FEATURES

- Hydrocyclone Separator works on the principle of centrifuge which forces heavier particles downward in a spiral motion to the separation chamber
  - Removes unwanted solids from the condenser water.
  - 98% separation efficiency for particles upto 40 microns having a SG of 2.6.

- Sweeper Jets sweep cooling tower basin to remove settled solids.

- Close coupled, End suction centrifugal pump with cast iron body, bronze impeller and TEFC Motor.

- Automatic purge complete with electrically actuated (Spring Return) ball valve.

- Microprocessor based control panel with display
  - Programmable purge timer facility with HOA switch.
  - Motor short circuit/overload protection.
  - Pump dry run protection.
  - BMS compatible.

- All components i.e. End-suction pump, Hydocyclone Separator, Suction Guide interconnecting piping and IP55 control panel factory mounted on a compact steel frame.

BENEFITS

- Prevents the accumulation of troublesome solids in the tower basin.

- Minimizes manual cleaning, maintenance, downtime of cooling tower.

- Maintains downstream thermal efficiency of heat transfer surfaces.

- Reduces under-deposit corrosion, removes food source for biological activity and extends life of basin.

TECHNICAL DATA

Model SSPF	:	61-025	61-080	61-100	61-125	61-150	61-200	61-250
Connection size, dia mm	:	025	080	100	125	150	200	250
Pump								
Type	:			Close coupled, End suction centrifugal				
Flow rate range (CMH)	:	20-40	30-70	60-100	100-180	175-250	250-475	500-650
Power supply (AC, 50Hz)	:				415V, 3Ph			
Pressure rating	:				PN10			
Max. fluid temperature	:				40°C			
Panel Protection	:				IP55			

INSTALLATION AND COMMISSIONING

For detailed installation 6 commissioning instructions,
refer to installation manual shipped along with the unit.

DIMENSIONS

	SSPF61-080	-100	-125	-150	-200	-250	-25
L	1100	1230	1230	1750	1525	1600	1100
W	1000	1000	1000	1150	1250	1250	1000
H	1300	1550	1850	2150	2500	3025	1000
Weight Kg	320	520	620	870	1070	1670	250

All dimensions are in mm

Height

Width

Length

Cooling Tower

Tower Basin/Sump

Sweeper Outlet

Sweeper Jets

Separator

Pump