

## SUBMERSIBLE DEWATERING PUMPS

**Model Numbers:** D75A, D75M, D150, DT08, DT15, DT22, DT37, DT55 & DT75

DEPEND ON  
**DAVEY**

**WATER PRODUCTS**

### SUMP PUMPS

#### PRODUCT DESCRIPTION

Dewatering submersible sump pumps with a choice of single or three phase models.

#### APPLICATIONS

- Sump emptying
- Septic water disposal
- Water transfer
- Pumping of neutral, non-aggressive factory waste water



60Hz and/or 316SS models available.

#### FEATURES & BENEFITS

Corrosion resistant 304 stainless steel shaft, motor shell and fasteners

- Long service life
- Attractive, lasting appearance

Open impeller, centrifugal design

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

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

D75A model fitted with automatic float switch with a present float length

- Safe unattended operation

Low velocity inlet strainer fitted

- For a firm and stable positioning during installation and operation
- To restrict pumping of solids which may damage or block the pump

HO7RNF oil resistant leads with bare wire lead ends

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

#### OPERATING LIMITS

Capacities to	1950 lpm
Heads to	32.5 m
Max. submergence	25 m
Max. operating temperature	40°C
Max. soft solids	10mm dia.

#### Suitable Fluids

Clean or "grey water" of neutral pH containing up to 10% 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	Std Model	316SS Model
Pump casing	Cast iron	316SS
Outlet	Cast iron	316SS
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	Viton
Pump shaft	304 stainless steel	316SS
Orings	Nitrile rubber	Viton
Motor shell	304 stainless steel	316SS
Handle	304 stainless steel	316SS
Fasteners	304 stainless steel	316SS
Float & power supply leads	HO7RN-F oil resistant	

## ELECTRICAL DATA

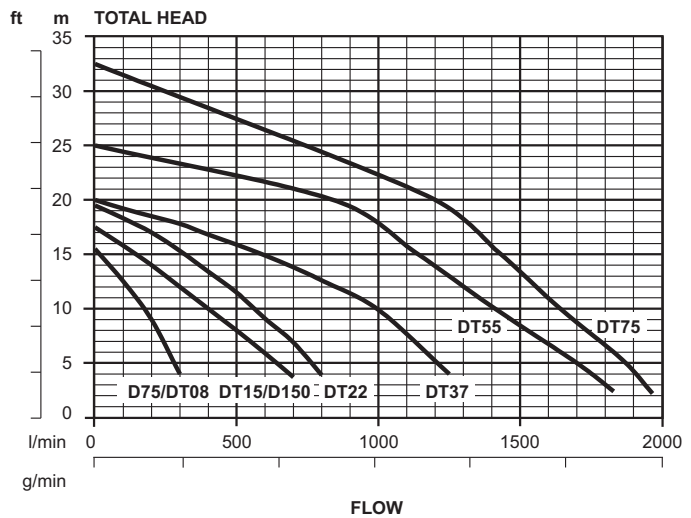
	Common to all models		
Speed	2 pole, 2850rpm		
Insulation class	Class F		
IP rating	X8		
Electrical lead	HO7RNF x 10m length		

	D75A&M	D150	DT08
Supply voltage	220-240V	220-240V	380-415V
50Hz - Phase	Single	Single	Three
Output power	0.75kW	1.5kW	0.75kW
Full load current	7.5A	9.5A	1.7A
Locked rotor current	22.5A	48.0A	10.5A
Starting	CSIR	CSIR	DOL

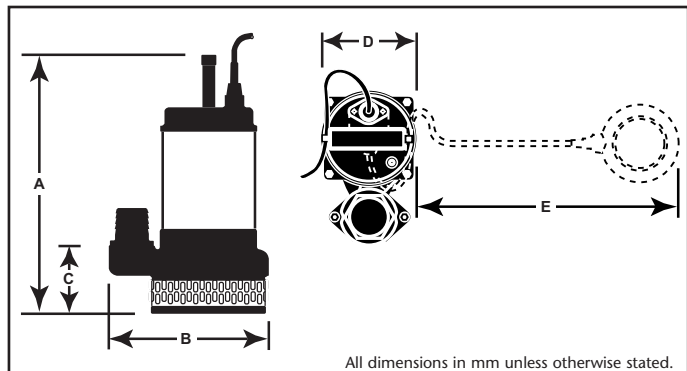
	DT15	DT22	DT37	DT55	DT75
Supply voltage	380-415V				
50Hz - Phase	Three				
Output power	1.5kW	2.2kW	3.7kW	5.5kW	7.5kW
Full load current	3.0A	4.5A	7.5A	11.9A	16.5A
Locked rotor current	22A	31.5A	49A	66A	78A
Starting	DOL				

60Hz data available on request.

## HYDRAULIC PERFORMANCE



## DIMENSIONS



Model	A	B	C	D	E	B.S.P.	Net Weight (kg)
D75A&M	477	251	112	190	330	2" F	24.0
D150				240	N/A	3" F	49.0
DT08	414	251	112	190	N/A	2" F	21.0
DT15	440	289	106	190	N/A	3" F	26.0
DT22	503	313	145	190	N/A	3" F	39.0
DT37	518	313	145	220	N/A	4" F	45.0
DT55				260	N/A	4" F	65.0
DT75				260	N/A	6" F	75.0

## 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.



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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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