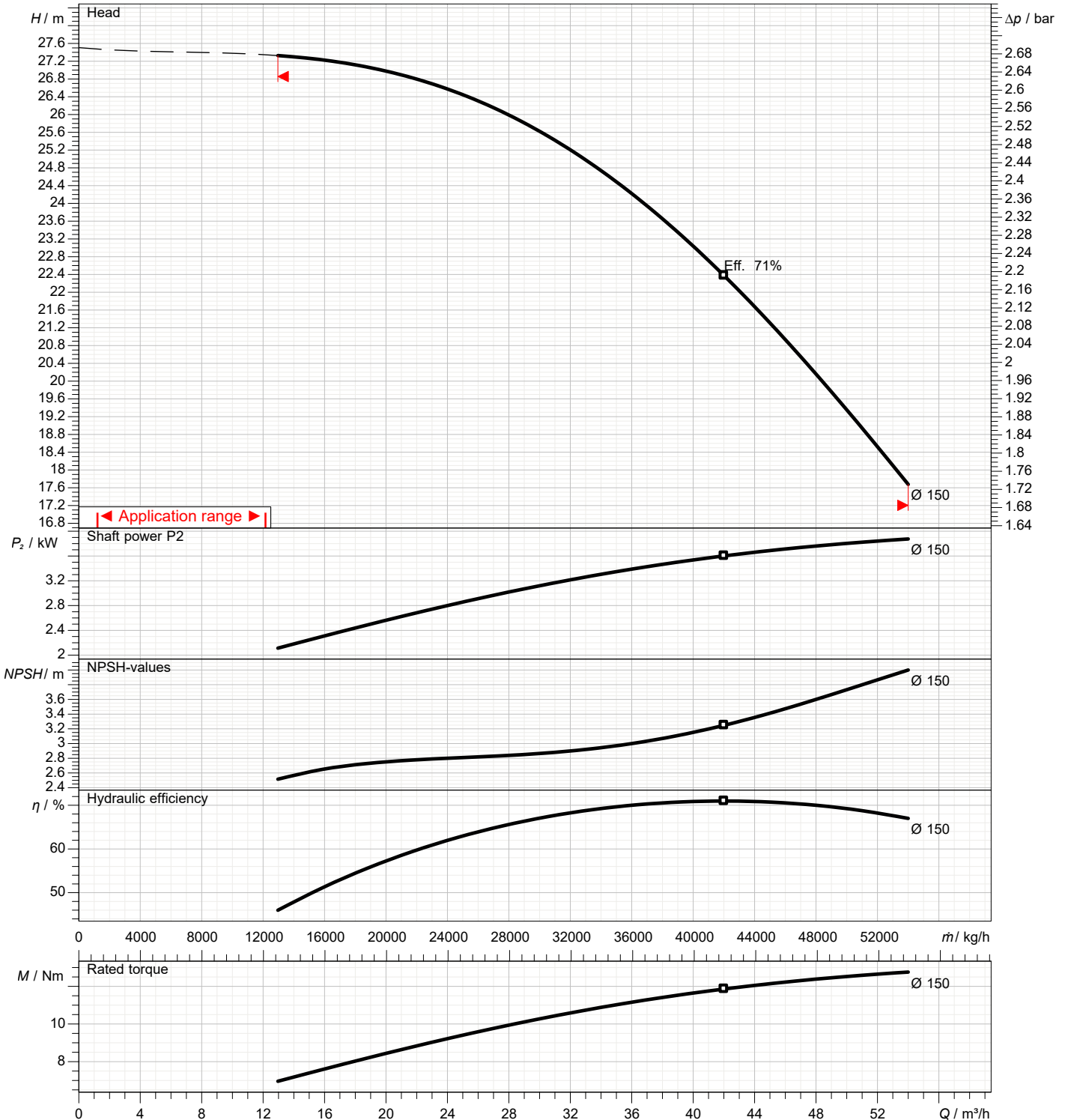
1	Flow	m³/h	
2	Head	m	
3	Geodetic head	m	

Pump

Operating flow	m³/h		Frequency	Hz	50
Operating head	m		Number of poles		2
Impeller diameter designed	mm	150	Speed	rpm	2900

Test standard: ISO 9906:2012 - Grade3B

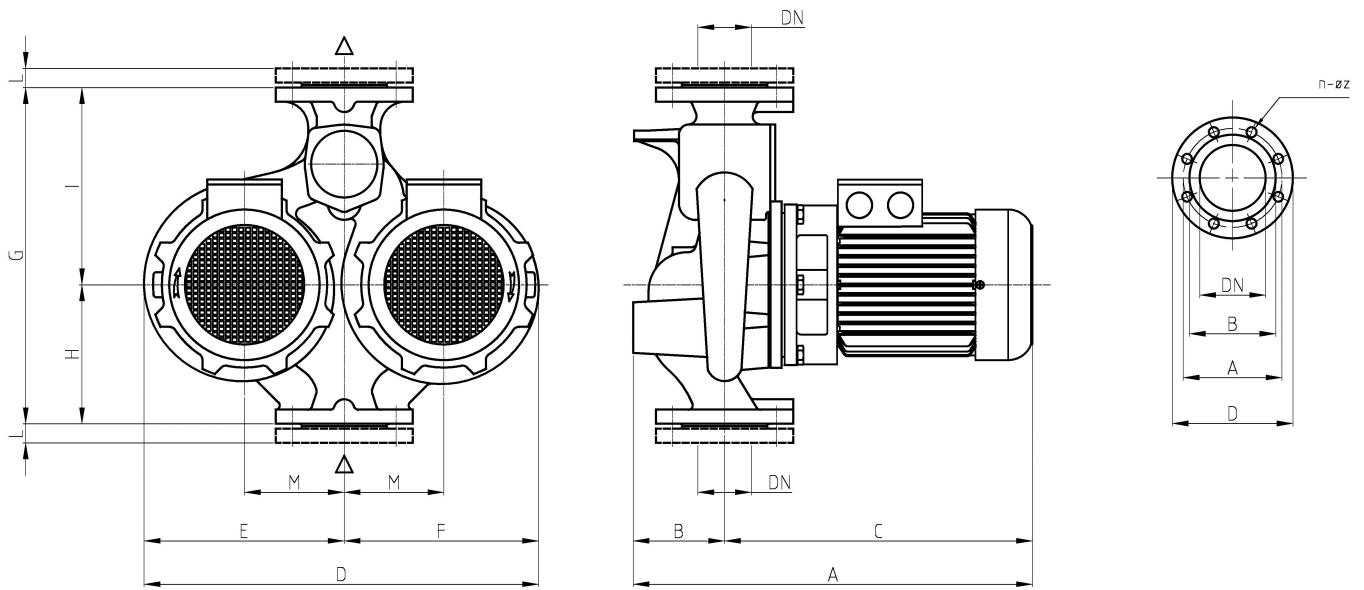
Water; 20°C; 998.3kg/m³; 1mm²/s



Dimensions

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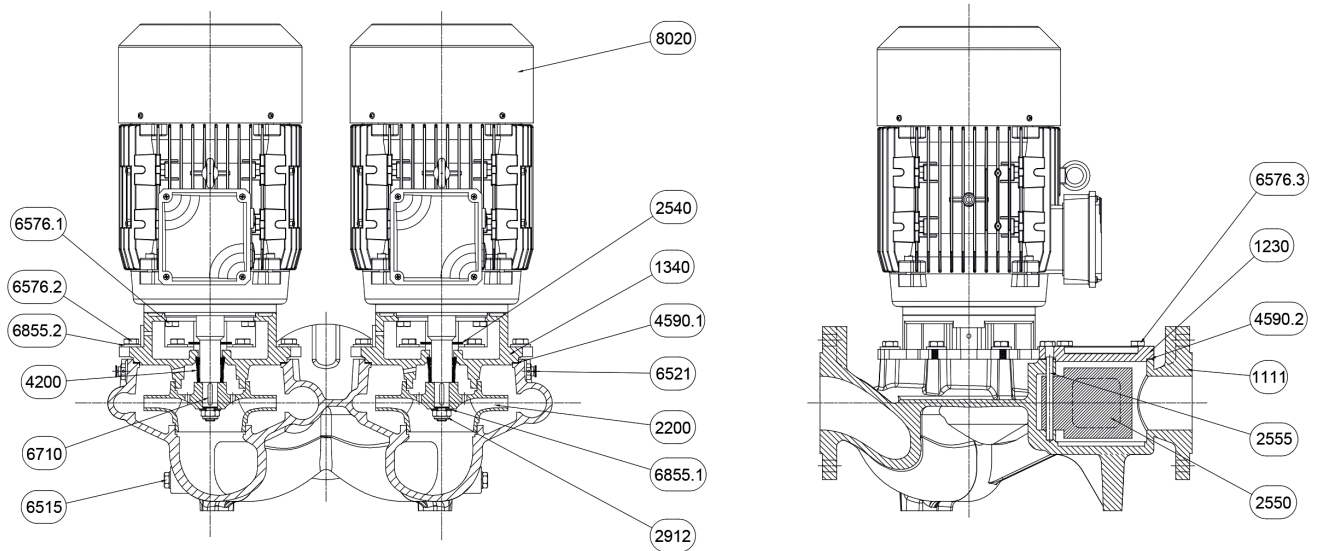
Dimensions in		mm						
1	A	550	L	22				
2	B	130	M	140				
3	C	420	Weight P&M	101 kg				
4	D	543						
5	Dia A	145						
6	Dia B	122						
7	Dia D	185						
8	Dia DN	65						
9	Dia n	4						
10	Dia Z	18						
11	E	275						
12	F	268						
13	G	450						
14	H	180						
15	I	270						

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Construction

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N°	PART NAME	MATERIAL	Q.TY
1111	Pump casing	EN-GJL-200	1
1230	Inspection cover	EN-GJL-200	1
1340	Latern-Cover	EN-GJL-200	2
2200	Impeller	EN-GJL-200	2
2540	Baffle	NB 70	2
2550	Shutter	EPDM 70	1
2555	Shutter pivot	AISI 420	1
2912	Impeller nut	6.8-ZN	2
4200	Mechanical seal	Sic/Sic/NBR/AISI 304	2
4590.1	Gasket	AF 1600	2
4590.2	Gasket	AF 1600	1
6515	Drain plug	EN-GJMB-350-10	2
6521	Vent valve	CW509L	2
6376.1	Hexagonal head screw	8.8-ZN	8
6376.2	Hexagonal head screw	8.8-ZN	16
6372.3	Hexagonal head screw	8.8-ZN	4
6710	Key	C50	2
6855.1	Impeller washer	R40-ZN	2
6855.2	Washer	R40-ZN	16
8020	Motor		2

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Ref.	Name	Material
A	Rotary seal ring	Carbon
B	Stationary seal ring	Silicon Carbide
C	Gasket	EPDM
D	Bellows	EPDM
E	Spring plate	AISI 304
F	Spring	AISI 304
G	Spring plate	AISI 304