



water passion

1959

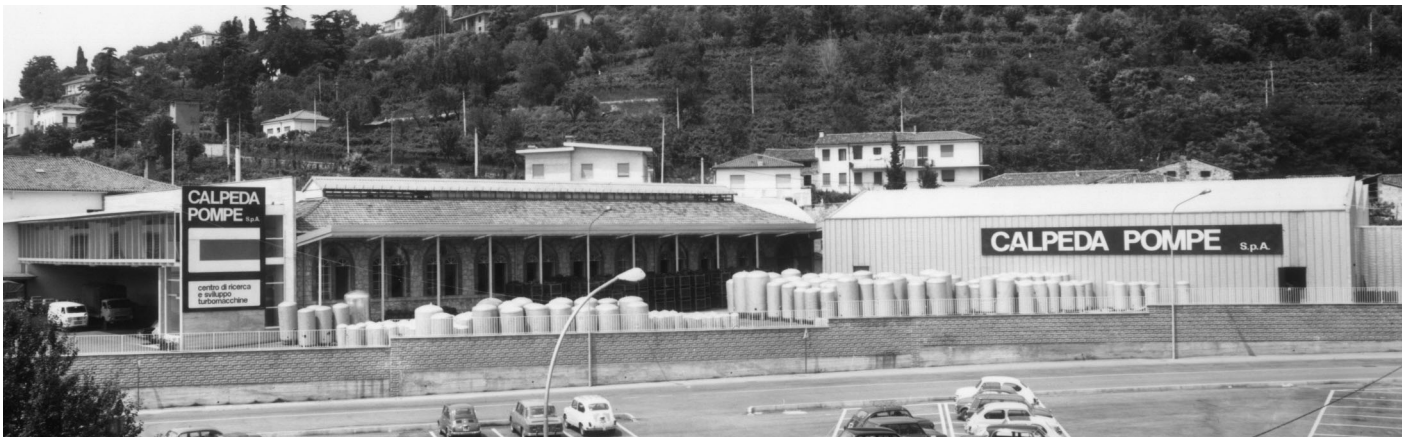
WHO WE ARE

WE WANT TO CONTINUE THAT WHICH WAS STARTED MANY YEARS AGO BY VINICIO METTIFOGO, FOUNDER AND PIONEER.

Calpeda is a family owned company with an history of 61 years.

Today, we are a reality that has evolved over the years, always looking to the future with a spirit that has brought us to being a respected reference point in the great world of water.

Our history has taken our tradition and strength to you, acknowledged for our professionalism, quality, reliability and service.



2020

CALPEDA TODAY

Employees: 250
Offices: Montorso V. (Vicenza) Italy
Main factory: 30,000 sq. metres (covered)
Types of pumps: more than 2,000
Power outputs: from 0.5 kW to 200 kW





Construction

Self-priming swimming pool pumps with built-in strainer and motor insulated from pumped water.

The pump is made with high quality plastic materials, corrosion and sand erosion resistant.

With stainless steel diffuser.

Base-plate kit.

Applications

- For water circulation in swimming pool filtration systems.
- For clean or slightly dirty water with solids in suspension.

Operating conditions

Water temperature up to 60 °C.

Ambient temperature up to 40 °C.

Maximum permissible pressure in the pump casing 2,5 bar.

Continuous duty.

Motor

2-pole induction motor, 50 Hz ($n \approx 2800$ rpm).

MPC: three-phase 230/400 V $\pm 10\%$.

MPCM: single-phase 230 V $\pm 10\%$, with thermal protector.
Capacitor inside the terminal box.

Insulation class F.

Protection IP X4.

Classification scheme IE3 for three-phase motors from 0,75 kW.

Constructed in accordance with: EN 60034-1; EN 60034-30-1.

EN 60335-1, EN 60335-2-41.

Materiali

Component	Material
Pump casing	Glass reinforced
Diffuser cover	thermoplastic
Impeller	PPO-GF30, NORYL
Strainer cover	Transparent polycarbonate, LEXAN
Strainer basket	Polypropylene
Diffuser funnel and wear-ring	Cr-Ni-Mo steel AISI 316
Mechanical seal	Ceramic alumina, Carbon, FPM

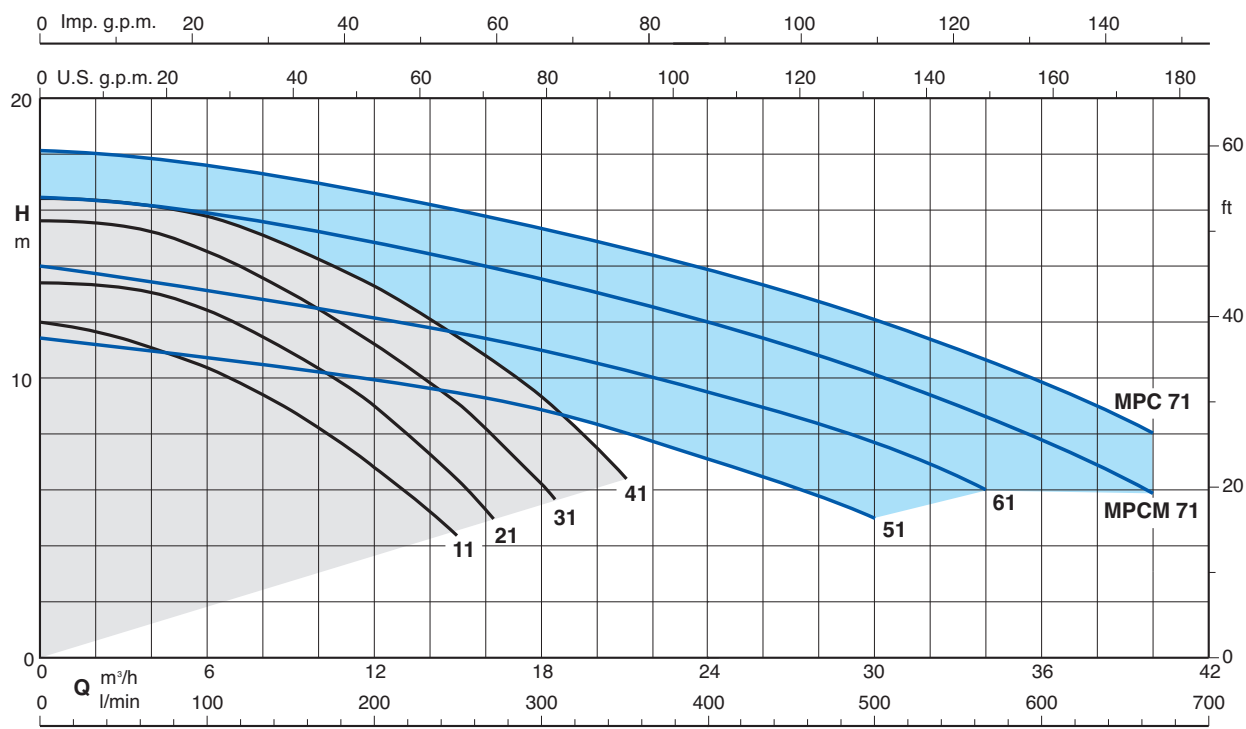
Special features on request

- Other voltages.
- Frequency 60 Hz (as per 60 Hz data sheet).

Certification marks for MPCM, up to 1,5 kW:



Coverage chart $n \approx 2800$ rpm



Performance $n \approx 2800$ rpm

3~	230 V 400 V		1~	230 V P ₁		P ₂		Q									
	A	A		A	kW	kW	HP		m ³ /h	0	3	6	9	12	15	18	21
									l/min	0	50	100	150	200	250	300	350
MPC 11	2,8	1,6	MPCM 11	3,3	0,73	0,37	0,5	H m	11,9	11,4	10,3	8,9	6,8	4,2			
MPC 21/A	3	1,7	MPCM 21/A	4,5	1	0,55	0,75		13,4	13,3	12,4	10,9	9	6,3			
MPC 31/B	3,7	2,2	MPCM 31/A	5,4	1,2	0,75	1		15,6	15,5	14,5	13	11,2	9,1	6,2		
MPC 41/A	4,7	2,7	MPCM 41	7	1,6	1,1	1,5		16,4	16,2	15,8	14,7	13,3	11,4	9,3	6,4	

3~ 230 V 400 V			1~ 230 V P ₁			P ₂		Q m ³ /h l/min	0	3	9	15	18	21	24	27	30	34	40
	A	A		A	kW	kW	HP		0	50	150	250	300	350	400	450	500	567	667
MPC 51/A	4,7	2,7	MPCM 51	7	1,6	1,1	1,5	H m	11,5	11	10,5	9,5	9	8	7	6	5		
MPC 61/A	6,2	3,6	MPCM 61	9,2	2	1,5	2		14	13,5	12,5	11,5	11	10,5	9,5	8,5	7,5	6	
			MPCM 71/B	11,2	2,5	1,8	2,5		16,4	15,9	14,9	14	13,4	12,7	12,1	11,3	10,2	8,5	5,8
MPC 71/B	9,15	5,3				2,2	3		18,2	18	17	16	15,5	14,5	14	13	12	10,5	8

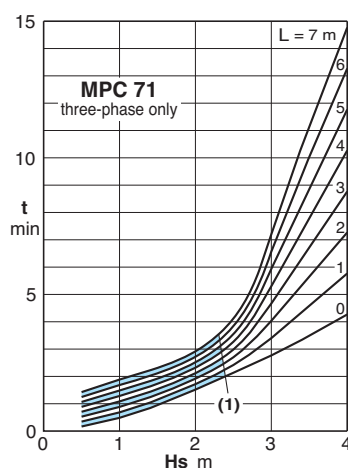
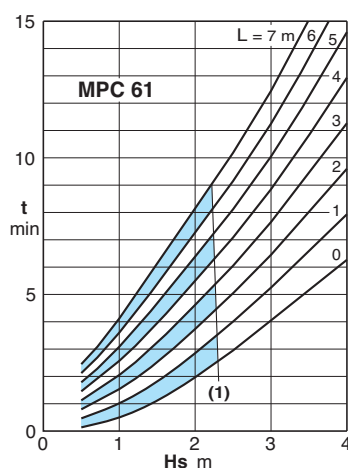
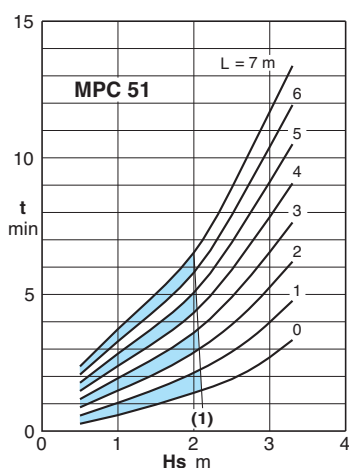
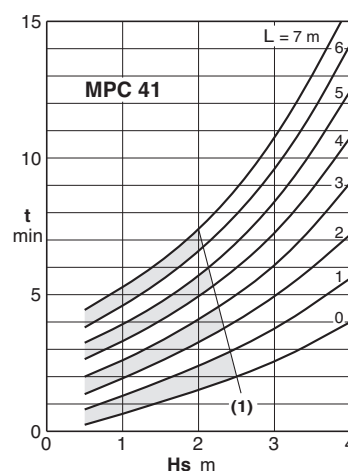
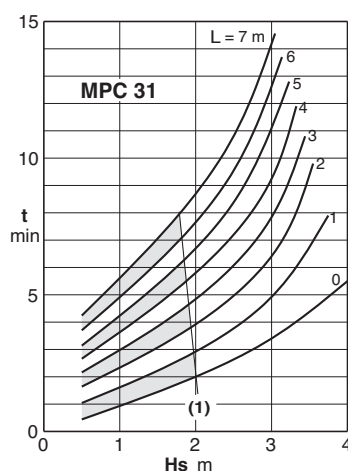
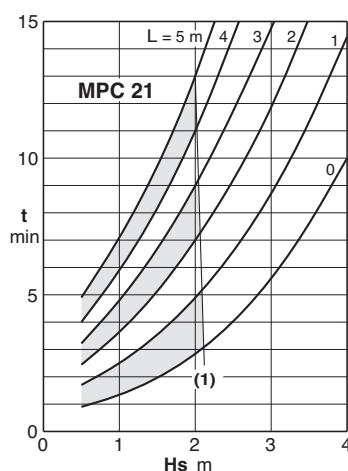
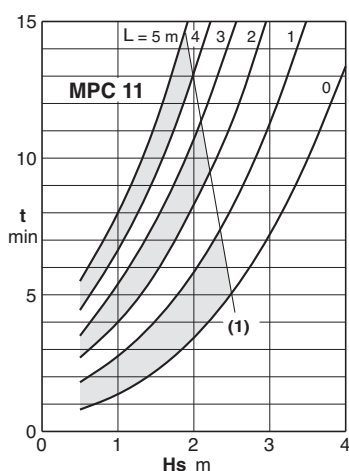
P₁ Max. power input.

P₂ Rated motor power output.

H Total head in m.

Tolerances in accordance with UNI EN ISO 9906:2012

Self-Priming Capability with the pump located above the water level

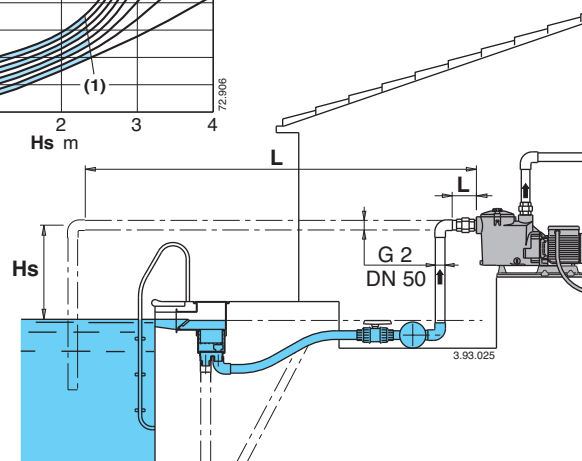


(1) Application limit for automatic self-repriming at each start-up, without check valve.

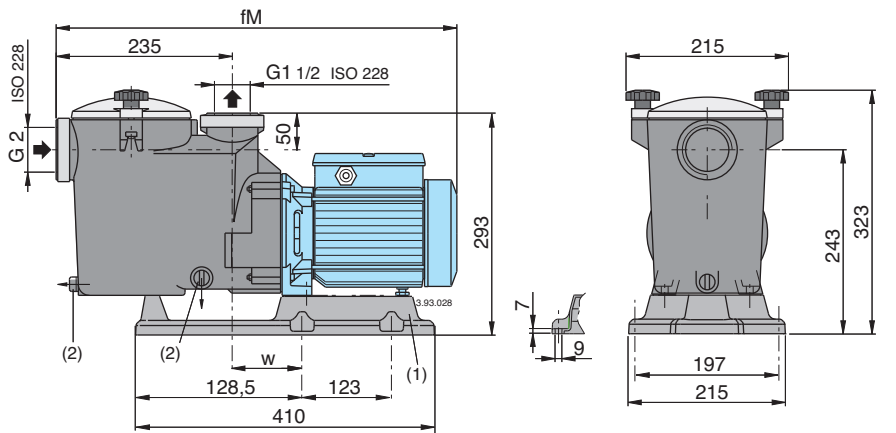
L (m) Horizontal length of suction pipe above the water level.

Hs (m) Suction lift.

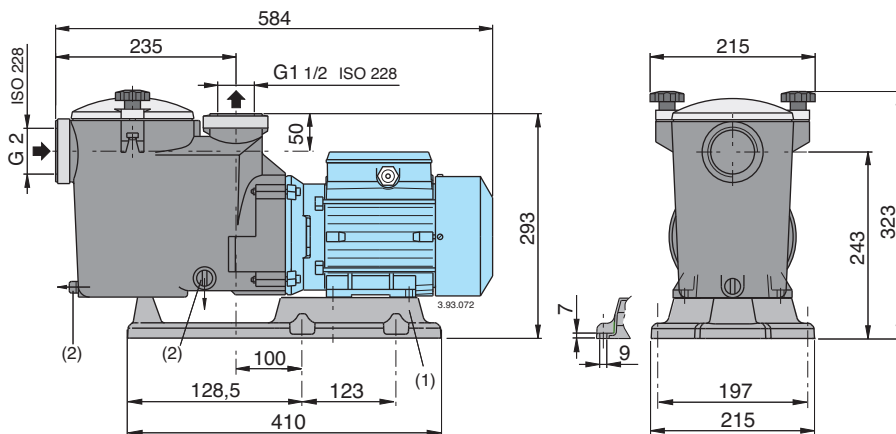
t (min) Self-priming time.



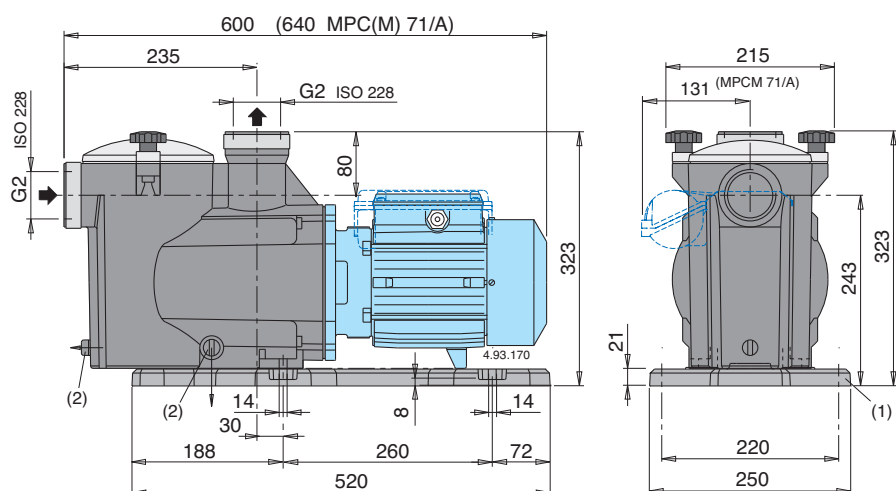
Dimensions and weights



TYPE	mm		kg	
	fM	w	MPC	MPCM
MPC 11 - MPCM 11	504	100	8,9	9
MPC 21/A - MPCM 21/A	536	100	10,2	11,3
MPC 31/B - MPCM 31/A	536	100	12,0	12,2



MPCM 41 17,5 kg
MPC 41/A 16,0 kg



MPCM 51 18,9 kg
MPC 51/A 17,4 kg
MPCM 61 20,7 kg
MPC 61/A 19,6 kg
MPCM 71/B 23,8 kg
MPC 71/B 22,5 kg

(1) Base-plate kit

(2) Draining

Features

