

SUBMERSIBLE VORTEX PUMPS
 Model Numbers: D75VA & DT08V

DEPEND ON
DAVEY

WATER PRODUCTS

SUMP PUMPS

PRODUCT DESCRIPTION

High flow vortex submersible sump pumps with a choice of single or three phase motors.

APPLICATIONS

- Grey water pumping
- Sump emptying
- Septic effluent disposal
- Water transfer
- Pumping of light slurries and factory waste



FEATURES & BENEFITS

Corrosion resistant 304 stainless steel shaft, motor shell and fasteners

- Long service life

Open impeller, vortex, centrifugal design

- Able to pump soft solids in suspension
- Less susceptible to blockage

Double mechanical shaft seal in oil bath with hard faced silicon carbide / ceramic seal on pump side

- Added motor protection
- Long service life

Sand slinger lip seal

- Added protection
- Long service life

Adaptable to Davey SR80 slide rail kits

- Easier installation & removal for service

Corrosive resistant 304 stainless steel motor case

- Long service life
- Attractive, lasting appearance

Automatic resetting thermal overload

- Protected against overloading

D75VA model fitted with automatic float switch with a present float length

- Safe unattended operation

Mounting base fitted

- For a firm and stable positioning during installation and operation

HO7RNF oil resistant leads, 10 metres long with bared wire lead ends

- Easy to connect to power supply terminations
- Longer life in dirty water

OPERATING LIMITS

| | |
|----------------------------|-----------|
| Capacities to | 500lpm |
| Heads to | 9m |
| Max. submergence | 25m |
| Max. operating temperature | 50°C |
| Max. soft solids | 60mm O.D. |

Suitable Fluids
 Clean or "grey water" of neutral pH containing up to 20% small soft solids or 1% fine solids. Some wear should be expected while pumping hard solids in suspension.



TECHNICAL SPECIFICATIONS

MATERIALS OF CONSTRUCTION

| PART | MATERIAL |
|-------------------------------|--|
| Impeller | Cast iron |
| Pump casing | Cast iron |
| Outlet | Cast iron |
| Shaft seal | pump side motor side |
| | Silicon carbide/ceramic Carbon/ceramic |
| | Mechanical seals in captive oil bath with oil seal |
| Shaft seal elastomer | Nitrile rubber |
| Pump shaft | 304 stainless steel |
| Orings | Nitrile rubber |
| Motor shell | 304 stainless steel |
| Handle | 304 stainless steel |
| Fasteners | 304 stainless steel |
| Float & power supply leads | HO7RN-F oil resistant |

ELECTRICAL DATA

| | D75VA | DT08 |
|----------------------|---------------------|----------|
| Supply voltage | 220-240V | 380-415V |
| 50Hz - Phase | Single | Three |
| Speed | 2 pole, 2850rpm | |
| Output power | 0.75kW | 0.75kW |
| Full load current | 7.5A | 1.5A |
| Locked rotor current | 22.5A | 10.5A |
| Insulation class | Class F | |
| IP rating | X8 | |
| Starting | CSCR | DOL |
| Electrical lead | H07RNF x 10m length | |

INSTALLATION & PRIMING

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. Regular inspection 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.

Don't run your pump dry. Non-automatic models must be switched off manually or by way of an external float/level switch when the water level is reduced to the top of the pump housing.

This literature is not a complete guide to product usage. Further information is available from your Davey dealer, Davey Customer Service Centre and from the relevant product installation and Operating Instructions. This data sheet must be read in conjunction with the relevant product Installation and Operating Instructions and all applicable statutory requirements. Product specifications may change without notice.

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WATER PRODUCTS

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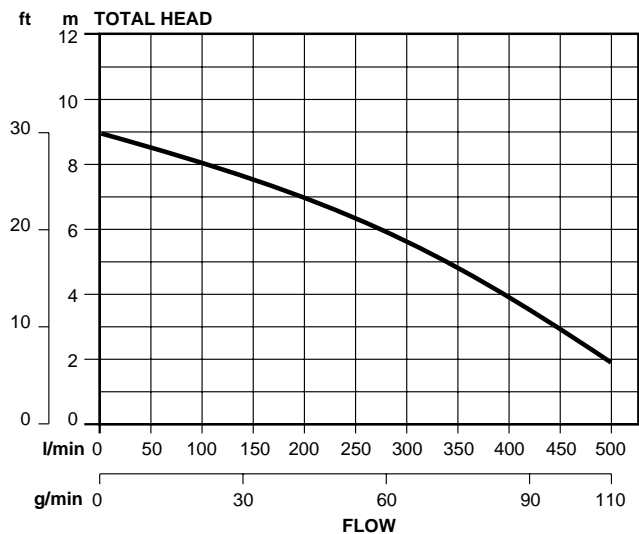
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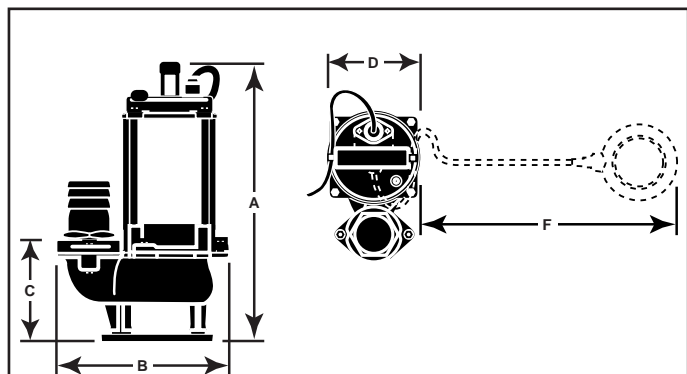
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HYDRAULIC PERFORMANCE



DIMENSIONS



| Model | A | B | C | D | E | B.S.P. | Net Weight (kg) |
|-------|-----|-----|-----|-----|-----|--------|-----------------|
| D75VA | 530 | 270 | 165 | 150 | 330 | 3°F | 22.5 |
| DT08V | 440 | 270 | 165 | 150 | N/A | 3°F | 21.0 |

All dimensions in mm unless otherwise stated.



Visit Davey on-line for further information
www.davey.com.au