Technical Data

Pump Name LPC4 40-200/1.16 QQPFF

Customer	Date	2024-07-02	Company
Contact	Item no.		Issued by
Phone	Project		Phone
E-mail	Project ID	Proiect redenumit 2024-07-02 22:34:23	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	LPC4 40-200/1.16 QQPFF	Frequency		Hz	60
10	Design	CENTRIFUGAL PUMPS	Installation type			STANDARD
11	Manufacturer	EBARA	Impeller Diameter	Max.	mm	192
12	Speed rpm	1750		Designed	mm	192
13	No. of Stage	1		Min.	mm	192
14	Connection Suction side		Flow	Operating	m³/h	
15	Connection Discharge side			Max-	m³/h	18
16	Max Working Pressure bar	10		Min-	m³/h	3.48
17	Shut-off head bar	1.47	Head	Operating	m	
18	Total weight kg	See the table of "Dimensions".		- (Qmax.)	m	8.0
19	Shaft power kW			- (Qmin.)	m	14.7
20			Max. Shaft Power at max. impeller		kW	0.86
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	ICME	Insulation class		F
29	Type	TEFC_LPC4 40-200/1.16_265_Three Phase	Phases		3~
30	Specific design	IE1 / 60 Hz / Pole pairs 2	Frame size		90
31	Rated power kW	1.1	Weight	kg	14
32	Number of poles	4	Electric voltage	V	265
33	Speed rpm	1704	Electric current	A	3.64
34	Degree of protection	IP 55			
35					

Remarks

EBARA

Performance Curve

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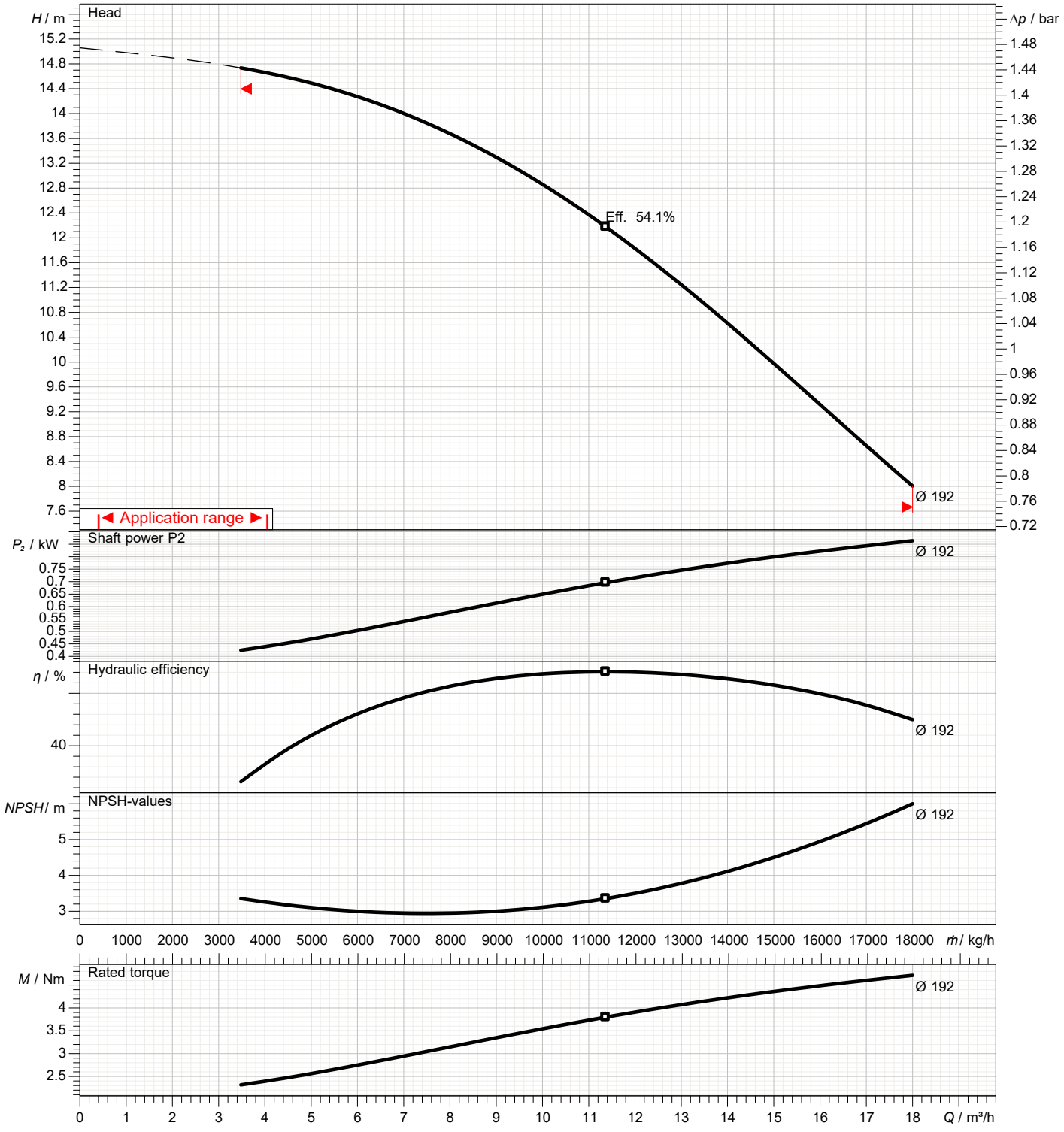
1	Flow	m³/h	
2	Head	m	
3	Geodetic head	m	

Pump

Operating flow	m³/h		Frequency	Hz	60
Operating head	m		Number of poles		4
Impeller diameter designed	mm	192	Speed	rpm	1750

Test standard: ISO 9906:2012 - Grade3B

Water; 20°C; 998.3kg/m³; 1mm²/s



Dimensions

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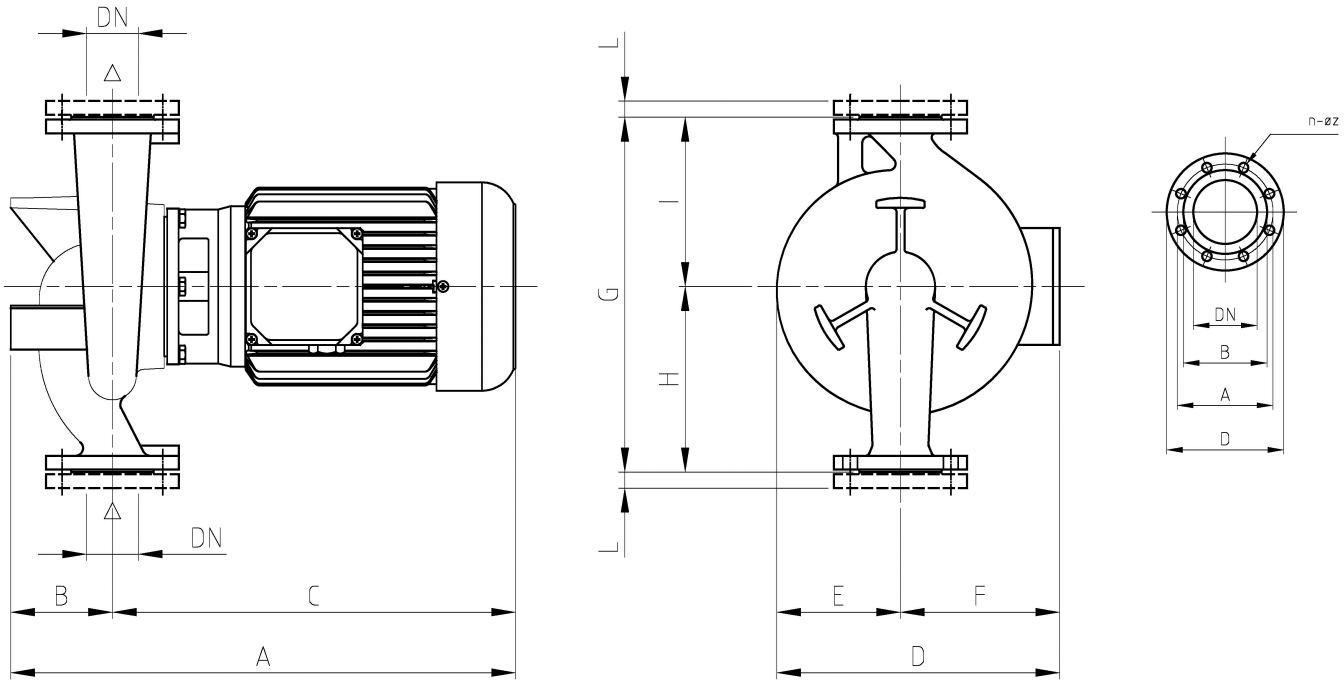

Dimensions in	mm							
1	A	481	L	20				
2	B	100	Weight P&M	37 kg				
3	C	381						
4	D	275						
5	Dia A	100						
6	Dia B	80						
7	Dia D	130						
8	Dia DN	40						
9	Dia n	4						
10	Dia Z	14						
11	E	127						
12	F	148						
13	G	380						
14	H	200						
15	I	180						

EBARA

(1/2)
Construction

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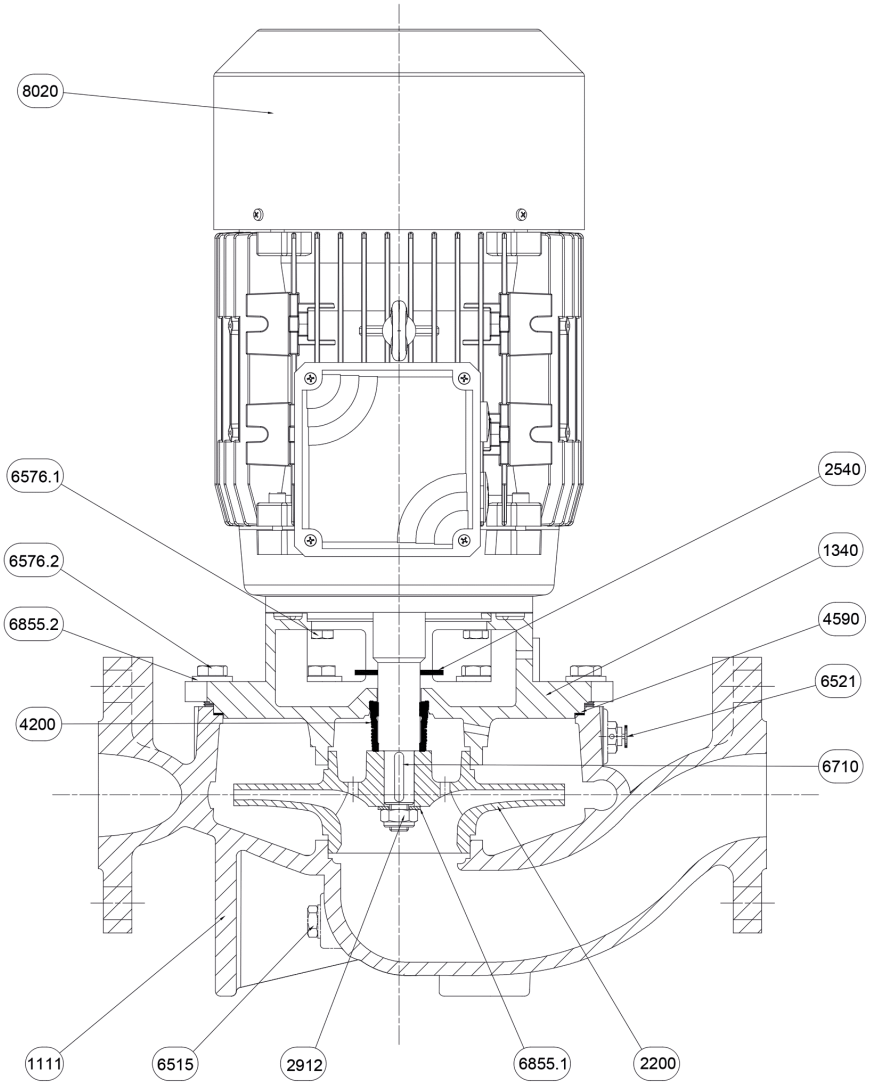

N°	PART NAME	MATERIAL	Q.TY
1111	Pump casing	EN-GJL-200	1
1340	Latern-Cover	EN-GJL-200	1
2200	Impeller	EN-GJL-200	1
2540	Baffle	NB 70	1
2912	Impeller nut	6.8-ZN	1
4200	Mechanical seal	Sic/Sic/NBR/AISI 304	1
4590	Gasket	AF 1600	1
6515	Drain plug	EN-GJMB-350-10	1
6521	Vent valve	CW509L	1
6576.1	Hexagonal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

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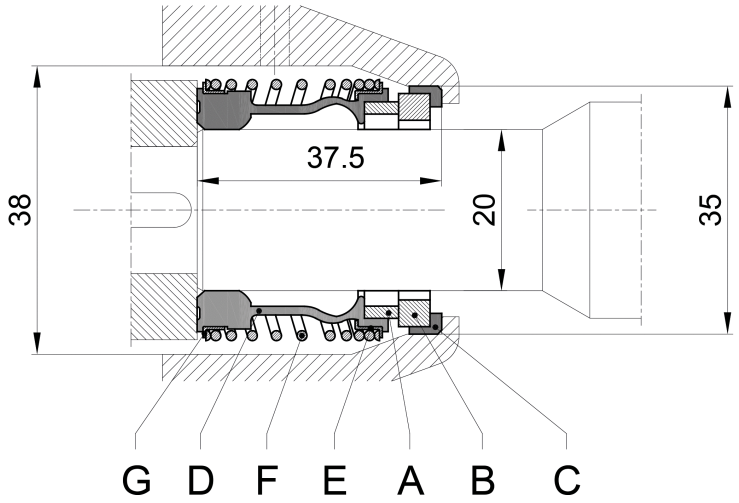

Ref.	Name	Material
A	Rotary seal ring	Carbon
B	Stationary seal ring	Silicon Carbide
C	Gasket	EPDM
D	Bellows	EPDM
E	Spring plate	AISI 304
F	Spring	AISI 304
G	Spring plate	AISI 304