

# Technical Data

Pump Name

JEXM 806

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

## Pump

9	Pump Name	JEXM 806	Frequency	Hz	60		
10	Design	CENTRIFUGAL PUMPS	Installation type		STANDARD		
11	Manufacturer	EBARA	Impeller Diameter	Max.	mm	115	
12	Speed	rpm		3450	Designed	mm	115
13	No. of Stage	1		Min.	mm	115	
14	Connection	Suction side	UNI ISO 228	Flow	Operating	m³/h	
15	Connection	Discharge side	UNI ISO 228		Max-	m³/h	4.2
16	Max Working Pressure	bar	8		Min-	m³/h	0.6
17	Shut-off head	bar	4.21	Head	Operating	m	
18	Total weight	kg	See the table of "Dimensions".		- (Qmax.)	m	19.0
19	Shaft power	kW			- (Qmin.)	m	38.5
20				Max. Shaft Power at max. impeller	kW		
21	Required pump NPSH	m		Efficiency	%		

## Materials

22	Impeller	AISI 304		
23	Casing	AISI 304		
24	Shaft	AISI 303 (Wet extension)		
25				
26				
27				

## Motor

28	Manufacturer	EPE Standard	Insulation class	F		
29	Type	TEFC_JEXM 806_110_Single Phase	Phases	1~		
30	Specific design	- / 60 Hz / Pole pairs 1	Frame size			
31	Rated power	kW	0.6	Weight	kg	
32	Number of poles	2	Electric voltage	V	110	
33	Speed	rpm	3450	Electric current	A	9.2
34	Degree of protection	IP 54				
35						

## Remarks

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# Performance Curve

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## Requested data

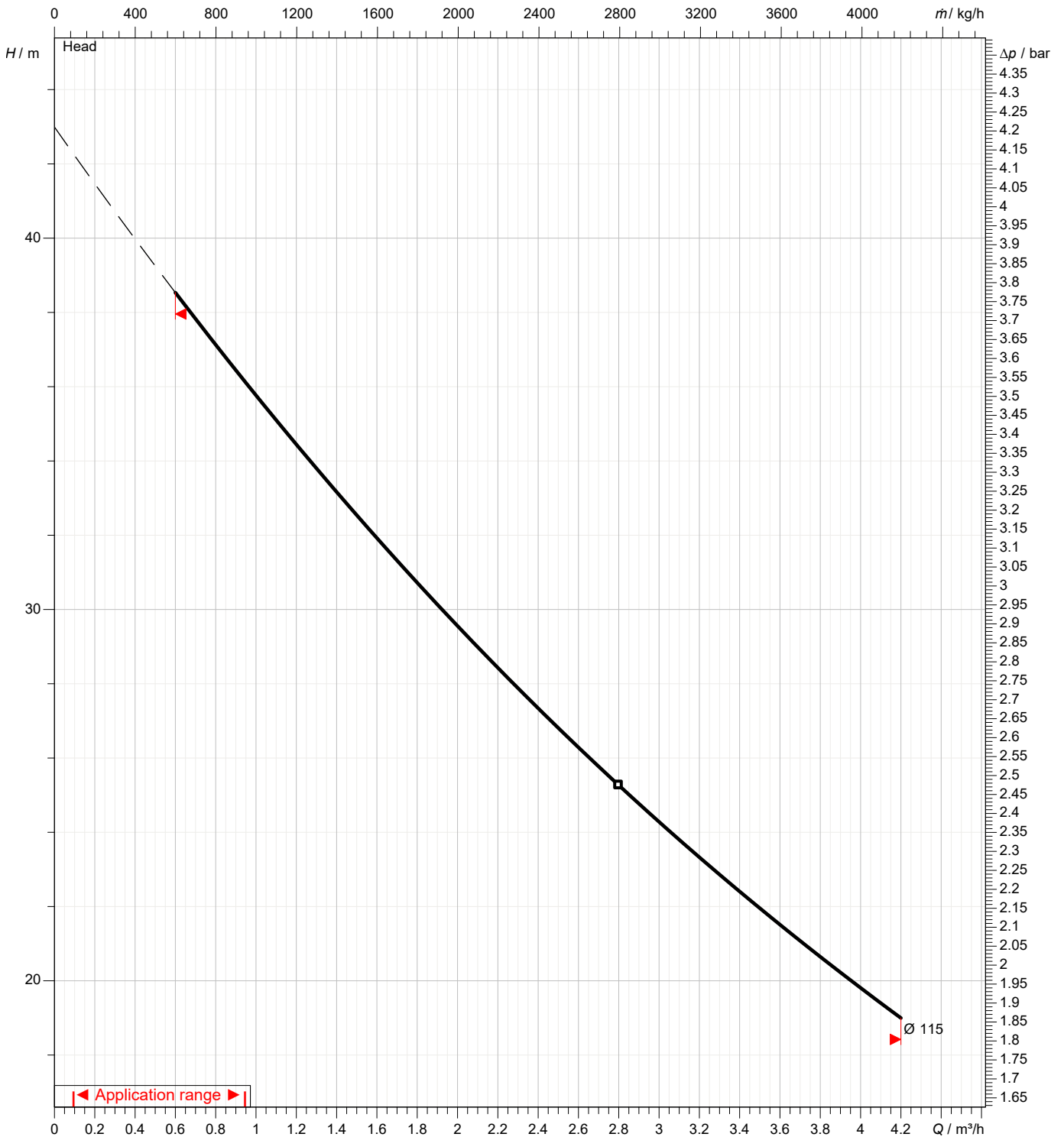
1	Flow	m³/h	
2	Head	m	
3	Geodetic head	m	

## Pump

Operating flow	m³/h		Frequency	Hz	60
Operating head	m		Number of poles		2
Impeller diameter designed	mm	115	Speed	rpm	3450

Test standard: ISO 9906:2012 - Grade3B

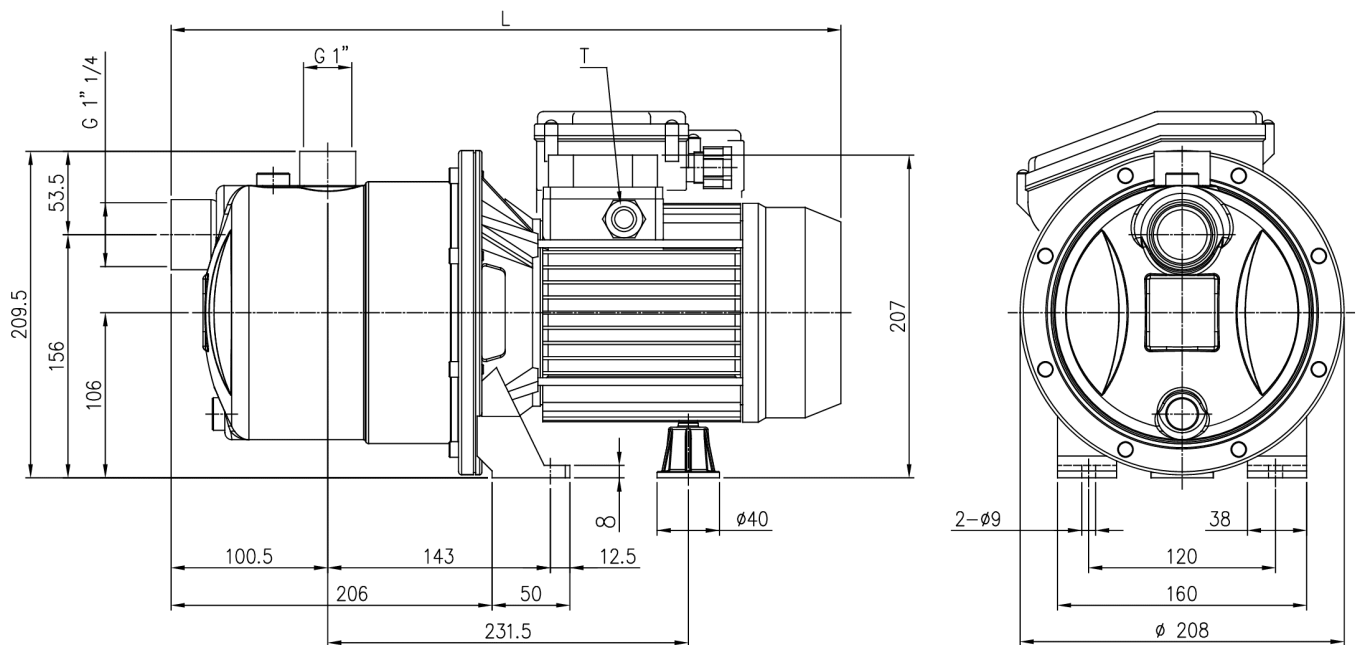
Water; 20°C; 998.3kg/m³; 1mm²/s



# Dimensions

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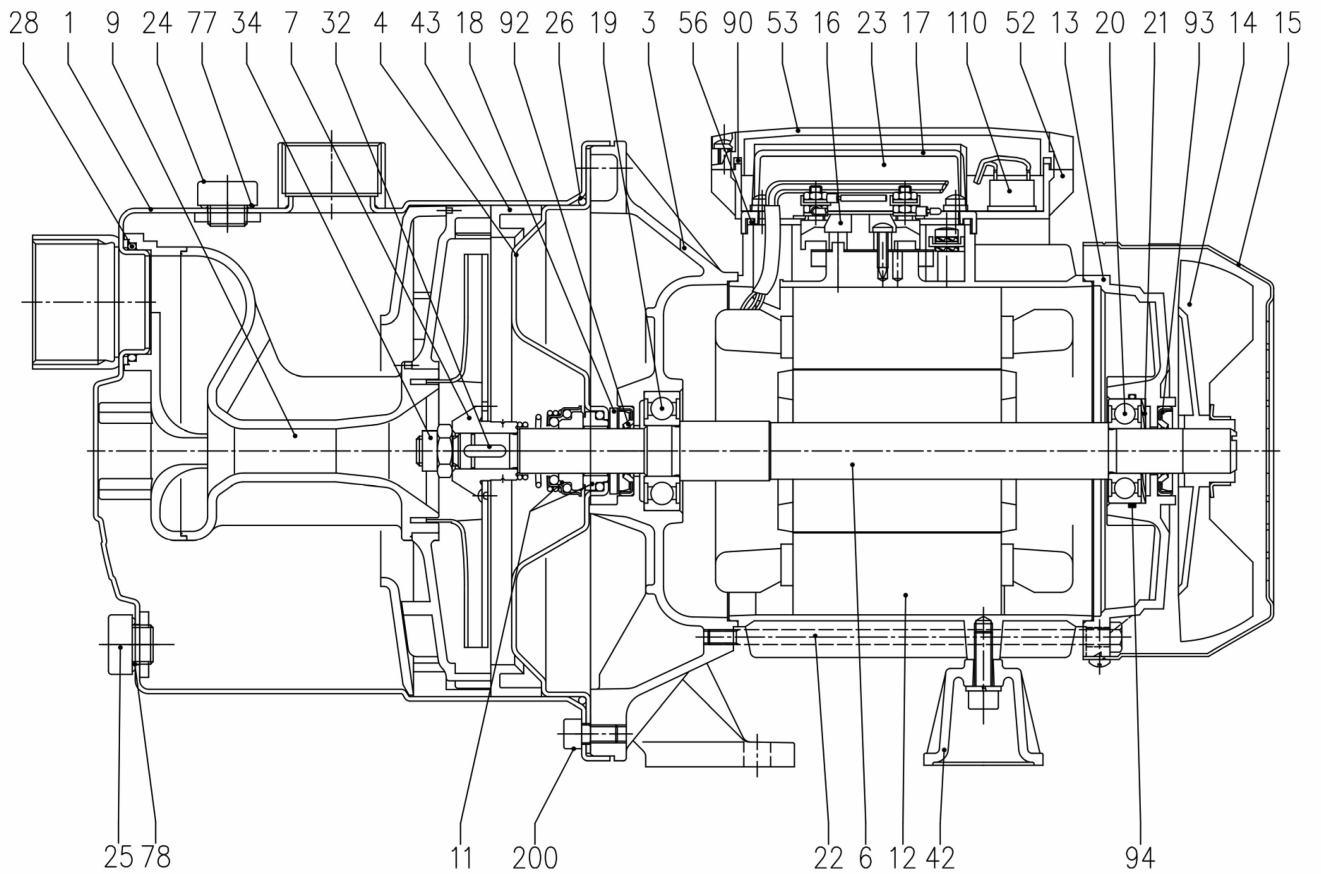


Dimensions in		mm						
1	L	418						
2	T	PG11						
3	Weight P&M	10 kg						
4								
5								
6								
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8								
9								
10								
11								
12								
13								
14								
15								

# (1/3) Construction

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# Construction

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N°	PART NAME	MATERIAL	Q.TY	N°	PART NAME	MATERIAL	Q.TY
1	Casing	AISI 304	1	24	Priming plug	PA	1
3	Motor bracket	Aluminium	1	25	Drain plug	PA	1
4	Casing cover	AISI 304	1	26	O-ring	NBR	1
6	Shaft with rotor	AISI 303 (Wet extension)	1	28	O-ring	NBR	1
7	Impeller	AISI 304	1	32	Key	AISI 304	1
9	Diffuser Venturi tube	PPE+PS glass fibre reinforced	1	34	Impeller nut	AISI 304	1
11	Mechanical seal [4]	Carbon/Ceramic/NBR	1	42	Motor support	Aluminium	1
12	Motor frame with stator	-	1	43	Space diffuser	PPE+PS glass fibre reinforced	1
13	Motor cover	Aluminium	1	52	Capacitor box [1]	ABS class V-0	1
14	Fan	PA	1	53	Capacitor box cover [1]	ABS class V-0	1
15	Fan cover	Fe P04 Zincate	1	56	Box gasket	NBR	1
16	Terminal board	-	1	77	O-ring	NBR	1
17	Terminal box cover [2]	Aluminium	1	78	O-ring	NBR	1
18	Splash ring	NBR	1	90	Terminal box cover gasket [1]	NBR	1
19	Pump side ball bearing	-	1	92	Lip seal [3]	-	1
20	Fan side ball bearing	-	1	93	Lip seal [3]	-	1
21	Adjusting ring	Steel C70	1	94	O-ring [5]	NBR	1
22	Tie rod	Fe 420 Zincate	4	110	Protector [1]	-	1
23	Capacitor [1]	-	1	200	Screw	Stainless steel A2 UNI7323	8

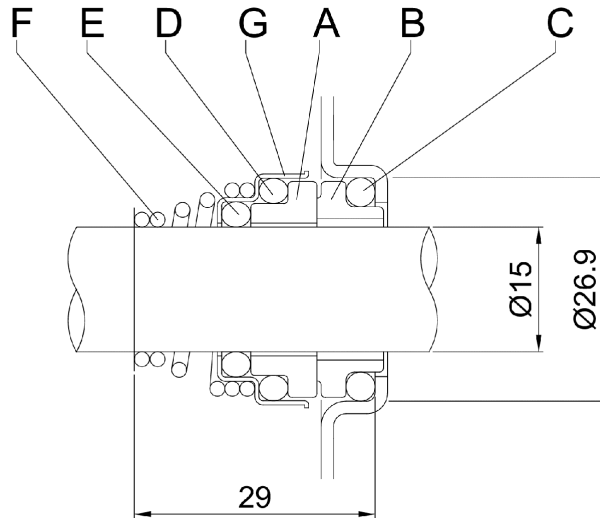
- [1] Only for Single phase
- [2] Only for Three phase
- [3] Only for IP55
- [4] See CONSTRUCTION 3
- [5] Only for JEX 1506 (three phase)

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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