

Sewage Cutter Pump

Applications

- Scum pumping at waste water treatment plant
- Municipal projects
- Industrial packaged pump station
- Home and domestic application (Special for kitchen)
- Pumping agricultural manure (dairy, hog and poultry)

Application Limits

- Water temperature up to 40°C
- PH : 4 to 10
- Maximum Density of trans medium is 1.2x103kg/m³
- Viscosity of trans medium is 7x10⁻⁷- 23x10⁻⁶m²/s

Feature and Benefits

Sewage cutter pump is design to handle large concentration of solids and/or tougher solids that conventional sewage pumps cannot handle. It provides clog-free operation by macerating those solids that might clog other types of submersible pumps.

Installation and use

Submersible pump with cutter is an ideal machine for draining sewage. A high-speed rotating cutter is assembled at the inlet hole of the pump, make it easy to cut off long-fiber and firm sundries contained in the sewage, so as to avoid the impeller is blocked by the entanglement.

The protector in the motor can automatically cut off the power when it overheated or overloaded, thus guarantee the security and reliability of pump's running even in the atrocious environment.

Performance Range

- Capacity : Up to 28m³/hr
- Head : Up to 15 Meters
- Power : 0.75 - 1.5KW
- Speed : 2900 RPM

Motor Details

- Insulation class : F
- Protection class : IP68
- Duty : S1
- Power : 0.75KW-1.5KW
- Power supply : Single phase 220v±10%, 50Hz
- Cable Length: 10 Meters
- Motor winding: 100% copper

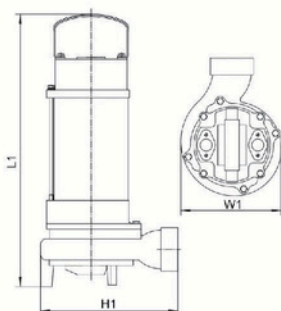


TECH-SCP10-16-1.1F & TECH-SCP10-16-1.1T

CUTTER



TECH-SCP10-24-1.5F & TECH-SCP10-24-1.5T



Dimension

Model	L1	W1	H1	Outlet	N.W	G.W
	mm	mm	mm	inch	kg	kg
TECH-SCP10-16-1.1F	450	169	262	2	25	27
TECH-SCP10-16-1.1T	450	169	262	2	24.5	26.5
TECH-SCP10-24-1.5F	510	182	263	2.5	27	29
TECH-SCP10-24-1.5T	510	182	263	2.5	26.5	28.5

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Pump Selection Chart

Model	Power		Voltage	Speed (RPM)	Outlet (Inch)	Guide Rail	Maximum		N.W. KG
	KW	HP					Flow M3/h	Head Mtr	
TECH-SCP10-16-1.1F	1.1	1.5	220-240v	2900	2"	NO	19	10	25
TECH-SCP10-16-1.1T	1.1	1.5	380-420v		2"	NO	19	10	24.5
TECH-SCP10-24-1.5F	1.5	2	220-240v		2.5"	NO	28	13.5	27
TECH-SCP10-24-1.5T	1.5	2	380-420v		2.5"	NO	28	13.5	26.5

Performance Chart

MODEL	Power		Volts	Outlet (Inch)	Q	US GPM	0	13	26	39	52	65	78	91	104	117	130
	KW	HP				M ³ /H	0	3	6	9	12	15	18	21	24	27	30
						LPM	0	50	100	150	200	250	300	350	400	450	500
TECH-SCP10-16-1.1F	1.1	1.5	220	2"	H (m)	10	9	8	7	6	5	3					
TECH-SCP10-16-1.1T	1.1	1.5	380	2"		10	9	8	7	6	5	4					
TECH-SCP10-24-1.5F	1.5	2	220	2.5"		13.5	13	12	11	10	9	8	6	4	3		
TECH-SCP10-24-1.5T	1.5	2	380	2.5"		13.5	13	12	11	10	9	8	6	4	3		

