

CSP Cast Iron Submersible Drainage Pump



Submersible drainage pump with Wide angle float switch

Performance Range

- ➔ Flow rate up to 11300 l/h (11.3 m³/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

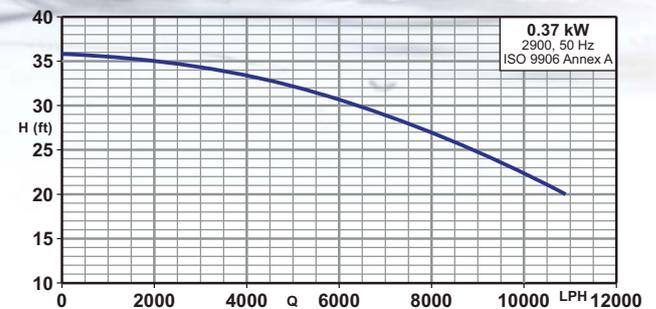
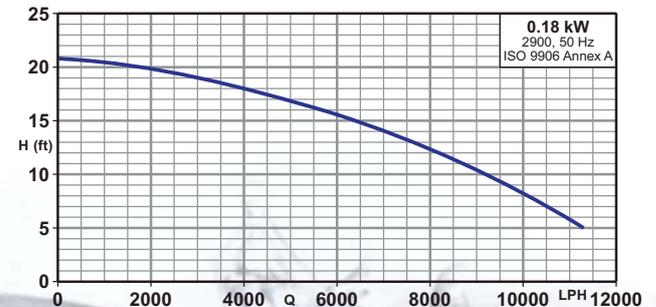
Automatic submersible drainage pump with	Models available	
	0.18 kW	0.37 kW
* Wide Angle Float Switch	CSP521T	CSP551T

Performance Table

Model	kW	HP	Amp	m ³ /h								Max. Lift (no flow) (mtrs)	Max. Solid Passage Size (mm)	Dimensions & Weight Data				Cable data Cable x core x size (mm ²) x length (m) x Material
					1	2	4	6	8	10	11			Major Width (mm)	Height (mm)	Gross Weight (kg.)	Volume (m ³)	
CSP521T	0.18	0.25	2.0	l/h	1000	2000	4000	6000	8000	10000	11000	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	H (m)	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.

Performance Curve



Minimum sump pit diameter

Model	Minimum Sump Pit Dia. (mm)
CSP521T	381
CSP551T	406

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.