

## JUNIOR PUPPY

### MODELS:

23670-4003 12V

23670-4103 24V



### FEATURES:

Continuous rated, medium duty pumps for bilge and general purpose use.

- ISO 8846 MARINE (Ignition protection).
- ISO 8849 MARINE (Bilge pump standard).
- Small bilge debris present no problem to these bronze bodied, flexible impeller pumps.
- Simple design means fewer wearing parts.
- 15.5 lpm (3.4 UK gpm) output @ 5m (16ft) head.
- Self priming to 2.5m (8 ft).

### JUNIOR PUPPY PERFORMANCE

Approximate performance for new pump, running water at 20°C with fully charged battery

TOTAL HEAD		JUNIOR PUPPY	
m	ft	lpm	UK gpm
5	16	15.5	3.4
10	33	13.5	3.0
15	49	11.5	2.5
20	66	8.5	1.9
25	82	5	1.0

### INSTALLATION INSTRUCTIONS:

Jabsco Junior Puppy can be mounted on any flat surface. Fit the pump in a dry, well ventilated position where there is full access for service. If installed in a vertical position the motor must be above the pump head. Use the rubber grommets provided to minimise vibration, do not overtighten the mounting screws.

Secure 19mm ( $\frac{3}{4}$ " id) hose either direct to the discharge ports or to ( $\frac{3}{8}$ " BSP male threaded fittings using stainless steel hose clamps. Use spiral reinforced hose (with a smooth internal bore) that will not collapse under suction, or rigid or semi rigid pipework systems. The pipework must be compatible with the liquid being pumped. Pipe runs should be kept as straight and short as possible, avoiding rising and dipping over obstructions. Fit a strainer on the inlet hose to prevent larger debris from entering the pump.

### WIRING INSTRUCTIONS

Make all electrical connections in dry locations, connections in humid environments should be sealed to prevent corrosion. Protect the circuit with a correctly rated fuse or circuit breaker in the red positive (+) lead as close as possible to the power source. Connect the black motor wire to the negative (-) battery terminal. Inadequate voltage at the motor terminals when the pump is running (not less than 10% below rated voltage at full load) due to partially discharged batteries or insufficient cable size may result in blowing fuses, failure to start or poor pump performance.

**WARNING:** If the fuse fails repeatedly do not fit a heavier fuse or bridge the fuse terminals with silver paper or metal wire. Failure to observe this instruction may result in a fire hazard due to overheating of cables.



**WARNING:** Do not use any Jabsco pump for petrol, petroleum products or any products with a flash point below 37°C (98°F), explosion or death may occur.



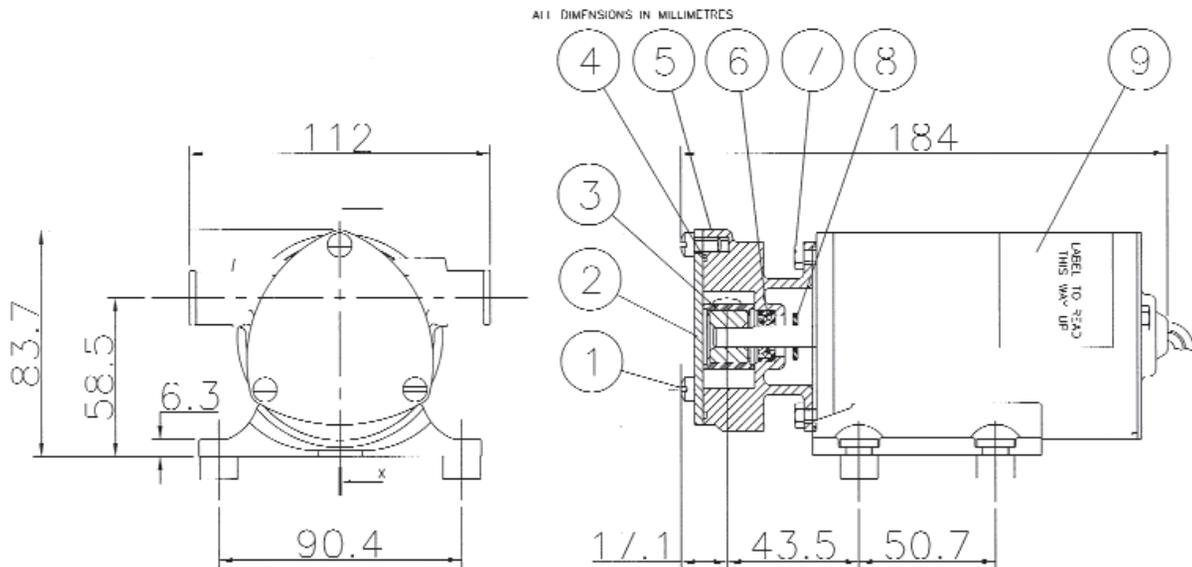
**WARNING:** All marine pumps discharging overboard must be installed with the overboard discharge well above both static and heeled waterlines.



ELECTRICAL WIRING INFORMATION					
MODEL NO.	VOLTAGE	MAXIMUM AMP DRAW	MAXIMUM FUSE SIZE	MINIMUM WIRE SIZE	MAXIMUM LENGTH BETWEEN (+) & (-) BATTERY TERMINALS
23670-4003	12 volt	13 amp	15 amp	30 / 0.25mm (1.5mm <sup>2</sup> )	4.5m (15ft) *
23670-4103	24 volt	7 amp	10 amp	32 / 0.2mm (1.0mm <sup>2</sup> )	4.5m (15ft) *

\* For longer installations, fit thicker cables

## DIMENSIONAL DRAWING & PARTS LIST



**WEIGHT:** Junior Puppy - 3kg (6.6lb)

JUNIOR PUPPY PARTS LIST			
KEY	DESCRIPTION	QUANTITY	PART NUMBER
1	End Cover Screw *	3	SP1004-09
2	End Cover	1	9328-0200
3	Impeller*	1	9200-0023
4	O' Ring*	1	X5251-049
5	Body	1	18646-2000
6	Seal*	1	SP2701-52
7	Screw (pump to motor)	2	X3001-147F
8	Slinger	1	6342
9	Motor 12V	1	98012-2652C
	Motor 24V	1	98012-2653C
Service Kit (Contains Items Marked *)			SK400-23

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