

Technical Data

Pump Name

CMR 0.75 T

Customer	Date	2024-06-13	Company
Contact	Item no.		Issued by
Phone	Project		Phone
E-mail	Project ID	Proiect redenumit 2024-06-13 13:12:02	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	CMR 0.75 T	Frequency Hz	50
10	Design	CENTRIFUGAL PUMPS	Installation type	STANDARD
11	Manufacturer	EBARA	Impeller Diameter	Max. mm 114
12	Speed rpm	2800		Designed mm 114
13	No. of Stage	1		Min. mm 114
14	Connection Suction side	UNI ISO 228	Flow	Operating m³/h
15	Connection Discharge side	UNI ISO 228		Max- m³/h 15
16	Max Working Pressure bar	6		Min- m³/h 3
17	Shut-off head bar	1.52	Head	Operating m
18	Total weight kg	See the table of "Dimensions".		- (Qmax.) m 6.3
19	Shaft power kW			- (Qmin.) m 13.6
20			Max. Shaft Power at max. impeller kW	
21	Required pump NPSH m		Efficiency %	

Materials

22	Impeller	Brass		
23	Casing	Cast iron		
24	Shaft	AISI 303 (wet extension)		
25				
26				
27				

Motor

28	Manufacturer	EPE Standard	Insulation class	F
29	Type	TEFC_CM 0.75 M_230_Single Phase	Phases	1~
30	Specific design	IE2 / 50 Hz / Pole pairs 1	Frame size	
31	Rated power kW	0.55	Weight kg	
32	Number of poles	2	Electric voltage V	230
33	Speed rpm	2800	Electric current A	3.5
34	Degree of protection	IP 44		
35				

Remarks

Performance Curve

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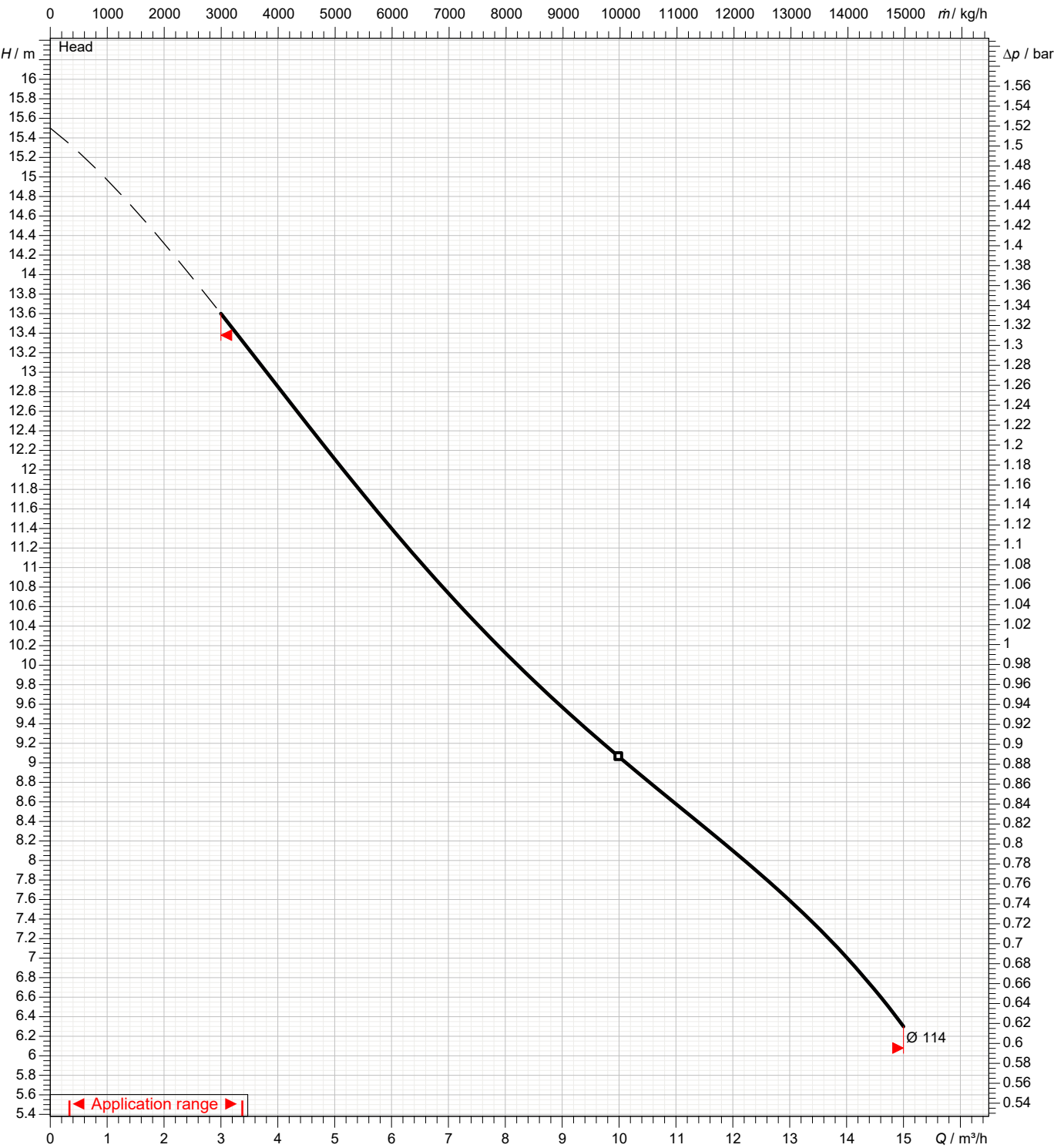
1	Flow	m³/h	
2	Head	m	
3	Geodetic head	m	

Pump

Operating flow	m³/h		Frequency	Hz	50
Operating head	m		Number of poles		2
Impeller diameter designed	mm	114	Speed	rpm	2800

Test standard: ISO 9906:2012 - Grade3B

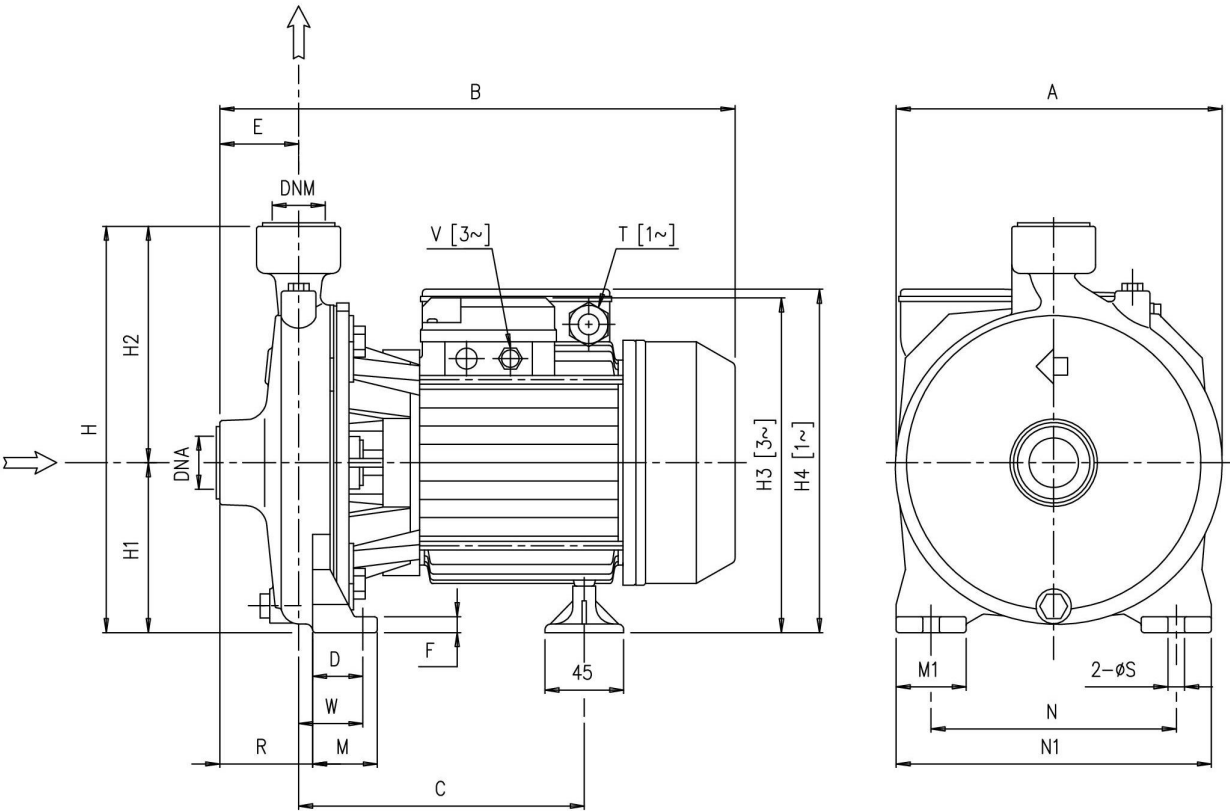
Water; 20°C; 998.3kg/m³; 1mm²/s



Dimensions

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[1~] Single phase
[3~] Three phase

Dimensions in mm							
1	A	180	N1	180			
2	B	310	R	61			
3	C	182	S	10			
4	D	37	V	PG 11			
5	DNA	G 1 1/2	W	52			
6	DNM	G 1 1/2	Weight P&M	10.9kg			
7	E	45					
8	F	9					
9	H	229					
10	H1	97					
11	H2	132					
12	H3	198					
13	M	45					
14	M1	40					
15	N	140					

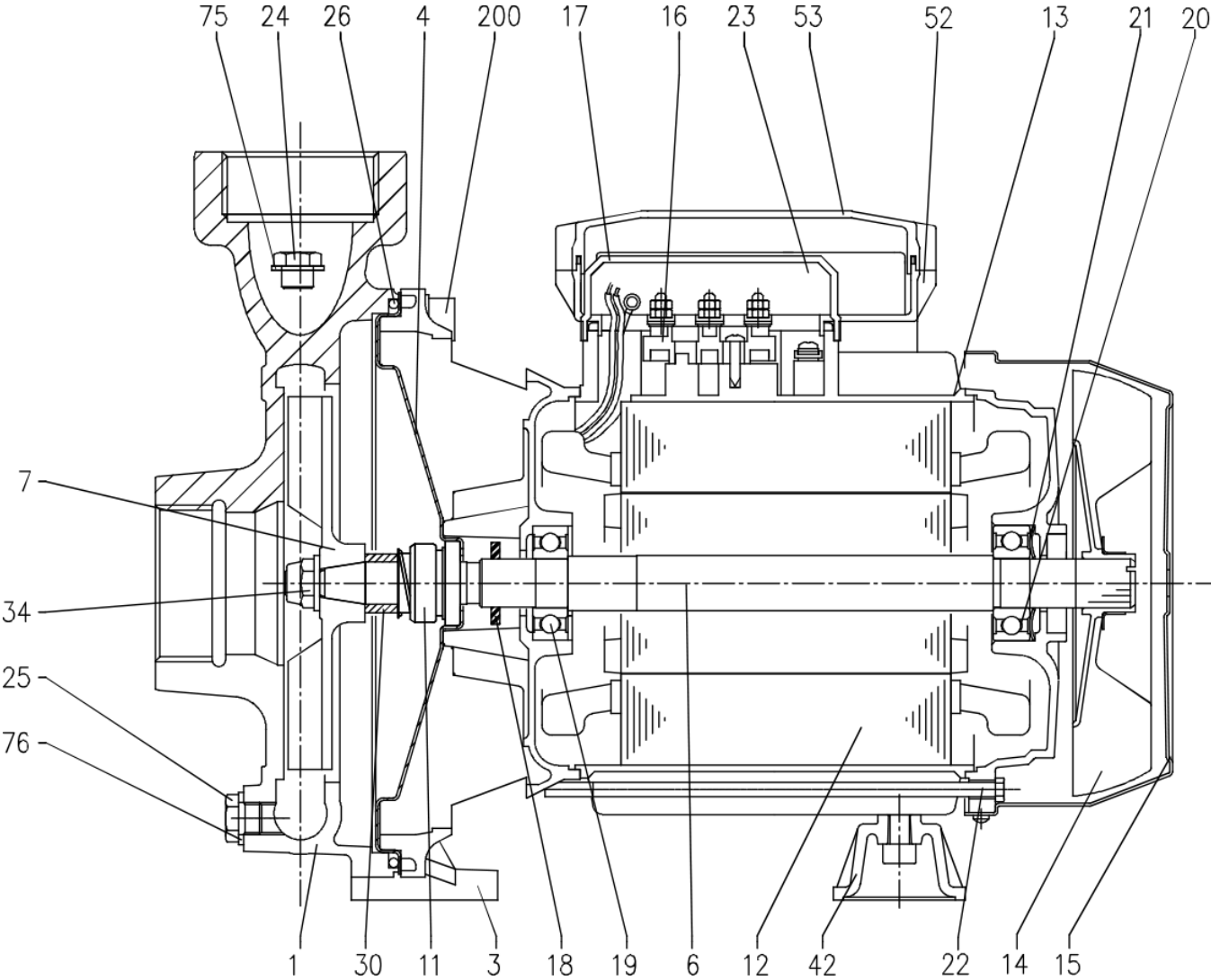
(1/3)

Construction

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Construction

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N°	PART NAME	MATERIAL	Q.TY
1	Casing	Cast iron	1
3	Motor bracket	Aluminium	1
4	Casing cover	AISI 304	1
6	Shaft with rotor	AISI 303 (wet extension)	1
7	Impeller	Brass	1
11	Mechanical seal [3]	Carbon/Ceramic/NBR	1
12	Motor frame with stator	-	1
13	Motor cover [1]	Aluminium	1
14	Fan	PP	1
15	Fan cover	Fe P04 Zincate	1
16	Terminal box	-	1
17	Terminal box cover [1]	Aluminium	1
18	Splash ring	NBR	1
19	Pump side ball bearing	-	1
20	Fan side ball bearing	-	1
21	Adjusting ring	Steel C70	1
22	Tie rod	Fe 42 Zincate	4
23	Capacitor [2]	-	1
24	Priming plug	Brass	1
25	Drain plug	Brass	1
26	O-ring	NBR	1
30	Mechanical seal spacer	Brass	1
34	Impeller nut	AISI 304	1
42	Foot	PP	1
52	Capacitor box [2]	ABS class V-0	1
53	Capacitor box cover with gasket [2]	ABS class V-0 + NBR	1
75	Washer	Aluminium	1
76	Washer	Aluminium	1
200	Screw	Zn Steel Cl. 8.8 ISO 898-1	4

[1] Three phase

[2] Single phase

[3] See **CONSTRUCTION 3**

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