

Technical Data

Pump Name

CMA 2.00 M

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
3	Flow	m³/h	Kin. viscosity	mm²/s
4	Head	m	Vapour pressure	bar
5	Geodetic head	m	PH value	
6	Inlet pressure (pin)	bar	Density	kg/m³
7	Available system NPSH		Solids	Weight %
8	Ambient temperature	°C		

Pump

9	Pump Name	CMA 2.00 M	Frequency	Hz	50	
10	Design	CENTRIFUGAL PUMPS	Installation type		STANDARD	
11	Manufacturer	EBARA	Impeller Diameter	Max.	mm	
12	Speed	rpm		2800	Designed	mm
13	No. of Stage	1		Min.	mm	191
14	Connection	Suction side	UNI ISO 228	Flow	Operating	m³/h
15	Connection	Discharge side	UNI ISO 228		Max-	m³/h
16	Max Working Pressure	bar	8		Min-	m³/h
17	Shut-off head	bar	4.70	Head	Operating	m
18	Total weight	kg	See the table of "Dimensions".		- (Qmax.)	m
19	Shaft power	kW			- (Qmin.)	m
20				Max. Shaft Power at max. impeller	kW	1.86
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_CMA 2.00 M_230_Single Phase	Phases	1~	
30	Specific design	IE2 / 50 Hz / Pole pairs 1	Frame size		
31	Rated power	kW	1.5	Weight	kg
32	Number of poles	2	Electric voltage	V	230
33	Speed	rpm	2800	Electric current	A
34	Degree of protection	IP 44			
35					

Remarks

Performance Curve

Pump Name

CMA 2.00 M

Customer	Date	2024-06-13	Company
Contact	Item no.		Issued by
Phone	Project		Phone
E-mail	Project ID	Project redenumit 2024-06-13 13:12:02	E-mail

Requested data

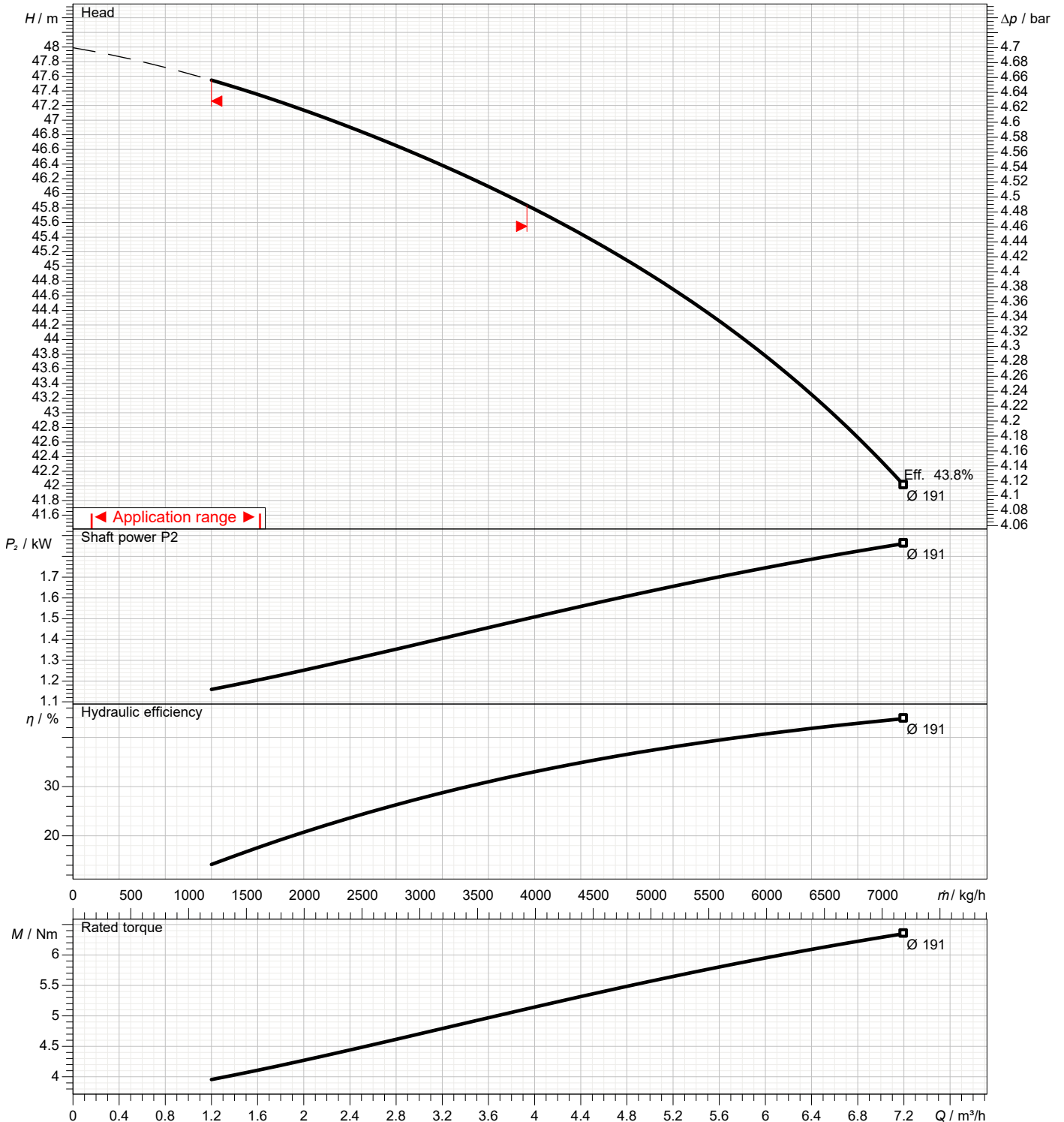
1	Flow	m³/h	
2	Head	m	
3	Geodetic head	m	

Pump

Operating flow	m³/h		Frequency	Hz	50
Operating head	m		Number of poles		2
Impeller diameter designed	mm	191	Speed	rpm	2800

Test standard: ISO 9906:2012 - Grade3B

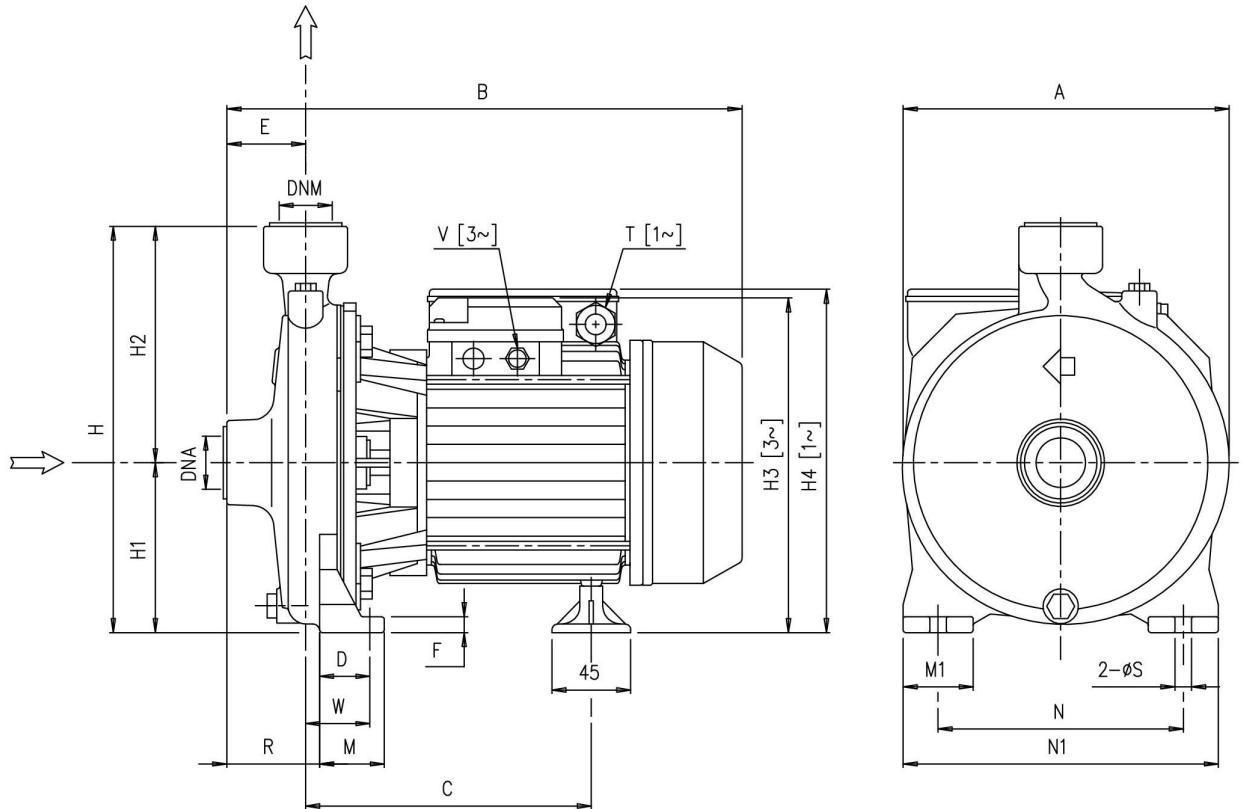
Water; 20°C; 998.3kg/m³; 1mm²/s



Dimensions

Pump Name CMA 2.00 M

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



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

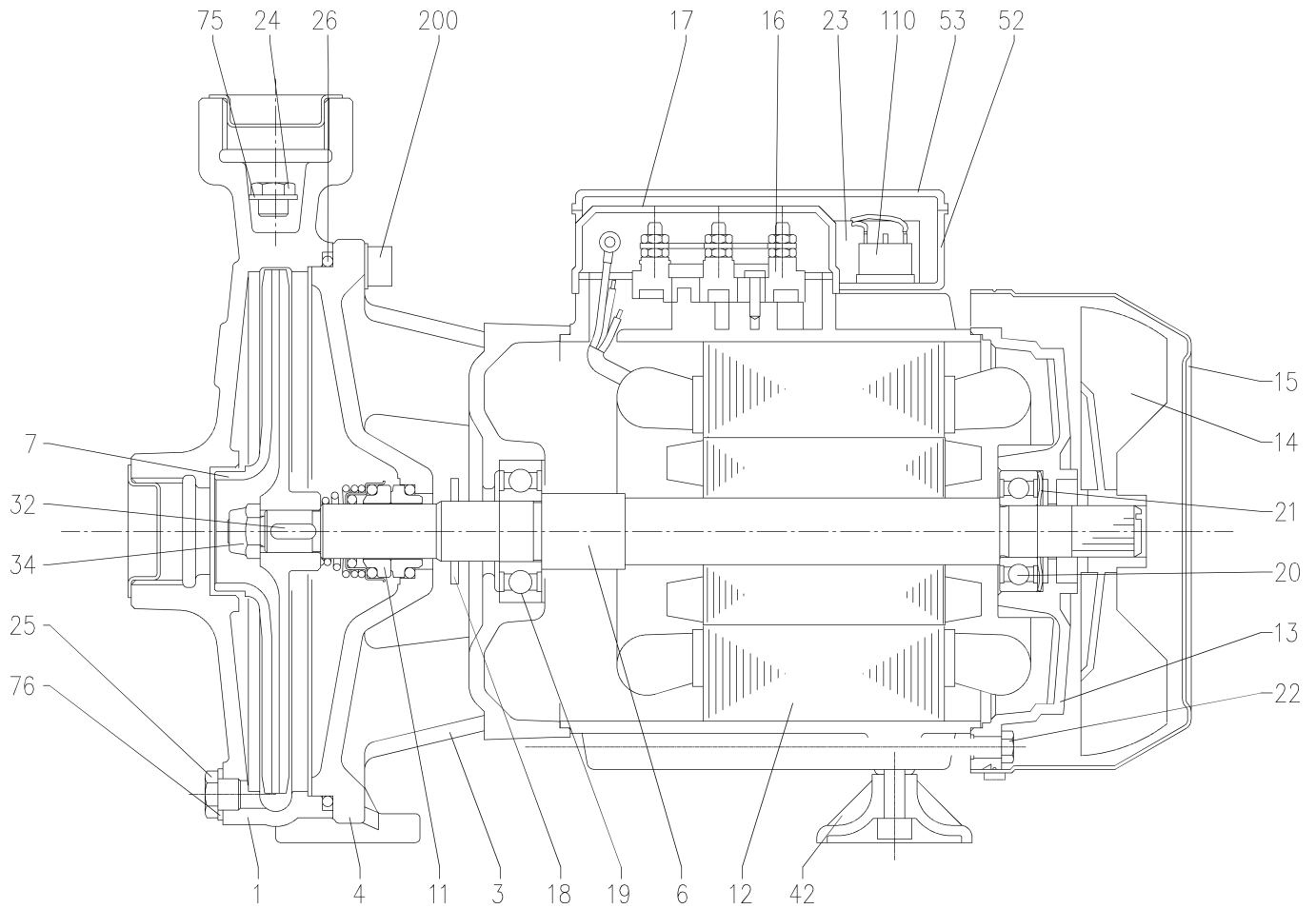
Dimensions in		mm						
1	A	225	N1	194				
2	B	372	R	45.5				
3	C	208.3	S	9.5				
4	D	41.8	T	PG 13.5				
5	DNA	G 1 1/4	W	41.8				
6	DNM	G 1	Weight P&M	23.3 kg				
7	E	45.5						
8	F	9						
9	H	285						
10	H1	115						
11	H2	170						
12	H4	247						
13	M	50						
14	M1	40						
15	N	180						

(1/3)

Construction

Pump Name CMA 2.00 M

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



(2/3)

Construction

Pump Name CMA 2.00 M

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

N°	PART NAME	MATERIAL	DIMENSIONS	STANDARD	Q.TY	
1	Casing	Cast iron			1	
3	Motor bracket	Cast iron			1	
4	Casing cover	AISI 304			1	
6	Shaft with rotor	[1]			1	
7	Impeller	[2]			1	
11	Mechanical seal	[5] Carbon/Ceramic/NBR			1	
12	Motor frame with stator	-			1	
13	Motor cover	Aluminium			1	
14	Fan	PA			1	
15	Fan cover	Fe P04 Galvanized			1	
16	Terminal board	-			1	
17	Terminal box cover	[3] Aluminium			1	
18	Splash ring	NBR	D35x19.5x2.5	EBARA DRAWING	1	
19	Pump side ball bearing	-			1	
20	Fan side ball bearing	-			1	
21	Adjusting ring	Steel C70			1	
22	Tie rod	Fe 42 Galvanized			4	
23	Capacitor	[4] -			1	
24	Priming plug	CMD 1.50; 2.00; 3.00; 4.00 other models	Brass	G 1/4"	UNI 338	1
				G 1/8"		
25	Drain plug	CMD 1.50; 2.00; 3.00; 4.00 other models	Brass	G 1/4"	UNI 338	1
				G 1/8"		
26	O-ring	NBR			1	
32	Key	AISI 316			1	
34	Impeller nut	other models CMB 4.00; 5.50	AISI 304	M10	UNI 7474	1
				M12x1.25		1
42	Foot	PP			1	
52	Capacitor box	[4] ABS class V-0			1	
53	Capacitor box cover	[4] ABS class V-0			1	
75	Washer	CMD 1.50; 2.00; 3.00; 4.00 other models	Aluminium	13.5x19x1.5		1
				10x16x1.5		1
76	Washer	CMD 1.50; 2.00; 3.00; 4.00 other models	Aluminium	13.5x19x1.5		1
				10x16x1.5		1
110	Protector	[4] -			1	
200	Screw	CMD 1.50; 2.00; 3.00; 4.00 CMB 1.50; 2.00; 3.00 CMA 1.50	Zn Steel Cl. 8.8	M8x25	ISO 898-1	4
				M8x22		
				M10x35		

[1] Material: AISI303 (wet extension) for version CMA, CMB 1.50-2.00-3.00, CMD 1.50-2.00-3.00
AISI304 (wet extension) for version CMB 4.00-5.50, CMD 4.00

[2] Material: Brass for version: CMA, CMB 2.00-3.00-4.00-5.50
Cast iron for version: CMB 1.50, CMD

[3] Only for three phase

[4] Only for single phase

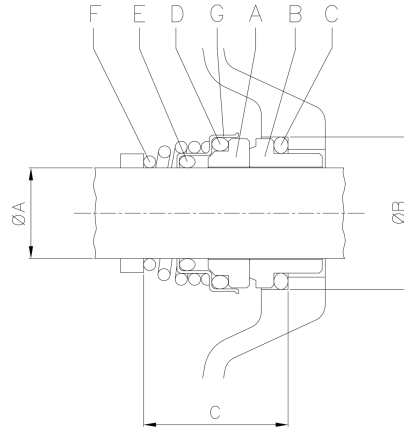
[5] See **CONSTRUCTION 3**

(3/3)

Construction

Pump Name CMA 2.00 M

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



Pump type		Dimensions mm		
Single phase	Three phase	Ø A	Ø B	C
CMA 1.50 M	CMA 1.50 T	18	30.9	32
CMA 2.00 M	CMA 2.00 T	18	30.9	32
-	CMA 3.00 T	18	30.9	32
CMB 1.50 M	CMB 1.50 T	18	30.9	32
CMB 2.00 M	CMB 2.00 T	18	30.9	32
-	CMB 3.00 T	18	30.9	32
CMD 1.50 M	CMD 1.50 T	18	30.9	32
CMD 2.00 M	CMD 2.00 T	18	30.9	32
-	CMD 3.00 T	18	30.9	32
-	CMD 4.00 T	18	30.9	32

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