Sump Pumps

Model Numbers:
D75KA, DT08K, DT15K, DT22K, DT37K, DT55K & DT75K

COMMERCIAL

AUTOMATIC SINGLE CHANNEL SEWAGE PUMP WITH CUTTING IMPELLER

APPLICATION

Ideal for sewage water pumping, sump emptying, septic effluent disposal, water transfer, pumping of light slurries and factory waste and pumping waste water with stringy or long soft solids in suspension.

FEATURES & BENEFITS

- **Corrosion resistant 304 stainless steel shaft, motor shell and fasteners** for a long service life and an attractive, lasting appearance
- **Open impeller, single channel, centrifugal design with cutting leading edge**
  - able to pump soft solids in suspension
  - less susceptible to blockage
  - capable of higher heads/pressure
  - able to cut string like materials, reducing the risk of blockage in pump or pipework
- **Double mechanical shaft seal in oil bath with hard faced silicon carbide/ceramic seal on pump side/ sand slinger lip seal** for added motor protection and long service life
- **Automatic resetting thermal overload** for protection against overloading
- **D75KA model fitted with automatic float switch with a present float length** for safe unattended operation
- **All units fitted with10m harmonized cable with bared ends** for easy connection to power supply and long life in dirty water
- **Mounting base fitted** for a firm and stable positioning during installation and operation
- **Slide rail kits available** for easy removal and re-installation
- **Hose tail provided for temporary installations;** ideal for use with lay-flat hose (hose clamp not included)
- **Available with a choice of single or three phase motors**
- **Also available in 60Hz model**

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OPERATING LIMITS

Maximum submergence	20m
Maximum operating temperature	40°C
Maximum 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% string like solids. Some wear should be expected while pumping hard solids in suspension.

Note: Cutter pumps are not suitable for sanitary products - use Grinder models.

ELECTRICAL DATA

	Common to all models	
Speed	D75KA, DT08K, DT15K, DT22K, DT37K	2 pole, 2850 rpm
	DT55K, DT75K	4 pole, 1450 rpm
Insulation class	Class F	
IP rating	X8	
Electrical lead	H07RNF x 10m length	
Insulation class	Class F	

	D75KA	DT08K
Supply voltage	220-250V	380-440V
50Hz - Phase	Single	Three
Output power	0.75kW	
Full load current	7.5A	1.9A
Locked rotor current	22.5A	10.5A
Starting	CSIR	DOL

	DT15K	DT22K	DT37K	DT55K	DT75K
Supply voltage	380-440V				
50Hz - Phase	Three				
Output power	1.5kW	2.2kW	3.7kW	5.5kW	7.5kW
Full load current	3.0A	4.5A	6.7A	11A	16A
Locked rotor current	22A	31.5A	49A	66A	78A
Starting	DOL				

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.

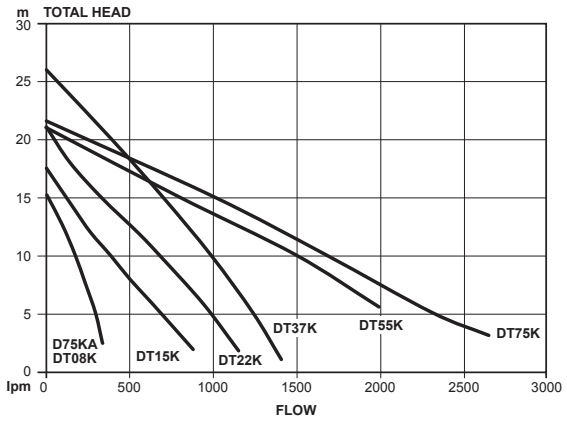
Make room for the float switch to operate. Automatic models have a float switch to turn them on when the water level rises and turn them off again when it has been pumped down to the safe operating level of the pump. If the float switch is not free to rise and fall, correct pump operation may not be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

MATERIALS OF CONSTRUCTION

PART	MATERIAL
Impeller	Cast iron
Cutting tip	Tungsten carbide
Diffuser plate	Hardened case iron
Pump casing	Cast iron
Outlet	Cast iron
Shaft seal: - pump side - motor side	Silicon carbide/ceramic Carbide/ceramic Mechanical seals in captive oil bath with oil seal
Shaft seal elastomer	Nitrile rubber
Pump shaft	304 stainless steel
O-rings	Nitrile rubber
Motor shell	304 stainless steel
Handle	304 stainless steel + NBR
Fasteners	304 stainless steel
Float & power supply leads	HO7RN-F oil resistant

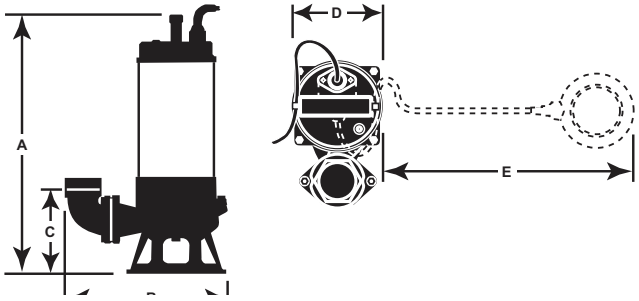
HYDRAULIC PERFORMANCE



DIMENSIONS (MM)

Model	A	B	C	D	E	B.S.P.	Net Weight (kg)	Rail Kit
D75KA	530	310	160	195	265	2"F	30.0	SR50
DT08K	465	310	160	195	N/A	2"F	28.5	SR50
DT15K	515	360	200	240	N/A	3"F	37.0	SR80
DT22K	560	400	210	240	N/A	3"F	47.0	SR80
DT37K	600	450	210	245	N/A	4"F	52.0	SR80*
DT55K	745	725	380	400	N/A	4"F	85.0	SR100
DT75K	795	725	380	400	N/A	4"F	90.0	SR100

* Standard model fits SR80 rail kit. 3" x 4" flange adaptor (P/N: 403380) allows use of SR100 rail kit. 316SS adaptor P.O.A.



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