

SWIMMING POOL PUMPS

EUROSWIM



CE

Applications

self-priming centrifugal **high performance** electric pumps with incorporated high capacity pre-filter. **Completely watertight motor.** Extremely **silent** and **highly reliable**, developed for the circulation and filtration of water in domestic and residential swimming pools. Suitable also for special applications requiring handling of aggressive liquids, such as in fish farming, agriculture and industry.

Pump Construction Characteristics

- Pump body and pre-filter ring nut in technopolymer reinforced with glass fibre.
- Pre-filter cover in transparent anti-oxidising polycarbonate to guarantee constant visibility over time.
- Filter in nylon.
- Impeller in technopolymer reinforced with glass fibre.
- Diffuser in reinforced technopolymer.

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- Mechanical seal in carbon /alumina / NBR / AISI 316.
- Pump body O-ring in NBR, screws and reinforcement ring nuts in AISI 316 stainless steel.
- Butterfly filling and drain caps do not require special tools for removal or refitting.

Motor Construction Characteristics

- Continuous duty asynchronous motor (S1) 2-pole with wide range of outputs from 0.5 HP to 3 HP both single and three phase.
- Motor housing in die cast aluminium with cataphoresis paint treatment to prevent oxidation also in aggressive environments.
- Support base supplied as standard with rubber feet to dampen vibrations.
- Single phase version with built-in thermal and current overload protection and a capacitor permanently on (PSC), assembled inside the terminal board box on all versions.
- Protection rating of motor and terminal board box: IP55
- Insulation class: F
- Ball bearings: water-proof – watertight, resistant to water and humidity.
- Voltage range : 1 x 220V - 50Hz. 3 x 400V - 50Hz.

Technical Data

Operating range:	up to 42 to m ³ /h with head up to 22 m.
Characteristics of pumped liquid:	clean water or water slightly contaminated with suspended solid bodies, long fibres; particularly aggressive water with high percentages of chlorine/bromine and PHMB (Polyhexamethylene Biguanide) or water treated with chlorine electrolysis process.
PH range:	6.5 – 8.4
Liquid temperature range:	0°C to 60°C
Maximum ambient temperature:	50°C
Maximum working pressure:	2.5 bar
Nominal operating pressure:	0.8 – 1.2 Bar (ideal 1 Bar)
Installation:	fixed or portable in horizontal position

Hydraulic Data

MODEL	ELECTRICAL DATA				HYDRAULIC DATA												
	POWER(HP)	PHASE		FLOW (m ³ /hr)	HEAD (m)												
		SINGLE	THREE		0	3	6	9	12	18	21	24	30	36	42		
EUROSWIM 50	0.5	✓		12.0	11.7	11.2	10.5	9.3	5.3								
EUROSWIM 75	0.75	✓	✓	13.8	13.5	13.1	12.4	11.1	7.5	5.0							
EUROSWIM 100	1	✓	✓	15.4	15.4	15.0	14.2	13.1	10.0	7.8	5.6						
EUROSWIM 150	1.5	✓	✓	16.2	15.6	15.2	14.6	13.9	12.4	11.1	9.3	5.3					
EUROSWIM 200	2	✓	✓	18.6	18.2	17.7	17.1	16.5	15.0	14.1	12.8	9.0	4.0				
EUROSWIM 300	3		✓	22.0	21.9	21.7	21.3	20.8	19.6	18.9	18.1	15.9	12.5	8.6			



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