

## Performance Range

- ➔ Flow rate up to 11300 l/h (11.3 m<sup>3</sup>/h)
- ➔ Dynamic head up to 11 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

- ➔ Rugged cast iron pump housing, impeller, and motor casing.
- ➔ 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" BSP 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. +50°C
- ➔ Liquid temperature : 0°C to +50°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	CSP521T	CSP551T

## Motor Specifications

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

## Direction of Rotation

- ➔ Clockwise as seen from the motor rear end.

## Performance Table

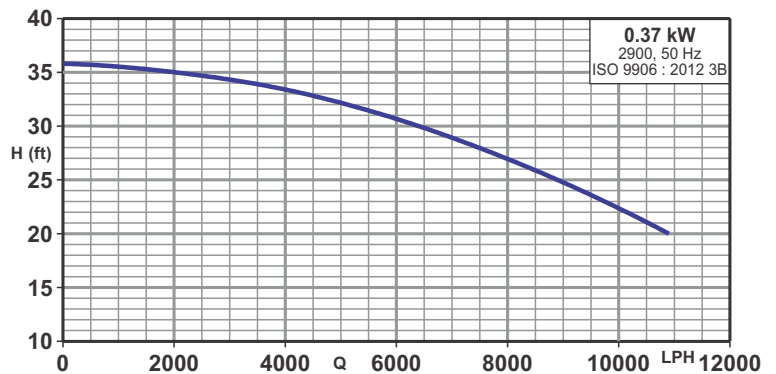
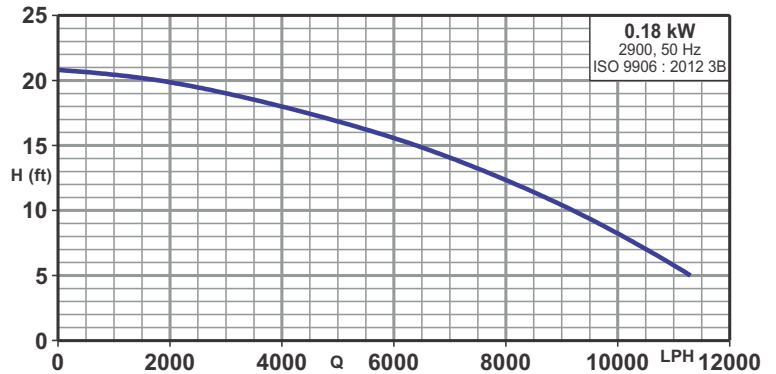
Model	kW	HP	Amp	m <sup>3</sup> /h l/h	Flow Rate (m <sup>3</sup> /h)							Max. Lift (no flow) (mtrs)	Max. Solid Passage Size (mm)	Dimensions & Weight Data				Cable data Cable x core x size (mm <sup>2</sup> ) x length (m) x Material
					1	2	4	6	8	10	11			Major Width (mm)	Height (mm)	Gross Weight (kg.)	Volume (m <sup>3</sup> )	
CSP521T	0.18	0.25	2.0		6.2	6.1	5.5	4.7	3.7	2.5	1.7	6.4	10	229	241	13.5	0.023	1 x 3 x 1.0 x 5 x PVC
CSP551T	0.37	0.50	3.0		10.8	10.7	10.1	9.4	8.2	6.8	-	11	10	254	254	18.0	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)
CSP521T	*
* CSP551T	406