

CM series

Centrifugal stainless steel monobloc pump



Flow rate up to 1800 l/min



Head up to 60 meters



Operating temperature max 110°C



Operating pressure max 10 bar



Motors from 2 HP to 10 HP – 1400/2800 RPM



Entirely made of AISI 304/316 high thickness stainless steel



Suitable for aggressive liquids with suspended solids

High-thickness pump casing

High thickness steel (4 mm) which ensures a higher mechanical and corrosion resistance, and therefore a longer life

Wide range

Over 40 models are available, in order to best meet all requirements and to ensure optimal operating conditions at all times

Standard motors

Motors compliant with IEC 72 UNEL-MEC standards, widely available in all national and international markets



Easy to dismantle

The cleaning and replacement of the mechanical seal and of the impeller are incredibly simple as the pump can be taken apart with ease

Zone at risk of explosion

To operate in zones at risk of explosion motors compliant with Atex standards are supplied

Open and closed impellers

Impellers can be closed and open. Open impellers are suitable for handling dirty, solid-laden liquids

Maximum hygiene

The pump casing is internally and externally polished to ensure the highest level of hygiene. In addition, the internal surfaces are smooth and with no sharp edges to provide high hydraulic efficiency



Greater safety

To allow using CM pumps in potentially explosive environments Atex motors are supplied

The CM series pumps have the following features:

- 40 different models to meet all requirements
- Closed or open stainless steel impeller, to handle dirty, solid-laden liquids
- Suitable for handling aggressive liquids
- High thickness steel (4 mm) which ensures a higher mechanical and corrosion resistance, and therefore a longer life
- Low number of welds, to ensure higher reliability
- Very easy to take apart to clean or replace the mechanical seal
- Motors compliant with IEC 72 UNEL-MEC standards, widely available in all national and international markets should they need to be replaced or repaired
- Explosion proof motors can be provided to pump flammable liquids
- Mechanical seal with NBR, FPM or PTFE elastomers

Their resistance to chemical aggressiveness makes them suitable for the **chemical** , **pharmaceutical** and **textile** industries, their capacity to pump dirty liquids makes them suitable for the **treatment of waters** in general and of **industrial waste** , while their versatility suits the **wine and food** industry.

On request, pumps can be supplied on a stainless steel carriage fitted with a switch.

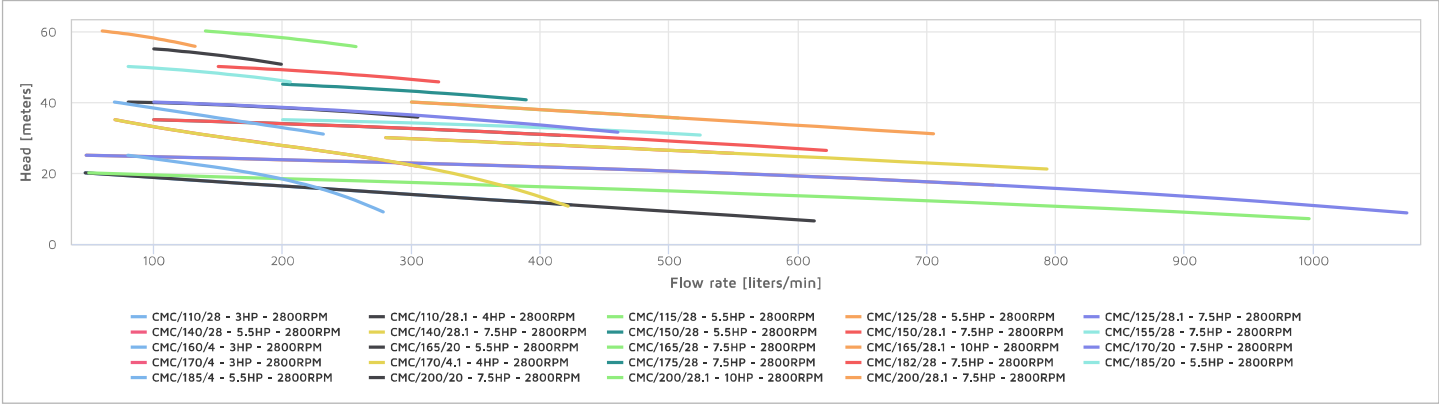
The pumps can also be supplied with DIN 11851, Garolla or Macon fittings.

Technical Specifications

Power and capacity are referred to working with water

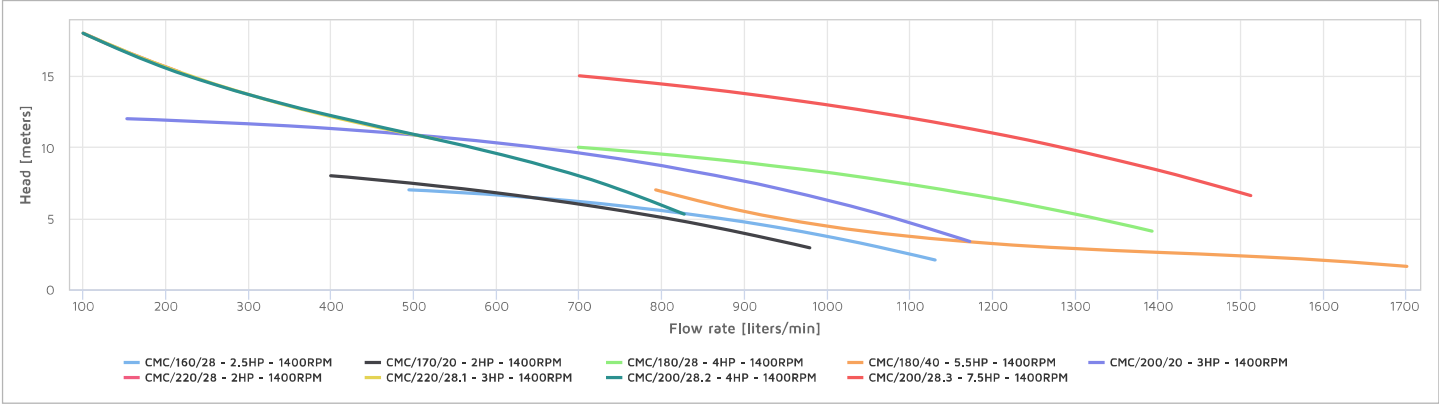
Closed impeller – 2800 RPM

MOD	MOTOR		FLOW RATE [lt/min] ± 5%												Ø PORTS	
	HP	RPM	5 meters	10 meters	15 meters	20 meters	25 meters	30 meters	35 meters	40 meters	45 meters	50 meters	55 meters	60 meters	INLET BSP female thread	OUTLET BSP female thread
CMC/160/4	3	2800	300	272	235	176	80	-	-	-	-	-	-	-	Ø 1 ½"	Ø 1 ½"
CMC/170/4	3	2800	-	-	-	330	254	154	70	-	-	-	-	-	Ø 1 ½"	Ø 1 ½"
CMC/170/4.1	4	2800	461	426	385	330	254	154	70	-	-	-	-	-	Ø 1 ½"	Ø 1 ½"
CMC/110/28	3	2800	-	466	256	47	-	-	-	-	-	-	-	-	Ø 2"	Ø 1 ½"
CMC/110/28.1	4	2800	675	466	256	47	-	-	-	-	-	-	-	-	Ø 2"	Ø 1 ½"
CMC/115/28	5.5	2800	1102	838	494	49	-	-	-	-	-	-	-	-	Ø 2 ½"	Ø 2"
CMC/185/4	5.5	2800	-	-	-	-	-	250	160	69	-	-	-	-	Ø 1 ½"	Ø 1 ½"
CMC/125/28	5.5	2800	-	-	830	542	48	-	-	-	-	-	-	-	Ø 2 ½"	Ø 2"
CMC/125/28.1	7.5	2800	1186	1030	830	542	48	-	-	-	-	-	-	-	Ø 2 ½"	Ø 2"
CMC/140/28	5.5	2800	-	-	-	-	580	280	-	-	-	-	-	-	Ø 2 ½"	Ø 2"
CMC/140/28.1	7.5	2800	-	-	-	850	580	280	-	-	-	-	-	-	Ø 2 ½"	Ø 2"
CMC/150/28	5.5	2800	-	-	-	-	-	450	100	-	-	-	-	-	Ø 2"	Ø 2"
CMC/150/28.1	7.5	2800	-	-	-	-	680	450	100	-	-	-	-	-	Ø 2"	Ø 2"
CMC/155/28	7.5	2800	-	-	-	-	-	560	200	-	-	-	-	-	Ø 2"	Ø 2"
CMC/165/28	7.5	2800	-	-	-	-	-	-	530	300	-	-	-	-	Ø 2"	Ø 2"
CMC/165/28.1	10	2800	-	-	-	-	-	750	530	300	-	-	-	-	Ø 2"	Ø 2"
CMC/175/28	7.5	2800	-	-	-	-	-	-	-	410	200	-	-	-	Ø 2"	Ø 1 ½"
CMC/182/28	7.5	2800	-	-	-	-	-	-	-	-	340	150	-	-	Ø 2"	Ø 1 ½"
CMC/200/28.1	10	2800	-	-	-	-	-	-	-	-	-	-	270	140	Ø 2"	Ø 1 ½"
CMC/200/28	7.5	2800	-	-	-	-	-	-	-	-	-	-	140	60	Ø 1 ½"	Ø 1 ½"
CMC/165/20	5.5	2800	-	-	-	-	-	-	330	80	-	-	-	-	Ø 1 ½"	Ø 1 ½"
CMC/170/20	7.5	2800	-	-	-	-	-	500	350	100	-	-	-	-	Ø 1 ½"	Ø 1 ½"
CMC/185/20	5.5	2800	-	-	-	-	-	-	-	-	220	80	-	-	Ø 2"	Ø 1 ½"
CMC/200/20	7.5	2800	-	-	-	-	-	-	-	-	-	210	100	-	Ø 2"	Ø 1 ½"



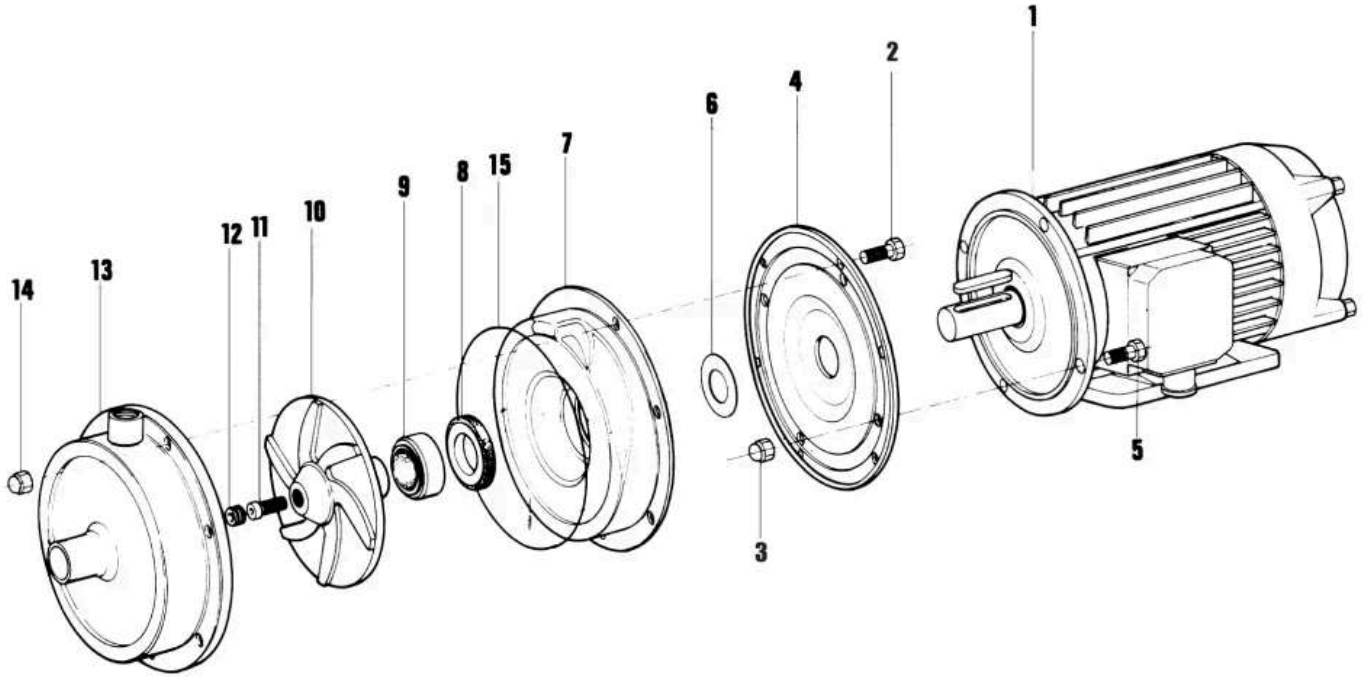
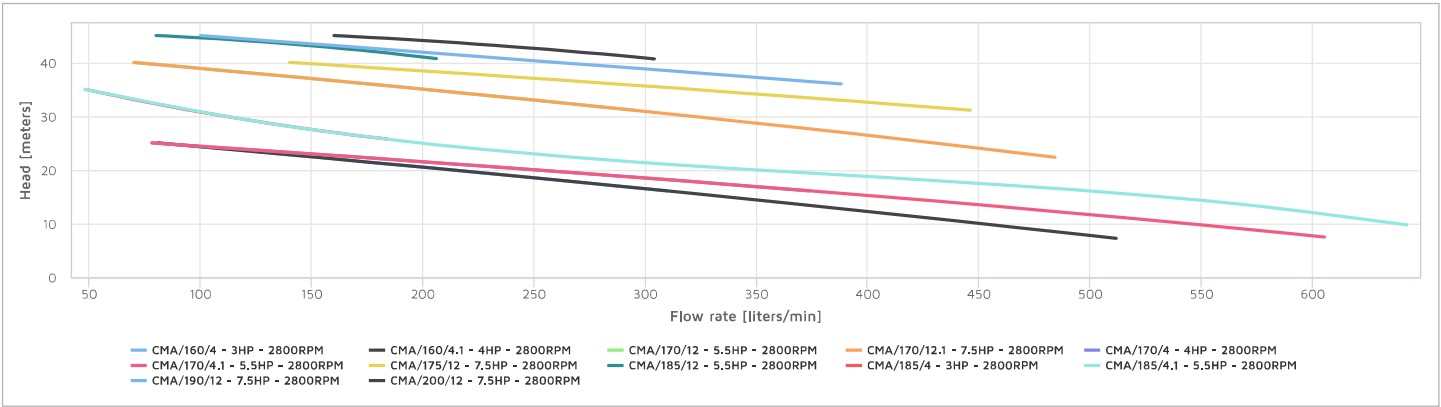
Closed impeller - 1400 RPM

MOD	MOTOR		FLOW RATE [lt/min] ± 5%										Ø PORTS	
	HP	RPM	1 m	2 meters	3 meters	5 meters	7 meters	8 meters	10 meters	12 meters	15 meters	18 meters	INLET BSP female thread	OUTLET BSP female thread
CMC/170/20	2	1400	-	1043	973	805	569	399	-	-	-	-	Ø 3"	Ø 2 ½"
CMC/160/28	2.5	1400	1201	1135	1061	869	494	-	-	-	-	-	Ø 3"	Ø 3"
CMC/200/20	3	1400	1285	1240	1191	1081	947	865	645	153	-	-	Ø 3"	Ø 2 ½"
CMC/180/28	4	1400	-	-	1470	1323	1141	1027	699	-	-	-	Ø 4"	Ø 4"
CMC/180/40	5.5	1400	1802	1617	1260	943	792	-	-	-	-	-	Ø 4"	Ø 4"
CMC/220/28	2	1400	-	-	-	-	-	-	-	-	230	100	Ø 2"	Ø 2"
CMC/220/28.1	3	1400	-	-	-	-	-	-	580	410	230	100	Ø 2"	Ø 2"
CMC/220/28.2	4	1400	-	-	907	838	751	698	568	415	227	100	Ø 2 ½"	Ø 2"
CMC/220/28.3	7.5	1400	-	-	-	1602	1488	1425	1281	1104	700	-	Ø 4"	Ø 3"

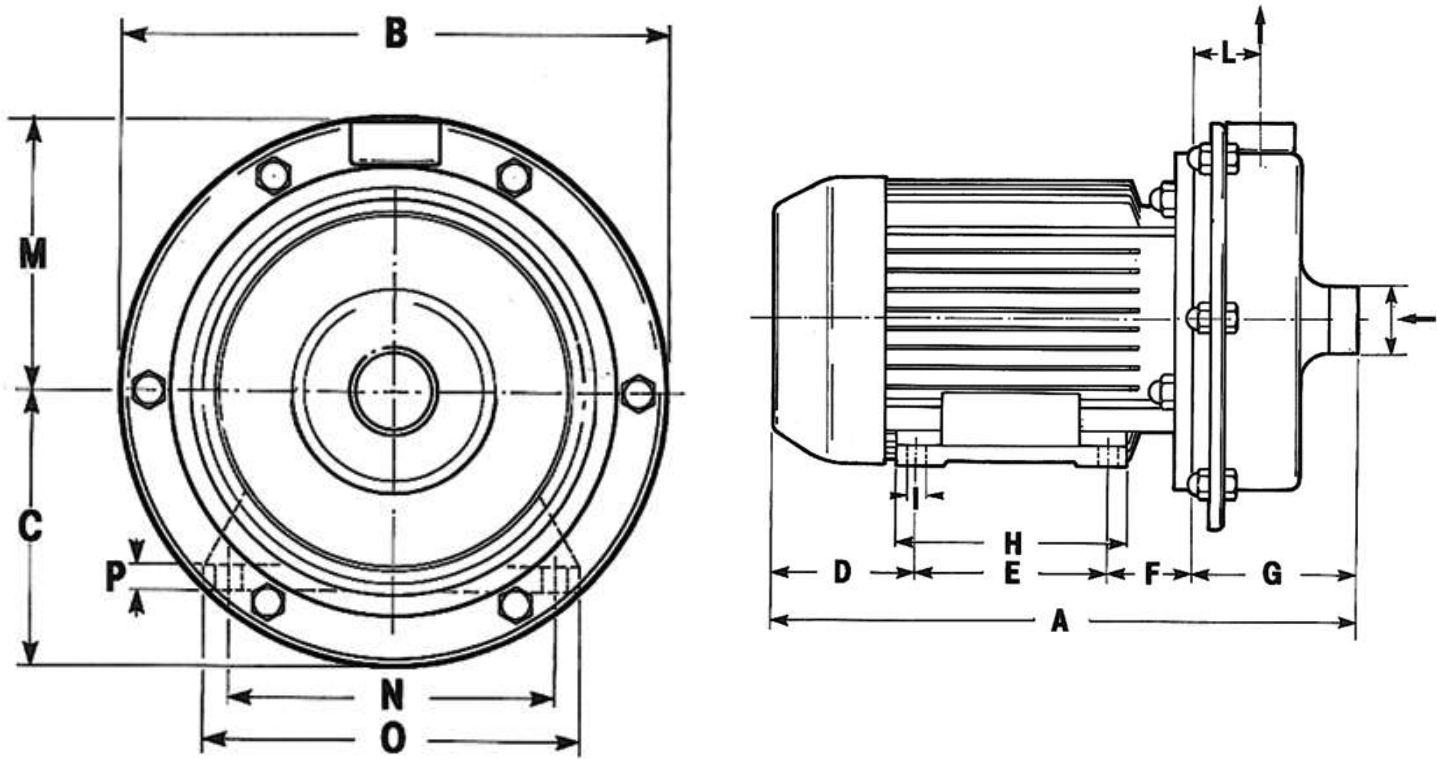


Open impeller – 2800 RPM

MOD	MOTOR		FLOW RATE [lt/min] ± 5%												Ø PORTS	
	HP	RPM	5 meters	10 meters	15 meters	20 meters	25 meters	30 meters	35 meters	40 meters	45 meters	50 meters	55 meters	60 meters	INLET BSP female thread	OUTLET BSP female thread
CMA/160/4	3	2800	-	-	335	213	81	-	-	-	-	-	-	-	Ø 2"	Ø 1 ½"
CMA/160/4.1	4	2800	559	451	335	213	81	-	-	-	-	-	-	-	Ø 2"	Ø 1 ½"
CMA/170/4	4	2800	-	-	406	250	78	-	-	-	-	-	-	-	Ø 2"	Ø 1 ½"
CMA/170/4.1	5.5	2800	664	544	406	250	78	-	-	-	-	-	-	-	Ø 2"	Ø 1 ½"
CMA/170/12	5.5	2800	-	-	-	-	-	320	200	70	-	-	-	-	Ø 1 ½"	Ø 1 ½"
CMA/170/12.1	7.5	2800	-	-	-	530	430	320	200	70	-	-	-	-	Ø 1 ½"	Ø 1 ½"
CMA/175/12	7.5	2800	-	-	-	-	-	480	320	140	-	-	-	-	Ø 2"	Ø 2"
CMA/185/12	5.5	2800	-	-	-	-	-	-	-	220	80	-	-	-	Ø 2"	Ø 1 ½"
CMA/190/12	7.5	2800	-	-	-	-	-	-	420	260	100	-	-	-	Ø 2"	Ø 2"
CMA/200/12	7.5	2800	-	-	-	-	-	-	-	320	160	-	-	-	Ø 2"	Ø 2"
CMA/185/4	3	2800	-	-	-	-	199	111	48	-	-	-	-	-	Ø 2"	Ø 1 ½"
CMA/185/4.1	5.5	2800	708	638	531	350	199	111	48	-	-	-	-	-	Ø 2"	Ø 1 ½"



REF	DESCRIPTION	MATERIALS
1	Electric Motor	---
2	Body Lock Screw	---
3	Flange Lock Nut	Stainless Steel
4	Motor Protection Flange	Stainless Steel
5	Flange Lock Screw	Stainless Steel
6	Spacing Ring	Stainless Steel
7	Diaphragm	AISI 304 or 316 Stainless Steel
8	Seal Fixed Part	Steel, Ceramic
9	Seal Rotating Part	Graphite, Stainless Steel, NBR or FPM or PTFE
10	Impeller	AISI 304 or 316 Stainless Steel
11	Impeller Screw	Stainless Steel
12	Impeller Lock	Stainless Steel
13	Pump Casing	AISI 304 or 316 Stainless Steel
14	Body Lock Nut	Stainless Steel
15	Casing Seal Ring	NBR or FPM



MOTOR	Dimensions [mm]													
HP	TO	B	C	D	AND	F	G	H	THE	THE	M	N	OR	P
2	360	310	155	101	100	56	103	125	9	48	155	140	200	13
3	385			101	125	56		150	9			140		
4	416			110	140	63		166	11			160		
5.5	416			110	140	63		166	11			190		
7.5	435			122	140	70		175	12			190		
10	505			125	180	125		220	12			220		

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Reporting of public grants (pursuant to articles 125-129 - Law 124/2017)

With reference to Article 1, paragraph 125-bis, Law No. 124/2017, it should be noted that the company received, during the 2020 financial year, guarantees from the State on repayable loans.
The National Register of State Aid pursuant to Article 52 of Law 234/2012 contains the aid received by our company during 2020. This information can be freely consulted by entering our tax code: 08770190158 at the following [link](#).