

Technical Data

Pump Name

LPC 100-200/226 QQPFF

Customer	Date	2024-07-02	Company
Contact	Item no.		Issued by
Phone	Project		Phone
E-mail	Project ID	Proiect redenumit 2024-07-02 22:34:28	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	LPC 100-200/226 QQPFF	Frequency Hz	60
10	Design	CENTRIFUGAL PUMPS	Installation type	STANDARD
11	Manufacturer	EBARA	Impeller Diameter	Max. mm 164
12	Speed rpm	3500		Designed mm 164
13	No. of Stage	1		Min. mm 164
14	Connection Suction side		Flow	Operating m³/h
15	Connection Discharge side			Max- m³/h 180
16	Max Working Pressure bar	10		Min- m³/h 45
17	Shut-off head bar	4.62	Head	Operating m
18	Total weight kg	See the table of "Dimensions".		- (Qmax.) m 34.0
19	Shaft power kW			- (Qmin.) m 47.1
20			Max. Shaft Power at max. impeller kW	21.28
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_LPC 100-200/226_460_Three Phase	Phases	3~
30	Specific design	IE3 / 60 Hz / Pole pairs 1	Frame size	160
31	Rated power kW	22	Weight kg	104
32	Number of poles	2	Electric voltage V	460
33	Speed rpm	3540	Electric current A	35.5
34	Degree of protection	IP 55		
35				

Remarks

Performance Curve

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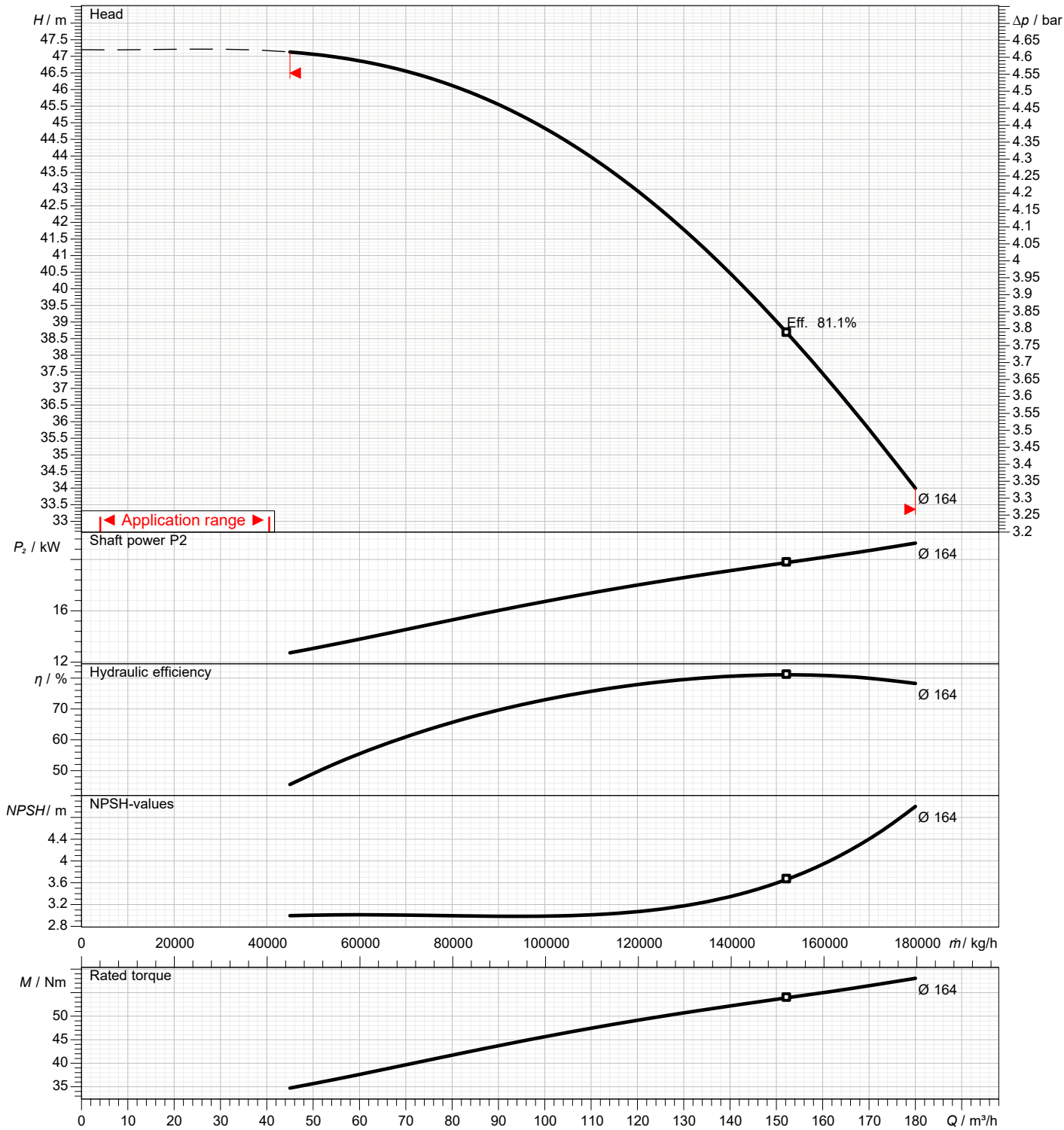
1	Flow	m³/h	
2	Head	m	
3	Geodetic head	m	

Pump

Operating flow	m³/h		Frequency	Hz	60
Operating head	m		Number of poles		2
Impeller diameter designed	mm	164	Speed	rpm	3500

Test standard: ISO 9906:2012 - Grade3B

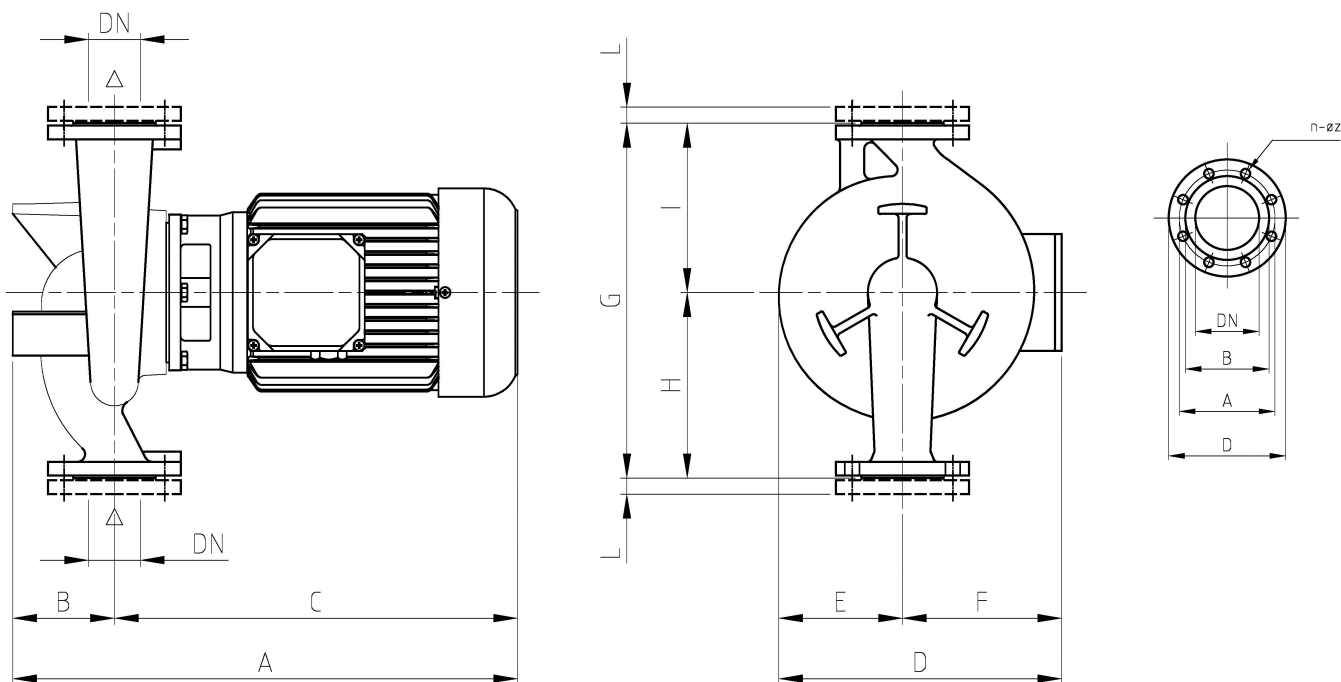
Water; 20°C; 998.3kg/m³; 1mm²/s



Dimensions

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Dimensions in mm							
1	A	929	L Weight P&M	26			
2	B	190		150 kg			
3	C	739					
4	D	394					
5	Dia A	180					
6	Dia B	158					
7	Dia D	220					
8	Dia DN	100					
9	Dia n	8					
10	Dia Z	18					
11	E	156					
12	F	238					
13	G	550					
14	H	300					
15	I	250					

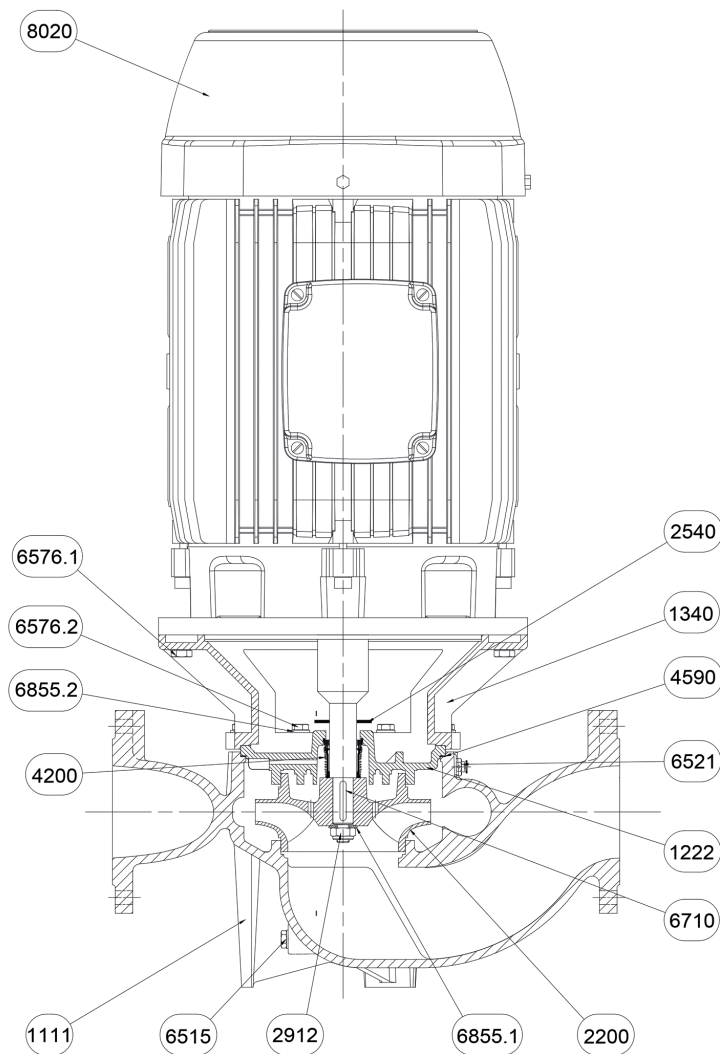
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Construction

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N°	PART NAME	MATERIAL	Q.TY
1111	Pump casing	EN-GJL-200	1
1222	Gland cover	EN-GJL-200	1
1340	Latern	EN-GJL-200	1
2200	Impeller	EN-GJL-200	1
2540	Baffle	NB 70	1
2912	Impeller nut	6.8-ZN	1
4200	Mechanica sela	Sic/Sic/NBR/AISI 304	1
4590	Gasket	AF 1600	1
6515	Drain plug	EN-GJMB-350-10	1
6521	Vent valve	CW509L	1
6576.1	Hexagonal head screw	8.8-ZN	4
6576.2	Hexagonal head screw	8.8-ZN	8
6710	Key	C50	1
6855.1	Impeller washer	R40-ZN	1
6855.2	Washer	R40-ZN	8
8020	Motor		1

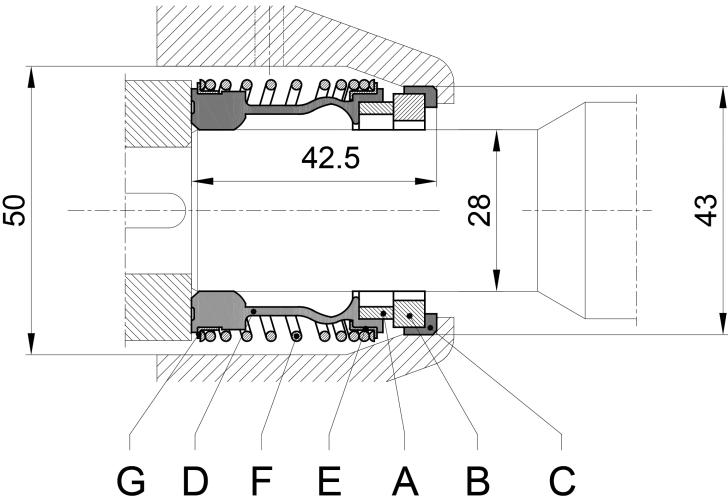
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Ref.	Name	Material
A	Rotary seal ring	Carbon
B	Stationary seal ring	Silicon Carbide
C	Gasket	EPDM
D	Bellows	EPDM
E	Spring plate	AISI 304
F	Spring	AISI 304
G	Spring plate	AISI 304