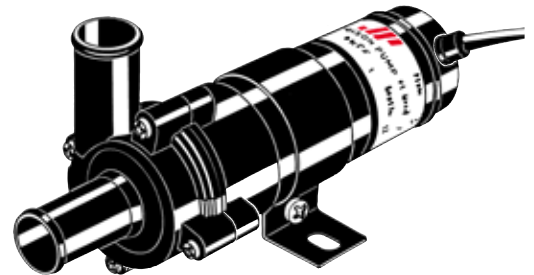




Photo: Hallberg-Rassy by Peter Szamer

Circulation Pumps

A line of compact magnetic driven centrifugal pumps, CM-series, which combine high flow rates with very low electric current consumption, making them ideally suited for circulating fresh water in live fish tanks, heating and cooling systems. C090 with mechanical seal and a motor designed for continuous operation. Designed also for fresh water handling



CE marked according to following standards:

CM10P7-1, CM30P7-1, CM90

- EN55014: 1993/Radio disturbance
- ISO8846: Small Craft – Electrical devices – Protection against ignition of surrounding flammable gases
- ISO10133: Small Craft – Electrical systems - Extra-low voltage d.c. installations
- 72/245/EEG, 95/54/EG Electromagnetic compatibility

C090P5-1

- EN55014: 1993/Radio disturbance
- 72/245/EEG, 95/54/EG Electromagnetic compatibility



CM10 & CM30

Pump body	PPA thermoplastic
Impeller	PPS thermoplastic
O-ring	EPDM
Shaft	Stainless steel
Magnet housing	PSU
Motor	12/24V DC enclosed (as per IP67) permanent magnet, ball bearing mounted motor, designed for continuous operation
Liquid temp.	Min -40°C Max +100°C
Hose connection	Ø 16 mm (5/8") or 20 mm (3/4") hose. Note! CM30P7-1 only available with 20 mm (3/4") hose connection.

Dimensions and weight

	CM10P7-1	CM30P7-1
Length	177 mm – 6.97"	177 mm – 6.97"
Width	68 mm – 2.68"	68 mm – 2.68"
Height	85 mm – 3.35"	85 mm – 3.35"
Weight	0.53 kg – 1.2 lbs	0.6 kg – 1.3 lbs

Ø 16 mm (5/8")

Order No.	Description	Capacity
10-24501-03	CM10P7-1, 12V	15 l/min at 0.1 bar (4 GPM at 3.3 ft)
10-24501-04	CM10P7-1, 24V	15 l/min at 0.1 bar (4 GPM at 3.3 ft)
10-24503-03	CM30P7-1, 12V	20 l/min at 0.1 bar (5.2 GPM at 3.3 ft)
10-24503-04	CM30P7-1, 24V	20 l/min at 0.1 bar (5.2 GPM at 3.3 ft)

Ø 20 mm (3/4")

Order No.	Description	Capacity
10-24502-03	CM10P7-1, 12V	18.5 l/min at 0.1 bar (5 GPM at 3.3 ft)
10-24502-04	CM10P7-1, 24V	18.5 l/min at 0.1 bar (5 GPM at 3.3 ft)
10-24504-03	CM30P7-1, 12V	26 l/min at 0.1 bar (6.9 GPM at 3.3 ft)
10-24504-04	CM30P7-1, 24V	26 l/min at 0.1 bar (6.9 GPM at 3.3 ft)



CM90

System pressure	-0.3 to +3.0 bar; stationary max. 4.0 bar
Liquid	water/glycol mixture; max. 60% glycol
Motor service life	More than 5,000 hours at nominal voltage 10,000 start/stops. Interchangeable motor.
Motor, voltage	Nominal 13.6V DC for use between 10-16V Nominal 27.2V DC for use between 20-32V
Input power	Max. 125W
Dry running	30 minutes
Dimensions	244 mm long x 120 mm wide x 150 mm high
Ports	Ø 38 mm (1 1/2")
Weight	3.0 kg (6.6 pounds)
Body	PPA, glass-fiber reinforced
Mounting	Separate universal bracket for flat surfaces

Order No.	Description	Capacity
10-24664-01	CM90P7-1, 12V	90 l/min (23.7 GPM) at 0.25 ba
10-24664-02	CM90P7-1, 24V	90 l/min (23.7 GPM) at 0.25 ba



C090

Pump body	PA66 thermoplastic
Impeller	PA66 thermoplastic
Shaft	Stainless steel
Shaft seal	Mechanical seal
Motor	12/24 V DC enclosed (as per IP31) permanent magnet, ball bearing mounted motor, designed for continuous operation
Liquid temp.	Min -30°C Max +100°C
Hose connection	Ø 38 mm (1.1/2") hose

Dimensions and weight

Length	211 mm – 8.3"
Width	117 mm – 4.6"
Height	110 mm – 4.56" from baseplate (totally 116 mm – 4.8")
Weight	1.75 kg – 3.8 lbs

Order No.	Description	Capacity
10-24190-1	C090P5-1, 12V	100 l/min at 0.1 bar (26.4GPM at 3.4 ft)
10-24190-2	C090P5-1, 24V	100 l/min at 0.1 bar (26.4GPM at 3.4 ft)