



MECHLION® MSP Series Submersible Sewage Pump



Model Numbers:

S008S S008T S015S S015T S022T S037T
S055T S075T S110T

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

APPLICATIONS

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

WHY CHOOSE THE MECHLION® Submersible Sewage Pump?

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

- Long service life
- Attractive, lasting appearance

Open impeller, single vane 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

HO7RNF oil resistant leads with bare wire lead ends

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

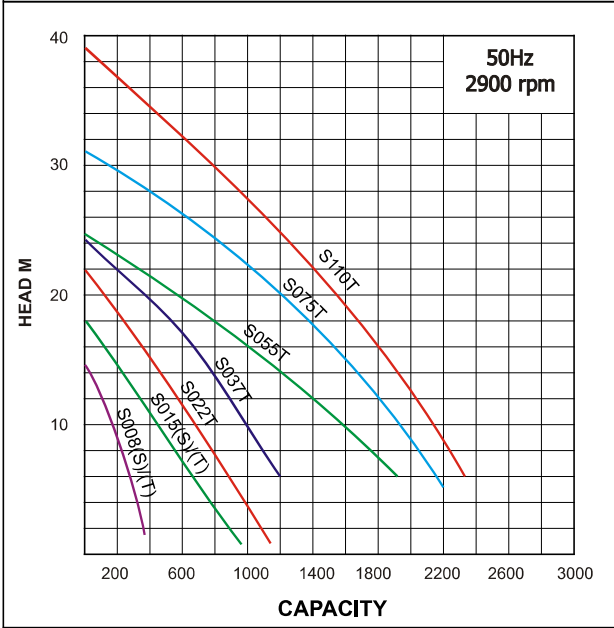
Mounting base fitted.

- For firm and stable positioning during installation and operation

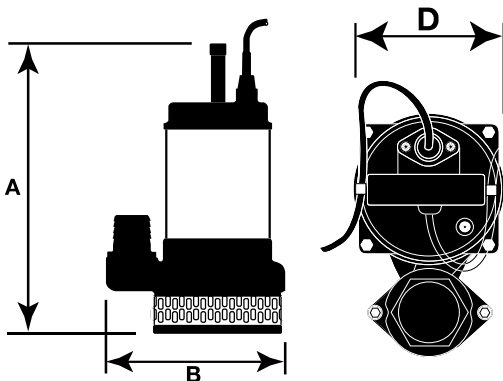
Auto guide rail kit available on request

- For easy removal and re installation

PERFORMANCE CURVES



DIMENSIONS



	A	B	D	B.S.P.	Weight (kg)
S008S	530	310	195	2" F	27.0
S015S	590	360	240	3" F	38.0
S008T	465	310	195	2" F	26.0
S015T	515	360	240	3" F	35.0
S022T	560	400	240	3" F	43.0
S037T	600	400	245	3" F	47.0
S037T	600	450	245	4" F	47.0
S055T	700	490	280	4" F	79.0
S075T	770	490	280	4" F	85.0
S075T	770	490	280	6" F	94.0
S110T	770	490	280	6" F	94.0

All dimensions in mm unless otherwise stated.

OPERATING LIMITS

Capacities up to	2300 lpm
Maximum total head	39m
Maximum submergence	25m
Maximum operating temperature	40°C
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.	

MATERIAL OF CONSTRUCTION

Model	Material	
	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	

ELECTRICAL DATA

Model	S008S	S015S	S008T	S015T	S022T
Speed	2 pole, 2850rpm				
Insulation class	Class F				
IP rating	68				
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
Full load current (Amps)	5.2	11.5	1.7	3.0	4.4
Starting	CSIR		DOL		
Solid Handling mm	21	44	21	44	44

ELECTRICAL DATA

Model	S037T	S055T	S075T	S110T	
Speed	2 pole, 2850rpm				
Insulation class	Class F				
IP rating	68				
Electrical lead	HO7RNF x 10m length				
Supply voltage (V)	380-415				
Phase	Three				
Output Power	3.7kW	5.5kW	7.5kW	11kW	
Full load current (Amps)	7.5	11	14.5	21.7	
Starting	DOL				
Solid Handling mm	40	55	55	55	