

# Technical Data

Pump Name

LPC 100-160/156 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 100-160/156 QQPFF	Frequency	Hz 60
10	Design	CENTRIFUGAL PUMPS	Installation type	STANDARD
11	Manufacturer	EBARA	Impeller Diameter	Max. mm 138
12	Speed rpm	3500		Designed mm 138
13	No. of Stage	1		Min. mm 138
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 47
17	Shut-off head bar	3.43	Head	Operating m
18	Total weight kg	See the table of "Dimensions".		- (Qmax.) m 24.3
19	Shaft power kW			- (Qmin.) m 34.3
20			Max. Shaft Power at max. impeller	kW 15.03
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 100-160/156_460_Three Phase	Phases	3~
30	Specific design	IE3 / 60 Hz / Pole pairs 1	Frame size	132
31	Rated power kW	15	Weight kg	68
32	Number of poles	2	Electric voltage V	460
33	Speed rpm	3525	Electric current A	23.3
34	Degree of protection	IP 55		
35				

## Remarks

# Performance Curve

Pump Name

LPC 100-160/156 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

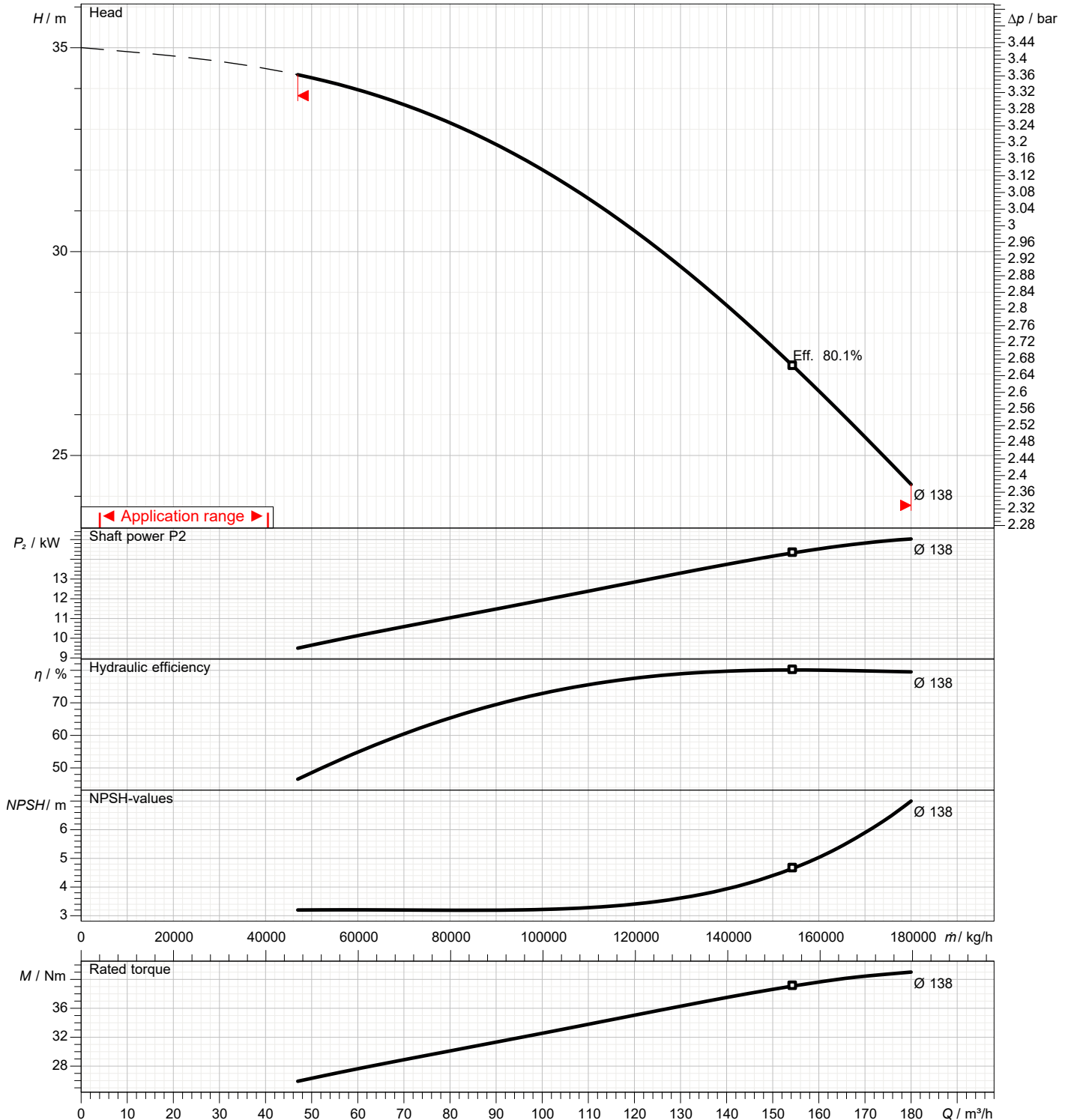
1	Flow	m³/h	
2	Head	m	
3	Geodetic head	m	

## Pump

Operating flow	m³/h		Frequency	Hz	60
Operating head	m		Number of poles		2
Impeller diameter designed	mm	138	Speed	rpm	3500

Test standard: ISO 9906:2012 - Grade3B

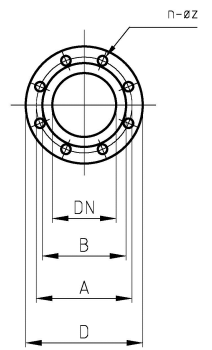
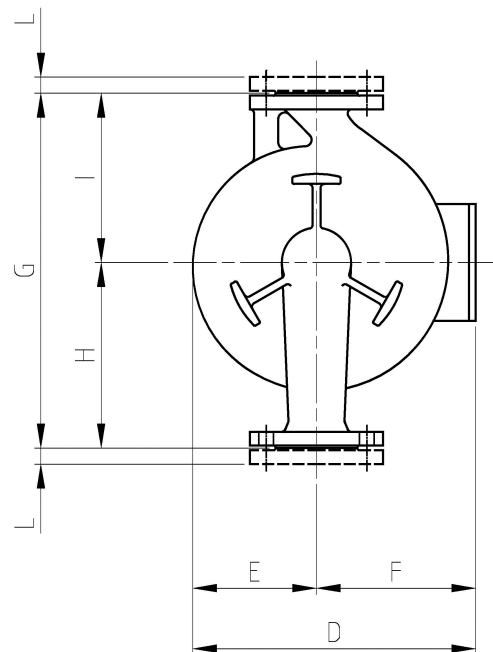
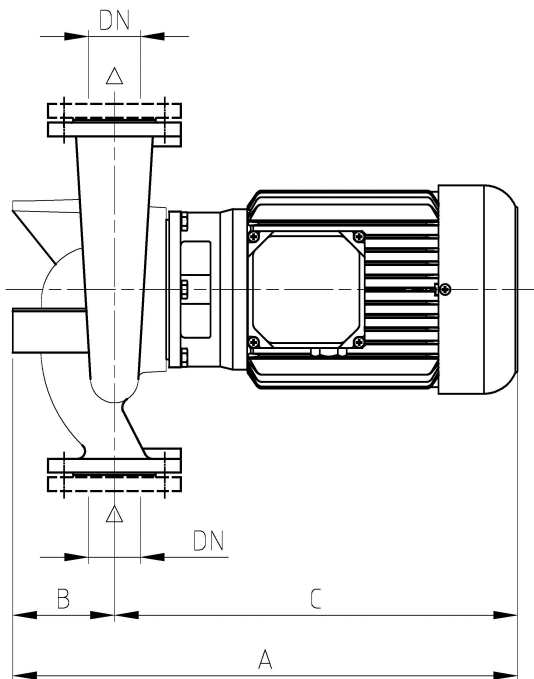
Water; 20°C; 998.3kg/m³; 1mm²/s



# Dimensions

Pump name **LPC 100-160/156 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

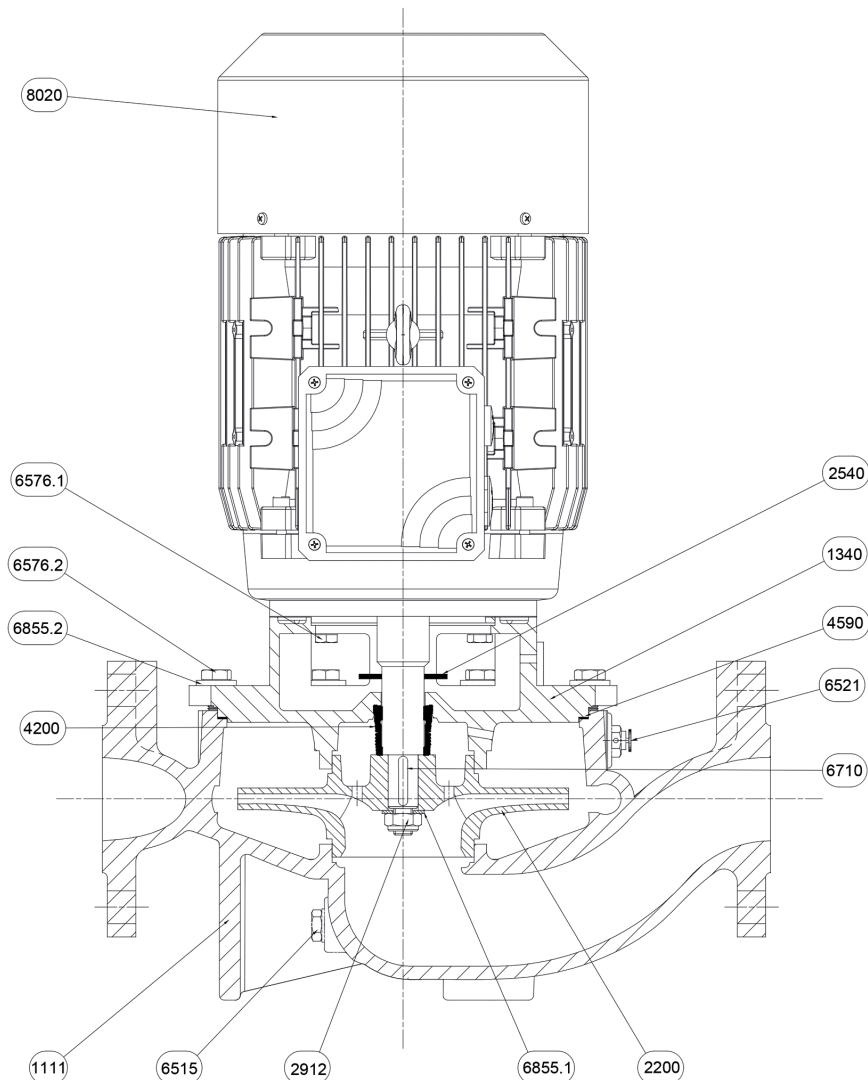


Dimensions in		mm							
1	A	800	L	Weight P&M	26	93 kg			
2	B	190							
3	C	610							
4	D	330							
5	Dia A	180							
6	Dia B	158							
7	Dia D	220							
8	Dia DN	100							
9	Dia n	8							
10	Dia Z	18							
11	E	136							
12	F	194							
13	G	525							
14	H	300							
15	I	225							

# (1/2) Construction

Pump name **LPC 100-160/156 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



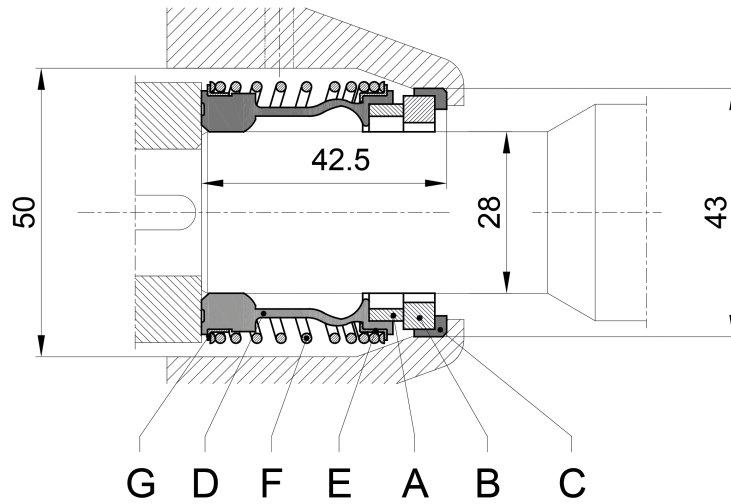
N°	PART NAME	MATERIAL	Q.TY
1111	Pump casing	EN-GJL-200	1
1340	Latern-Cover	EN-GJL-200	1
2200	Impeller	EN-GJL-200	1
2540	Baffle	NB 70	1
2912	Impeller nut	6.8-ZN	1
4200	Mechanical seal	Sic/Sic/NBR/AISI 304	1
4590	Gasket	AF 1600	1
6515	Drain plug	EN-GJMB-350-10	1
6521	Vent valve	CW509L	1
6576.1	Hexagonal 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

(2/2)

# Construction

Pump name LPC 100-160/156 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



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