



MECHLION® MDP Series Submersible Dewatering Pump

Model Numbers:

S0040 S0075 T0150H T0220H T0370H T0550H
T0750H T1100 T1100H T1500 T1850 T2200

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

APPLICATIONS

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

WHY CHOOSE THE MECHLION® Submersible Dewatering Pump?

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

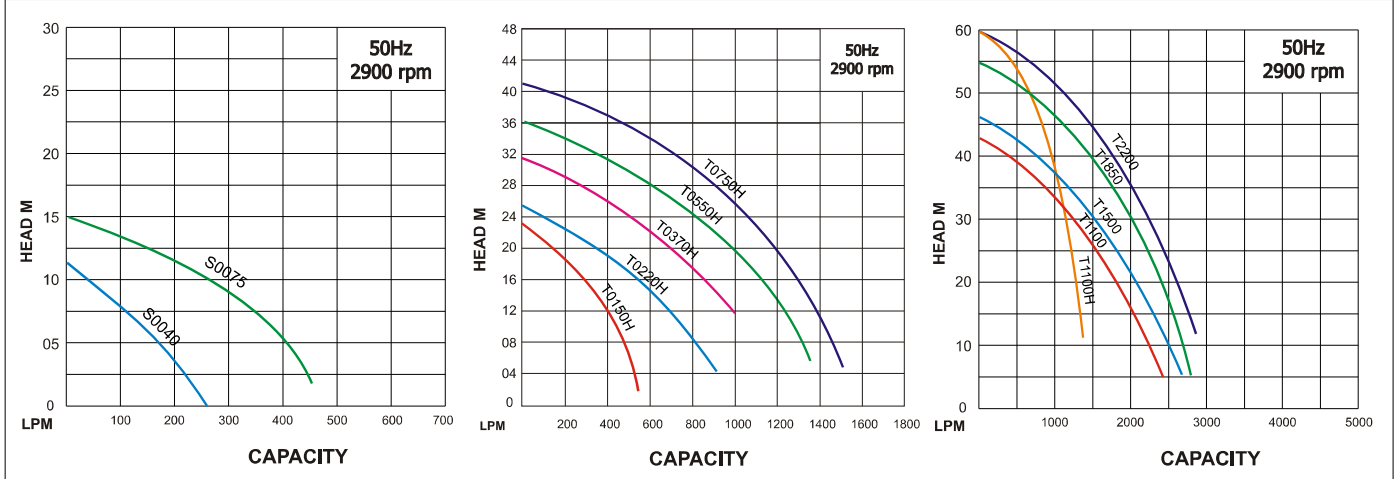
Low velocity inlet strainer fitted

- 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

PERFORMANCE CURVES



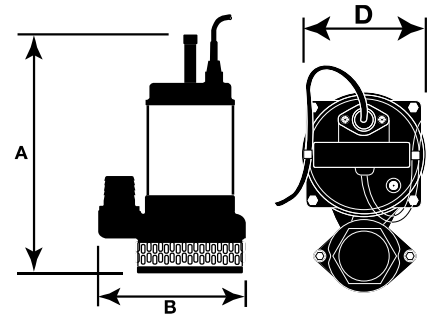
OPERATING LIMITS

Capacities up to	2800 lpm
Maximum total head	60m
Maximum submergence	25m
Maximum operating temperature	40°C
Maximum soft solids	12 mm
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.	

MATERIAL OF CONSTRUCTION

	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	

DIMENSIONS



	A	B	D	B.S.P.	Weight (kg)
S0040	383	215	148	2" F	10.0
S0075	477	251	190	2" F	24.0
T0150H	440	289	190	2" F	26.0
T0220H	503	313	220	2" F	39.0
T0370H	518	313	220	2" F	45.0
T0550H	639	572	270	3" F	65.0
T0750H	692	572	270	4" F	75.0
T1100	692	647	270	6" F	85.0
T1100H	692	647	270	6" F	85.0
T1500	880	690	310	6" F	167.8
T1850	880	690	310	6" F	175.0
T2200	880	690	310	6" F	183.0

All dimensions in mm unless otherwise stated.

ELECTRICAL DATA

Model	S0040	S0075	T0150H	T0220H	T0370H	T0550H	T0750H	T1100	T1100H	T1500	T1850	T2200
Speed	2 Pole , 2900 rpm						2 Pole , 2900 rpm					
Insulation class	Class F						Class F					
IP rating	68						68					
Electrical lead	HO7RNF x 10m length						HO7RNF x 10m length					
Supply voltage (V)	220-240		380-415				380-415					
Phase	Single		Three				Three					
Output Power	0.37kW	0.75kW	1.5kW	2.2kW	3.7kW	5.5kW	7.5kW	11.0kW	11.0kW	15.0kW	18.5kW	22.0kW
Full load current	2.6A	5.2A	3.0A	4.4A	7.5A	11A	14.5A	21.7A	21.7A	28.5A	34.5A	43.5A
Starting	CSIR		DOL				DOL					