

Technical Data

Pump Name

LPCD 40-125/1.16 QQPFF

Customer	Date	2024-07-02	Company
Contact	Item no.		Issued by
Phone	Project		Phone
E-mail	Project ID	Proiect redenumit 2024-07-02 22:34:28	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	LPCD 40-125/1.16 QQPFF	Frequency Hz	60
10	Design	CENTRIFUGAL PUMPS	Installation type	STANDARD
11	Manufacturer	EBARA	Impeller Diameter	Max. mm 112
12	Speed rpm	3500		Designed mm 112
13	No. of Stage	1		Min. mm 112
14	Connection Suction side		Flow	Operating m³/h
15	Connection Discharge side			Max- m³/h 21
16	Max Working Pressure bar	10		Min- m³/h 3.96
17	Shut-off head bar	2.11	Head	Operating m
18	Total weight kg	See the table of "Dimensions".		- (Qmax.) m 7.3
19	Shaft power kW			- (Qmin.) m 21.0
20			Max. Shaft Power at max. impeller kW	0.99
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

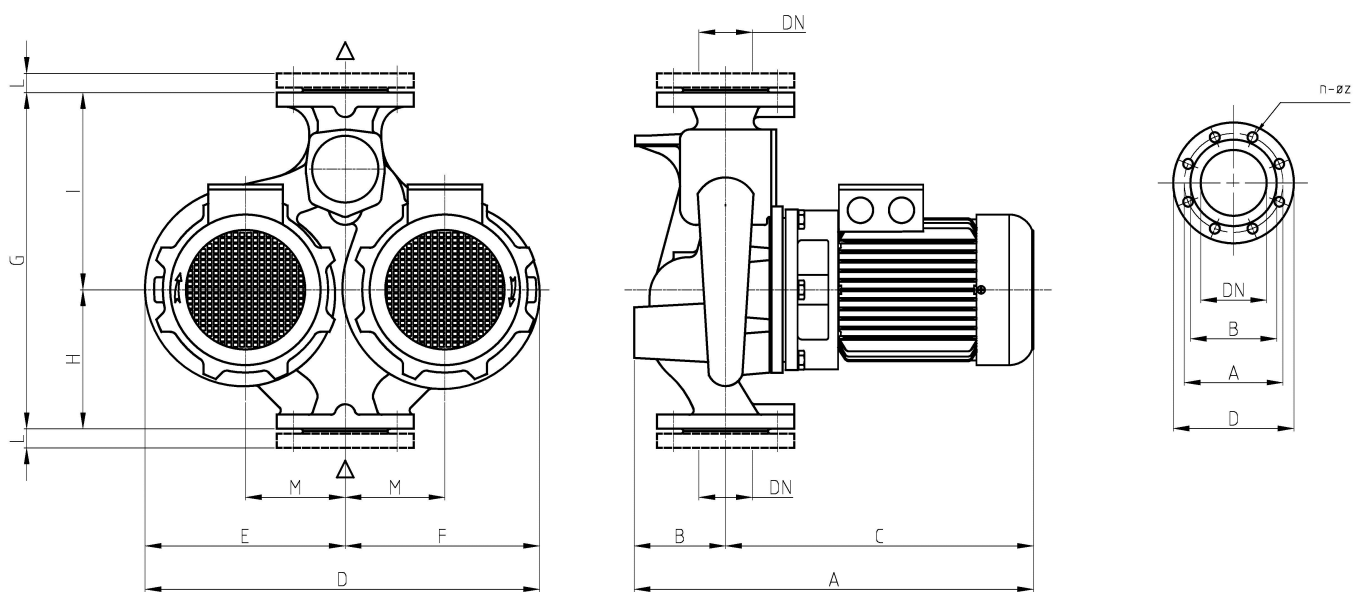
28	Manufacturer	ICME	Insulation class	F
29	Type	TEFC_LPCD 40-125/1.16_265_Three Phase	Phases	3~
30	Specific design	IE2 / 60 Hz / Pole pairs 1	Frame size	80
31	Rated power kW	1.1	Weight kg	
32	Number of poles	2	Electric voltage V	265
33	Speed rpm	3492	Electric current A	3.5
34	Degree of protection	IP 55		
35				

Remarks

Dimensions

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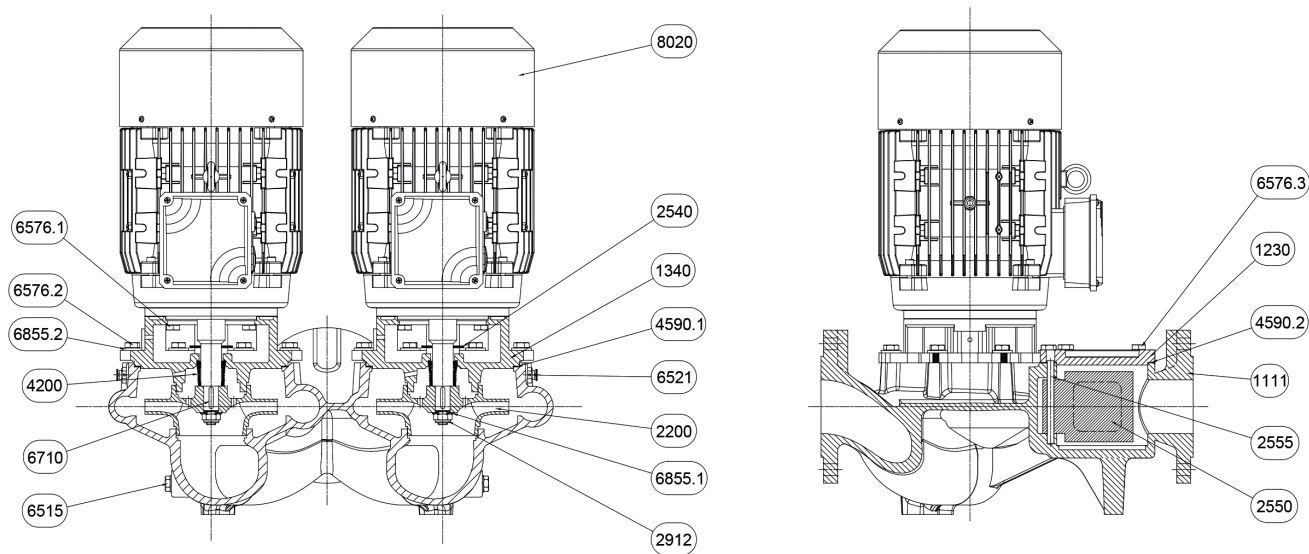


Dimensions in mm							
1	A	446	L	20			
2	B	100	M	100			
3	C	346	Weight P&M	55 kg			
4	D	397					
5	Dia A	110					
6	Dia B	88					
7	Dia D	150					
8	Dia DN	40					
9	Dia n	4					
10	Dia Z	18					
11	E	200					
12	F	197					
13	G	340					
14	H	130					
15	I	210					

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Construction

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N°	PART NAME	MATERIAL	Q.TY
1111	Pump casing	EN-GJL-200	1
1230	Ispection 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	8
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	8
8020	Motor		2

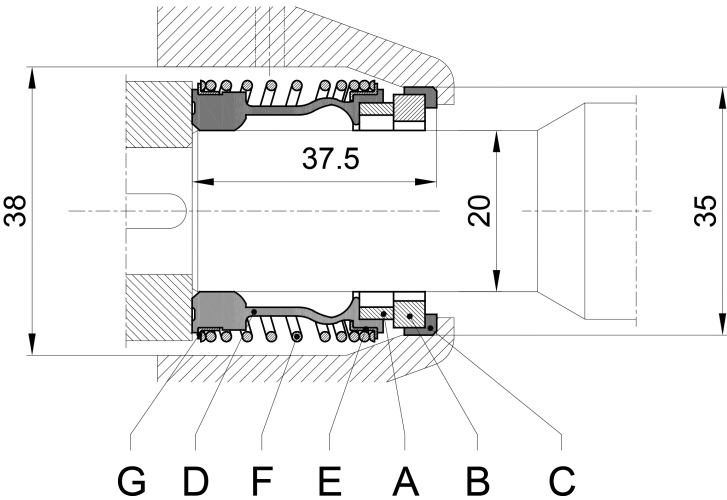
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Ref.	Name	Material
A	Rotary seal ring	Carbon
B	Stationary seal ring	Silicon Carbide
C	Gasket	EPDM
D	Bellows	EPDM
E	Spring plate	AISI 304
F	Spring	AISI 304
G	Spring plate	AISI 304