

ECOSUB



GENERAL DATA

Applications

Multi-purpose submersible pumps for drainage, emptying, pumping water between containers, to circulate water in garden ponds, create water falls and play water features.

Suitable to pump clear water containing particles with maximum diameter up to 1/2".

- * Drainage
- * Emptying sumps
- * Transferring water between large containers
- * Circulating water in Garden ponds
- * Water falls
- * Fountains

Constructional features of the pump

Technopolymer pump body.

Technopolymer impeller, diffuser, self-priming disc.

Anti-debris stainless steel strainer.

Constructional features of the motor

Induction motor, closed and cooled with liquid being pumped

Wear resistant shaft with triple lip seals to ensure a long life.

Built-in thermic overload protection

Capacitor permanently in circuit.

Manufactured according to UL 778 -2010 & CSA 108-1

Motor protection: NEMA6P

Insulation class: F

Cable Length: 16ft

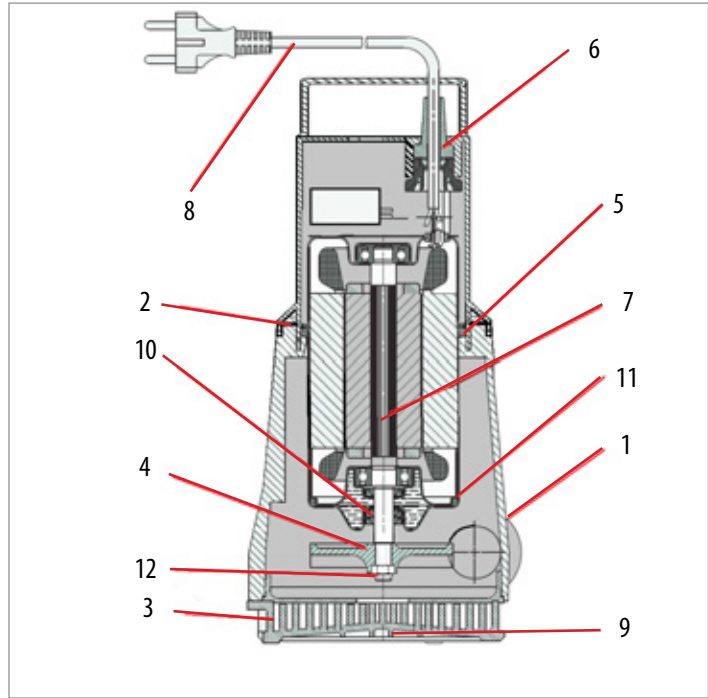
Standard voltage: 115v 60Hz

TECHNICAL DATA

MATERIALS

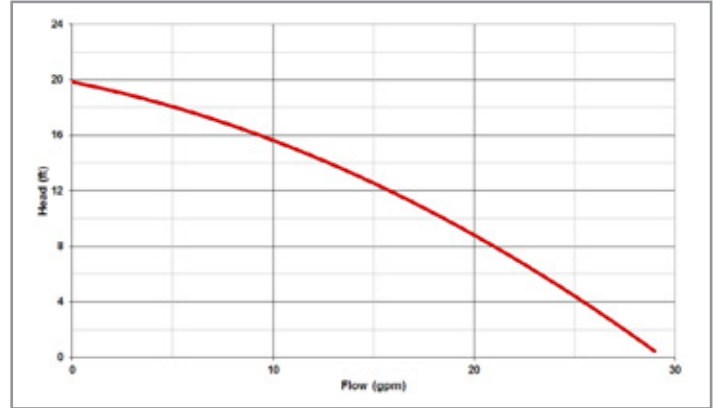
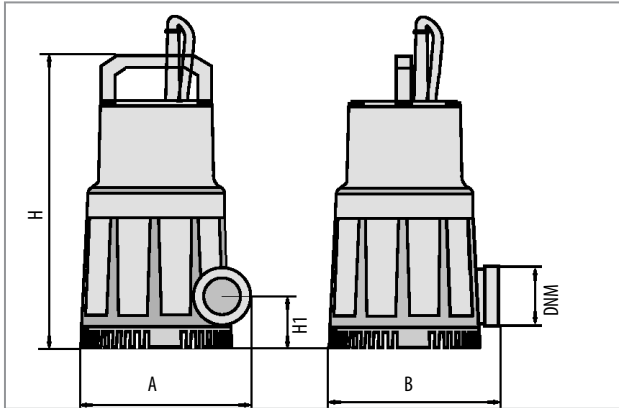
N°	PARTS*	MATERIALS
1	PUMP BODY	PP OMO 30% GF NAT GRADE 6
2	TOP BODY	PP OMO 30% GF NAT GRADE 6
3	SUCTION GRID	PP OMO 30% GF NAT GRADE 18
4	IMPELLER	NORYL
5	'O' RING	NBR 70
6	CABLE GLAND	NBR 70
7	ROTOR SHAFT	AISI 416 STAINLESS STEEL
8	CABLE	SJTOW
9	PUMP BASE	PP 30% GF NAT GRADE 6
10	TRIPLE LIP SEAL	NBR 70
11	MOTOR CASING	CAST ALUMINUM
12	LOCK NUT	STAINLESS STEEL A2

* In contact with liquid



Operating Range:	From 1 to 66 gpm with a head up to 30ft (13 psi)
Liquid quality requirements:	clean, free from solids or abrasive substances, non viscous, non aggressive, non crystallized, chemically neutral, close to the characteristics of water
Liquid temperature Range:	From 32°F to 104°F
Maximum solids	1/2"
Maximum ambient temp.	104°F
Maximum operating pressure	10 psi
Maximum submersion	16 ft
Installation:	fixed or portable in a vertical position
Special version on request	other voltages and/or frequencies

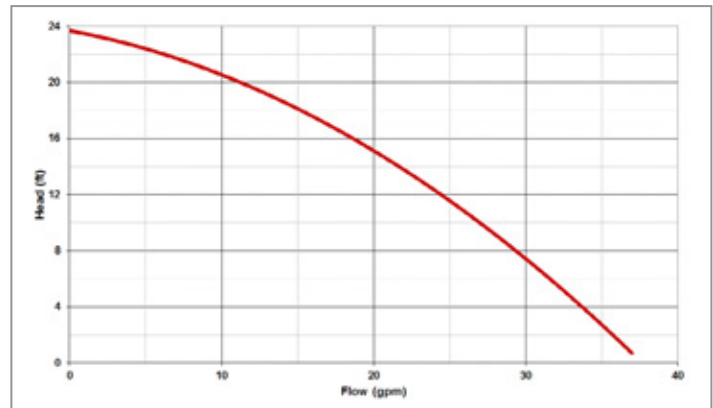
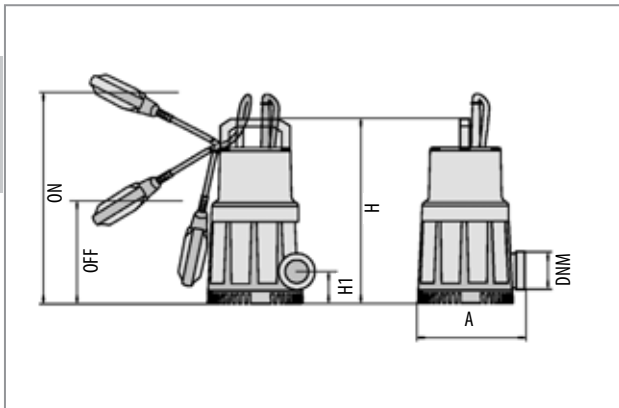
ECOSUB 400



MODEL	A	B	H	H1	DNM	Weight
ECOSUB 400	5 1/2"	6 1/4"	10 5/8"	1 3/4"	1 1/4" NPT	7.7 lbs

MODEL	ELECTRICAL DATA				HYDRAULIC DATA		
	Voltage 60Hz	P1		In A	MAX Flow	Max Head	Max Pressure
		Watt	Hp				
ECOSUB 400	115v	220	1/4	2.0	29 gpm	20 ft	8 psi

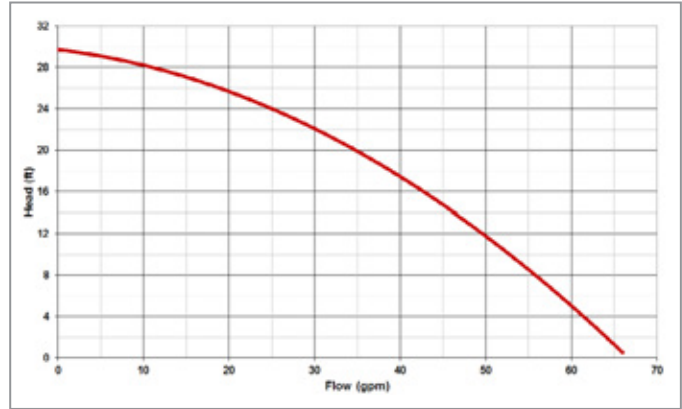
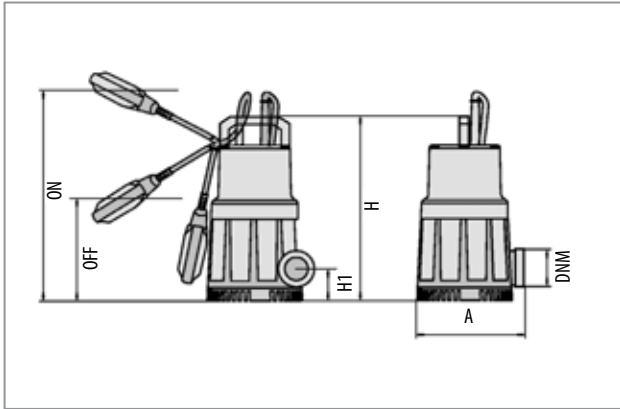
ECOSUB 410



MODEL	A	B	H	H1	OFF	ON	DNM	Weight
ECOSUB 410	5 1/2"	6 1/4"	10 5/8"	1 3/4"	N/A	N/A	1 1/4" NPT	8.2 lbs
ECOSUB 410 A	5 1/2"	6 1/4"	10 5/8"	1 3/4"	4"	10"	1 1/4" NPT	8.6 lbs

MODEL	ELECTRICAL DATA				HYDRAULIC DATA		
	Voltage 60Hz	P1		In A	MAX Flow	Max Head	Max Pressure
		Watt	Hp				
ECOSUB 410 & A	115v	370	1/3	3.0	37 gpm	23 ft	10 psi

ECOSUB 420



MODEL	A	B	H	H1	OFF	ON	DNM	Weight
ECOSUB 420	5 1/2"	6 1/4"	12"	1 3/4"	N/A	N/A	1 1/4" NPT	11.4 lbs
ECOSUB 420 A	5 1/2"	6 1/4"	12"	1 3/4"	11"	4"	1 1/4" NPT	12.0 lbs

MODEL	ELECTRICAL DATA				HYDRAULIC DATA		
	Voltage 60Hz	P1		In A	MAX Flow	Max Head	Max Pressure
	kW	Hp					
ECOSUB 420 & A	115v	750	1/2	7.1	66 gpm	30 ft	13 psi