Technical Data

Pump Name JES 8

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	0	Density	kg/m³	998.3
7	Available system NPSH		Solids	Weight %	0
8	Ambient temperature °C	20			

Pump

9	Pump Name	JES 8	Frequency		Hz	50
10	Design	CENTRIFUGAL PUMPS	Installation type			STANDARD
11	Manufacturer	EBARA	Impeller Diameter	Max.	mm	110
12	Speed rpm	3000		Designed	mm	110
13	No. of Stage	1		Min.	mm	110
14	Connection Suction side	UNI ISO 228	Flow	Operating	m³/h	
15	Connection Discharge side	UNI ISO 228		Max-	m³/h	2.7
16	Max Working Pressure bar	6		Min-	m³/h	0.3
17	Shut-off head bar	4.11	Head	Operating	m	
18	Total weight kg	See the table of "Dimensions".		- (Qmax.)	m	16.0
19	Shaft power kW			- (Qmin.)	m	37.0
20			Max. Shaft Power at max. impeller		kW	
21	Required pump NPSH m		Efficiency		%	

Materials

22	Impeller	PPO mod. glass fibre reinforced		
23	Casing	AISI 304		
24	Shaft	AISI 303 (Wet extension)		
25				
26				
27				

Motor

28	Manufacturer	EPE Standard	Insulation class		F
29	Type	TEFC_JES 8_230_Three Phase	Phases		3~
30	Specific design	- / 50 Hz / Pole pairs 1	Frame size		
31	Rated power kW	0.6	Weight	kg	
32	Number of poles	2	Electric voltage	V	230
33	Speed rpm	3000	Electric current	A	2.25
34	Degree of protection	IP 44			
35					

Remarks

EBARA

Performance Curve

Pump Name JES 8

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

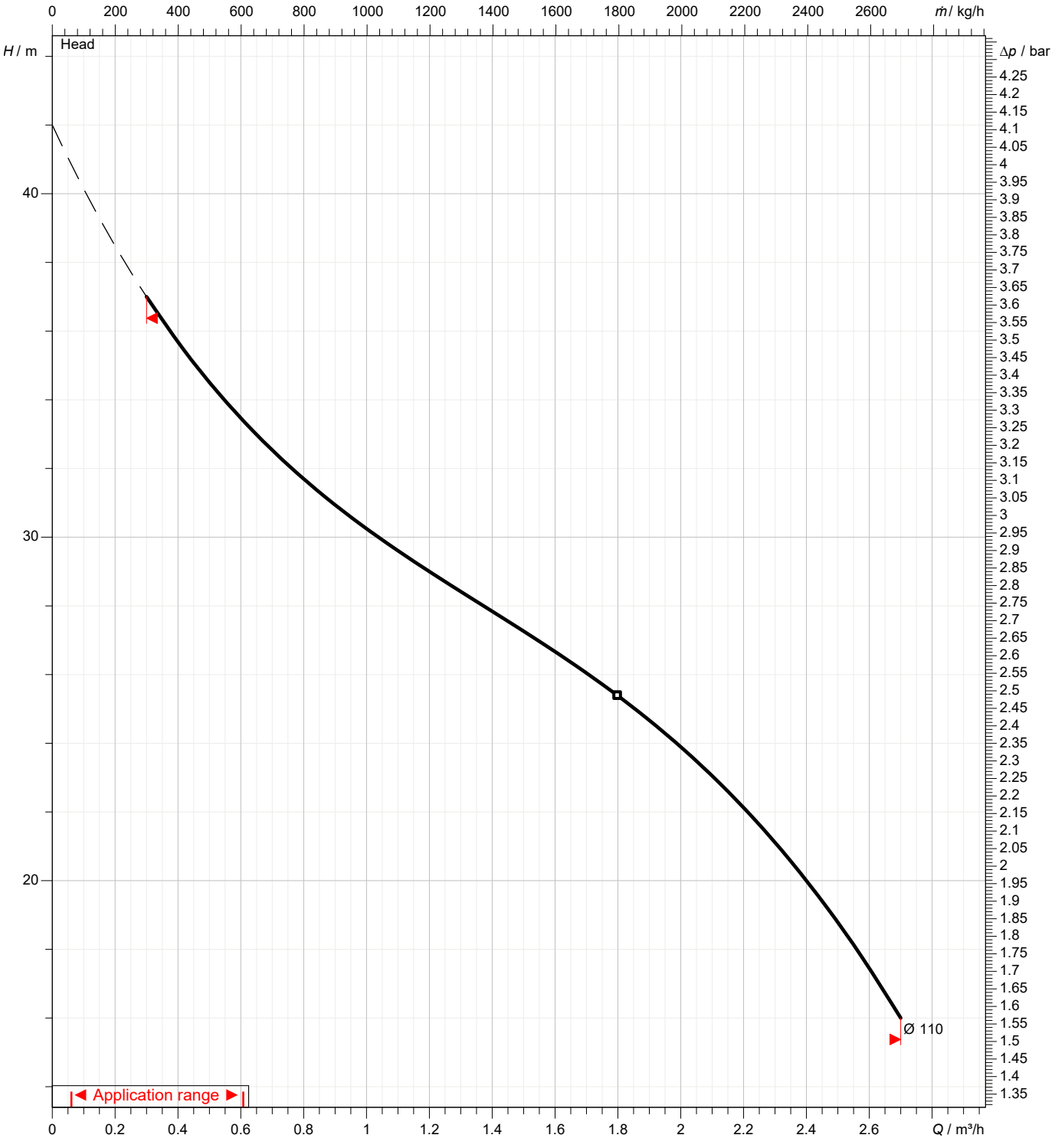
1	Flow	m³/h	
2	Head	m	
3	Geodetic head	m	

Pump

Operating flow	m³/h		Frequency	Hz	50
Operating head	m		Number of poles		2
Impeller diameter designed	mm	110	Speed	rpm	3000

Test standard: ISO 9906:2012 - Grade3B

Water; 20°C; 998.3kg/m³; 1mm²/s

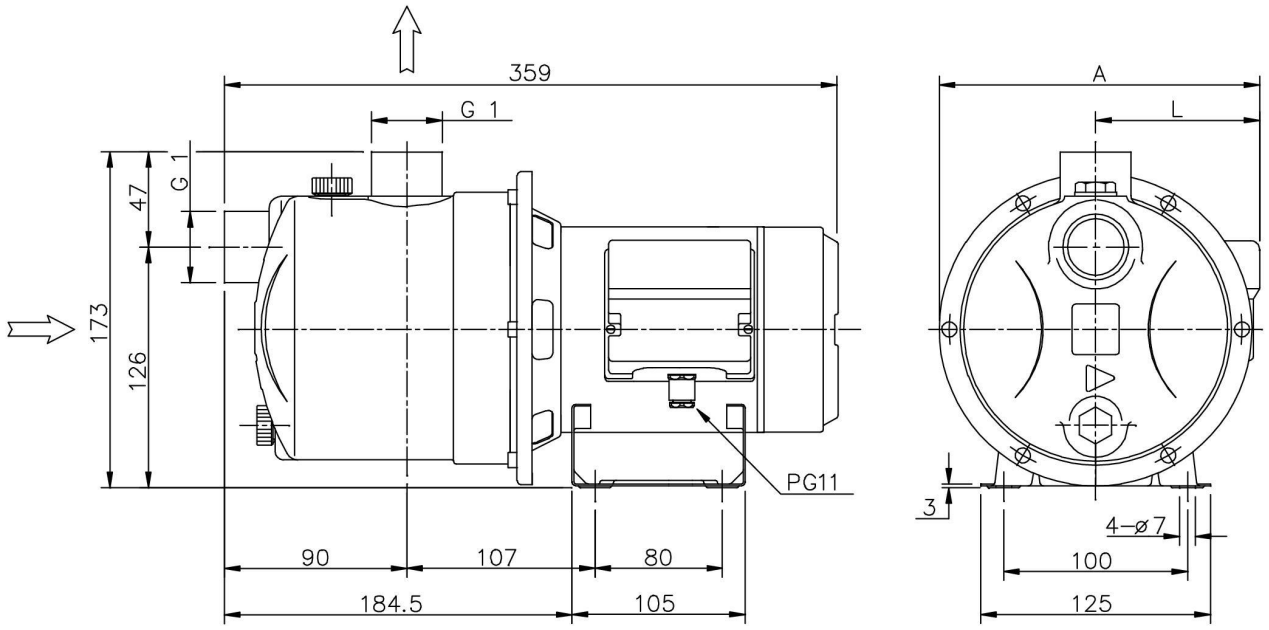


EBARA

Dimensions

Pump Name JES 8

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



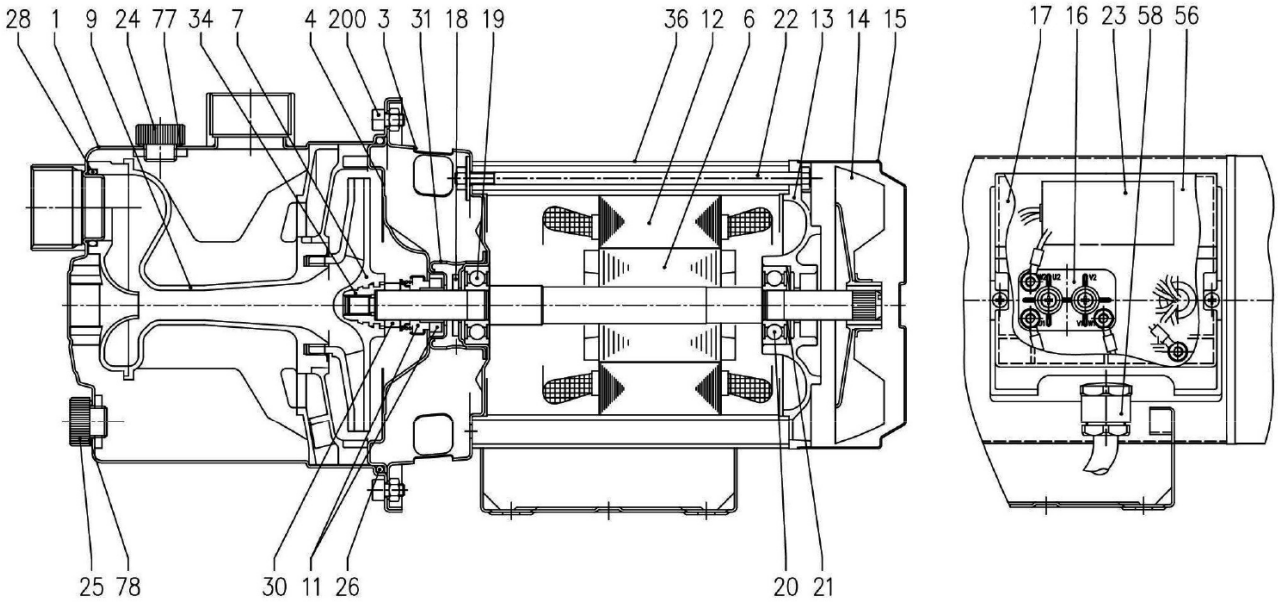
Dimensions in	mm							
1	A	177						
2	L	92						
3	Weight P&M	6 kg						
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								

EBARA

(1/3)
Construction

Pump Name JES 8

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



(2/3)
Construction

Pump Name JES 8

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	

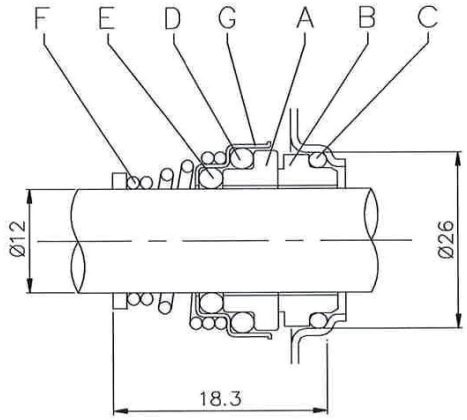
N°	PART NAME		MATERIAL	Q.TY
1	Casing		AISI 304	1
3	Motor bracket		AISI 304	1
4	Casing cover		AISI 304	1
6	Shaft with rotor		AISI 303 (Wet extension)	1
7	Impeller		PPO mod. glass fibre reinforced	1
9	Diffuser Venturi tube		PPO mod. glass fibre reinforced	1
11	Mechanical seal	[3]	Carbon/Ceramic/NBR	1
12	Motor frame with stator		-	1
13	Motor cover		Aluminium	1
14	Fan		PA6	1
15	Fan cover		Fe P04 Zincate	1
16	Terminal board		-	1
17	Terminal box cover		PA66 glass fibre reinforced	1
18	Splash ring		NBR	1
19	Pump side ball bearing		6201 ZZ	1
20	Fan side ball bearing		6201 ZZ	1
21	Adjusting ring		Steel C70	1
22	Tie rod		Fe 42 Zincate	4
23	Capacitor	[1]	-	1
24	Priming plug		PA6	1
25	Drain plug		PA6	1
26	O-ring		NBR	1
28	O-ring		NBR	1
30	Mechanical seal spacer		Brass	1
31	Thrust flange		AISI 304	1
34	Impeller nut	[2]	AISI 304	1
36	External motor casing		AISI 304	1
56	Box gasket		NBR	1
58	Cable entry		-	1
77	O-ring		NBR	1
78	O-ring		NBR	1
200	Screw		Stainless steel A2 UNI7323	6

[1] Only for single phase
[2] Only for three phase
[3] See **CONSTRUCTION 3**

(3/3)
Construction

Pump Name JES 8

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



REF	PART NAME	MATERIAL
A	Rotary seal ring	ceramic
B	Stationary seal ring	carbon graphite
C	O Ring	NBR
D	O Ring	NBR
E	O Ring	NBR
F	Self driving spring	AISI 316
G	Frame	AISI 304