

Sump Pumps



Model Number:
D23A/B



COMMERCIAL

LOW FLOW SUBMERSIBLE PUMP

APPLICATION

Ideal for lawn and garden irrigation and sump emptying to low heads

FEATURES & BENEFITS

- **Float switch fitted** for automatic operation
- **Double mechanical seal, one in the oil bath on the motor and an extra mechanical seal on pump** for superior reliability and a long service life
- **Corrosion resistant 304 stainless steel shaft, motor shell and fasteners** for longer service life
- **Centrifugal multi-stage 3 impeller design** for low flow applications
- **In-built automatic thermal overload** to protect the motor in the event of blockage or voltage supply problems
- **H07RNF oil resistant leads, 10 meters long with 3 pin power plug** for longer life in dirty water and easy connection to the mains power supply

Sump Pumps

Suitable Fluids

Clean water of neutral pH containing up to 1% small solids. Some wear should be expected if pumping hard solids in suspension.

Priming and Operation

Use a rope to position and retrieve the pump. Do not lower or retrieve the pump using the power lead as this may damage the cable entry seals, causing water leaks and unsafe operation.

Don't use this product for recirculating or filtering swimming pools, spas, etc.

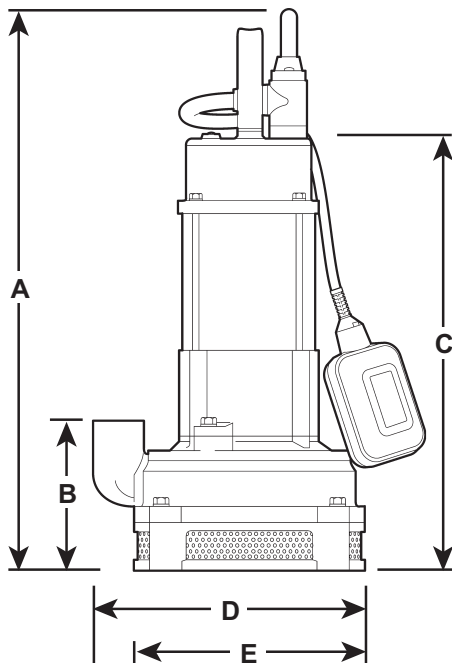
While these pumps are built to high safety standards, they are not approved for installations where people will be in the water while they are operating.

Don't pump abrasive materials. Sand and grit in the water being pumped will accelerate wear, causing shortened pump life.

Keep your pump clean, particularly in situations where lint, hair or fibrous materials may get bound around the pump shaft. Inspection every 6 months and cleaning will extend pump life.

Make room for the float switch to operate. Automatic models have a float switch to turn them on when the water level rises and turn them off again when it has been pumped down to the safe operating level of the pump. If the float switch is not free to rise and fall, correct pump operation may not be possible.

| DIMENSIONS (mm) | | | | | | |
|-----------------|-----|-----|-----|-----|--------------|-----------------|
| A | B | C | D | E | Outlet B.S.P | Net Weight (kg) |
| 380 | 120 | 260 | 195 | 160 | 1" F | 6.25 |



| OPERATING LIMITS | |
|----------------------------------|----------|
| Capacities to | 52 lpm |
| Maximum total head | 22.5m |
| Maximum submergence | 7m |
| Maximum pumped water temperature | 40° C |
| Minimum soft solids | 1mm O.D. |
| Outlet size | 1" F |

| ELECTRICAL DATA | |
|----------------------|-------------------|
| Supply voltage | 220-240V |
| Supply frequency | 50Hz single phase |
| Speed | 2 pole, 2850rpm |
| Full load current | 1.8A |
| Locked rotor current | 14A |
| Input power (P1) | 0.38kW |
| Output power (P2) | 0.2kW |
| IP rating | X8 |
| Insulation class | Class I |
| Lead | 10m long |

| MATERIALS OF CONSTRUCTION | |
|----------------------------|---------------------------------|
| Part | Material |
| Impeller | Polycarbonate & fiberglass |
| Lock nut | 304 Stainless Steel |
| Pump casing | Polyoxymethylene & Fiberglass |
| Diffuser and blanking ring | Polyoxymethylene |
| Mechanical seal - pump | Carbon / ALOX |
| Mechanical seal - motor | Silicon Carbide / ALOX |
| Pump shaft | 410 Stainless Steel |
| Orings | Nitrile Rubber |
| Motor shell | 304 Stainless Steel |
| Bottom bearing housing | Acrylonitrile Butadiene Styrene |
| Upper motor cover | Nylon 66 |
| Handle | Acrylonitrile Butadiene Styrene |
| Fasteners | 304 Stainless Steel |
| Float & power supply leads | Blended Rubber |

HYDRAULIC PERFORMANCE

