

Sump Pumps



Model Numbers:
D75A, D75M, D150, DT08,
DT15, DT22, DT37



DEWATERING SUBMERSIBLE SUMP PUMPS

APPLICATION

Ideal for sump emptying, septic water disposal, water transfer and pumping of neutral, nonaggressive factory waste water.

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

H07RNF oil resistant leads with bare wire lead ends

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

Hose tail provided for temporary installations

- Ideal for use with lay-flat hose (hose clamp not included)

Sump Pumps

OPERATING LIMITS

Capacities to	1200 lpm
Maximum total head	24m
Maximum submergence	25m
Maximum operating temperature	40°C
Maximum soft solids	10mm diameter

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.

MATERIALS OF CONSTRUCTION

PART	MATERIAL	
Model	Standard	316SS
Impeller	Cast iron	316SS
Pump casing	Cast iron	316SS
Outlet	Cast iron	316SS
Shaft seal – pump side – motor side	Silicon carbide/ceramic Carbon/ceramic Mechanical seal in captive oil bath with oil seal	
Shaft seal elastomer	Nitrile rubber	Viton
Pump shaft	304 stainless steel	316SS
Orings	Nitrile rubber	
Motor shell	304 stainless steel	316SS
Handle	304 stainless steel	316SS
Fasteners	304 stainless steel	316SS
Float & power supply leads	HO7RN-F oil resistant	

INSTALLATION AND 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.

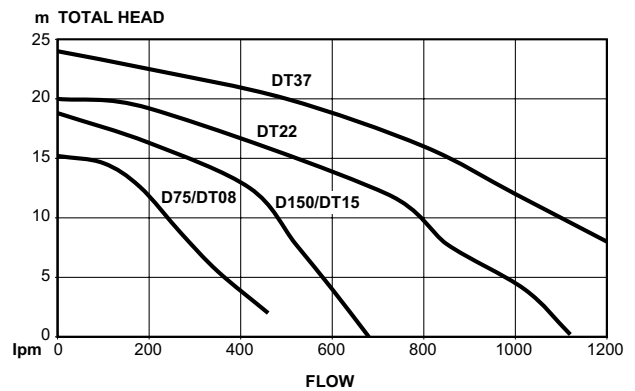
Make room for the float switch to operate. Automatic models have a float switch to turn them on when the water level rises and turn them off again when it has been pumped down to the safe operating level of the pump. If the float switch is not free to rise and fall, correct pump operation may not be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

ELECTRICAL DATA

Model	D75A/M	D150	DT08	DT15	DT22	DT37
Speed	2 pole, 2850rpm					
Insulation class	Class F					
IP rating	X8					
Electrical lead	HO7RNF x 10m length					
Supply voltage (V)	220-240			380-415		
Phase	Single			Three		
Output Power	0.75kW	1.5kW	0.75kW	1.5kW	2.2kW	3.7kW
Full load current	7.5A	13A	1.7A	3.0A	4.5A	7.5A
Locked rotor current	22.5A	65A	10.5A	22A	31.5A	49A
Starting	CSIR			DOL		

HYDRAULIC PERFORMANCE



DIMENSIONS (mm)

Model	A	B	C	D	E	Outlet (BSP F)	Weight (kg)
D75A/M	477	251	112	190	330	2"	24.0
D150	505	275	106	240	N/A	3"	49.0
DT08	414	251	112	190	N/A	2"	21.0
DT15	440	289	106	190	N/A	3"	26.0
DT22	503	313	145	190	N/A	3"	39.0
DT37	518	313	145	220	N/A	4"	45.0

