



Depend on Davey

DAVEY

APPLICATIONS

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

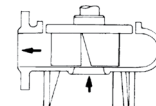
WHY CHOOSE THE Davey Submersible Single Channel Pump?

Corrosion resistant 304 stainless steel shaft, motor shell and fasteners.

- Long service life
- Attractive, lasting appearance

Open impeller, single channel, centrifugal design.

- Able to pump soft solids in suspension
- Less susceptible to blockage
- Capable of higher heads/pressure



Single Vane
'S' Series

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

Automatic resetting thermal overload.

- Protected against overloading

D75SA model fitted with automatic float switch with a preset float length.

- Safe unattended operation

All units fitted with 10m harmonized HO7RNF oil resistant lead cable with bared ends.

- Easy connection to power supply

Mounting base fitted.

- For a firm and stable positioning during installation and operation

Slide rail kits available.

- For easy removal and re-installation



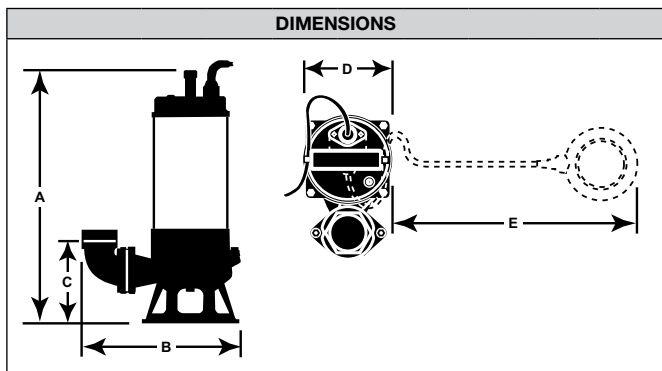
Davey® Submersible Single Channel Pumps

Model Numbers:

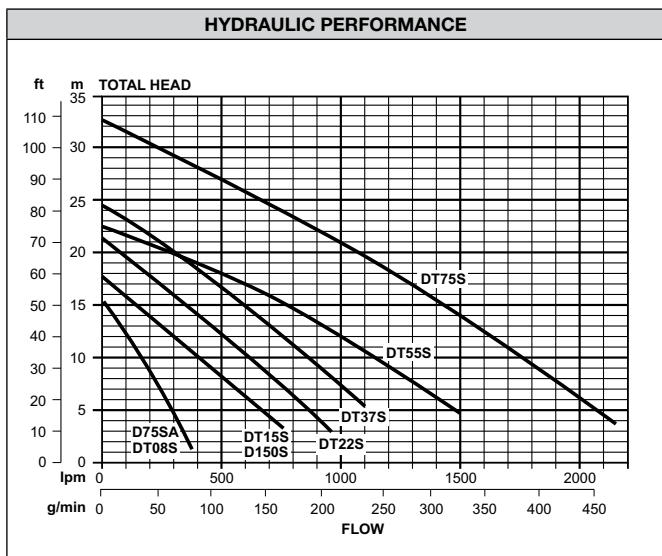
D75SA, D150S, DT08S, DT15S, DT22S, DT37S, DT55S & DT75S

High head single channel soft solids handling submersible sump pumps with a choice of single or three phase motors. Optional 316SS version also available.





Model	A	B	C	D	E	B.S.P	Weight (kg)	Rail Kit
D75SA	495	310	160	195	330	2" F	30.0	SR50
DT08S	435	310	160	195	N/A	2" F	28.5	SR50
D150S	505	385	180	240	N/A	3" F	41.0	SR80
DT15S	470	385	195	240	N/A	3" F	37.0	SR80
DT22S	520	405	190	240	N/A	3" F	47.0	SR80
DT37S	555	405	210	250	N/A	4" F	52.0	SR100
DT55S	690	570	315	260	N/A	4" F	85.0	SR100
DT75S	760	645	340	260	N/A	4" F	90.0	SR100



Part	MATERIALS OF CONSTRUCTION	
	Std Model	316SS Model
Impeller	Cast Iron	316 Stainless Steel
Pump Casing	Cast Iron	316 Stainless Steel
Outlet	Cast Iron	316 Stainless Steel
Shaft Seal Pump Side	Silicon Carbide / Ceramic	
Shaft Seal Motor Side	Carbon / Ceramic mechanical seals in captive oil bath with oil seal	
Shaft Seal Elastomer	Nitrile Rubber	Viton
Pump Shaft	304 Stainless Steel	316 Stainless Steel
O-rings	Nitrile Rubber	Viton
Motor Shell	304 Stainless Steel	316 Stainless Steel
Handle	304 Stainless Steel	316 Stainless Steel
Fasteners	304 Stainless Steel	316 Stainless Steel
Float & Power Supply Lead	HO7RNF-F Oil Resistant	

ELECTRICAL DATA								
Common to all models								
Speed	2 Pole, 2850rpm							
Insulation Class	Class F							
IP Rating	X8							
Electrical Lead	H07RNF x 10m length							
	D75SA	D150S	DT08S	DT15S	DT22S	DT37S	DT55S	DT75S
Supply Voltage	220-240V			380-415V				
50Hz - Phase	Single			Three				
Output Power	0.75kW	1.5kW	0.75kW	1.5kW	2.2kW	3.7kW	5.5kW	7.5kW
Full Load Current	7.5A	13.0A	1.7A	3.0A	4.5A	7.5A	12.3A	16.5A
Locked Rotor Current	22.5A	65.0A	10.5A	22.0A	31.5A	49.0A	66.0A	78.0A
Starting	CSIR	CSIR	DOL	DOL	DOL	DOL	DOL	DOL

60Hz data available on request

OPERATING LIMITS	
Capacities to	2150lpm
Heads to	32m
Max. Submergence	25m
Max. Operating Temperature	40°C
Max. Soft Solids	up to 80% of discharge size
Suitable Fluids	
Semi-screened sewage 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.	

INSTALLATION AND PRIMING

Use a rope, cable or chain 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.



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This literature is not a complete guide to product usage. Further information is available from your Davey Dealer, Davey Support Centre and from the relevant product Installation and Operating Instructions. 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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