

## Performance Range

- ➔ Flow rate up to 20900 l/h (20.9 m<sup>3</sup>/h)
- ➔ Dynamic head up to 13 m.

## Applications

- ➔ For clean water containing solids up to 10 mm grain size.
- ➔ As a sump pump for household applications.
- ➔ For draining flooded rooms or tanks.
- ➔ Extractions of water from ponds, flowing water or pits for collection of rain water.

## Features

- ➔ Corrosion resistant composite construction.
- ➔ 230V thermally protected energy efficient motor.
- ➔ Oil filled motor for better heat dissipation.
- ➔ Permanently lubricated ball bearings.
- ➔ Extra long 4.6 mtrs. (15 feet) grounded power cord.
- ➔ 1½" Discharge pipe size.
- ➔ Stainless steel shaft
- ➔ Stainless steel fasteners.
- ➔ Provide with 1½" flexible hose connection and clamp.
- ➔ Available with Sic/Sic mechanical shaft seal for pumping sandy water (optional).

## Operating Conditions

- ➔ Ambient temperature : Max. +45°C
- ➔ Liquid temperature : +5°C to +45°C
- ➔ Max. Starts per hour : 30 at regular intervals.
- ➔ Duty Rating :
  - S1 - When pump is completely submerged.
  - S3 - When pump is partially submerged.

## Model Designation

Automatic submersible drainage pump with	Models available	
	0.18 kW	0.37 kW
* Wide Angle Float Switch	MSP521T	MSP551T

## Motor Specifications

- ➔ 230 V, 50 Hz, 1 Phase, 2850 RPM (syn.)
- Oil Filled ; Thermally Protected

## Direction of Rotation

- ➔ Clockwise as seen from the motor rear end.

## Performance Table

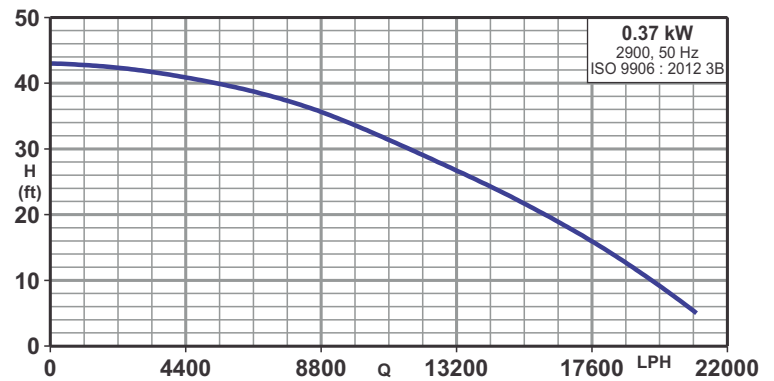
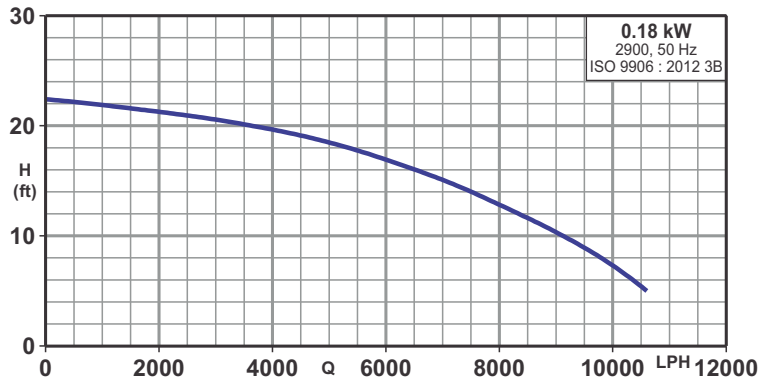
Model	kW	HP	Amp	Flow Rate (m <sup>3</sup> /h)												Max. Lift (no flow) (mtrs)	Max. Solid Passage Size (mm)	Dimensions & Weight Data				Cable data cable x core x size (mm <sup>2</sup> ) x length (m) x Material
				2	4	6	8	10	12	14	16	18	20	Major Width (mm)	Height (mm)			Gross Weight (kg.)	Volume (m <sup>3</sup> )			
MSP521T	0.18	0.25	2.0	H (m)	6.5	5.9	5.2	3.9	2.2	-	-	-	-	-	6.8	10	241	241	8.0	0.022	1 x 3 x 1.0 x 5 x PVC	
MSP551T	0.37	0.50	3.0	H (m)	12.9	12.5	12	11.2	10.2	8.9	7.7	6.1	4.5	2.5	13	10	267	267	9.0	0.028	1 x 3 x 1.0 x 5 x PVC	

**Note :** The above shown performance is nominal performance and may vary from pump to pump.



**Submersible drainage pump with Wide angle float switch**

## Performance Curve



## Minimum sump pit diameter

Model	Minimum Sump Pit Dia. (mm)
MSP521T	*
* MSP551T	432