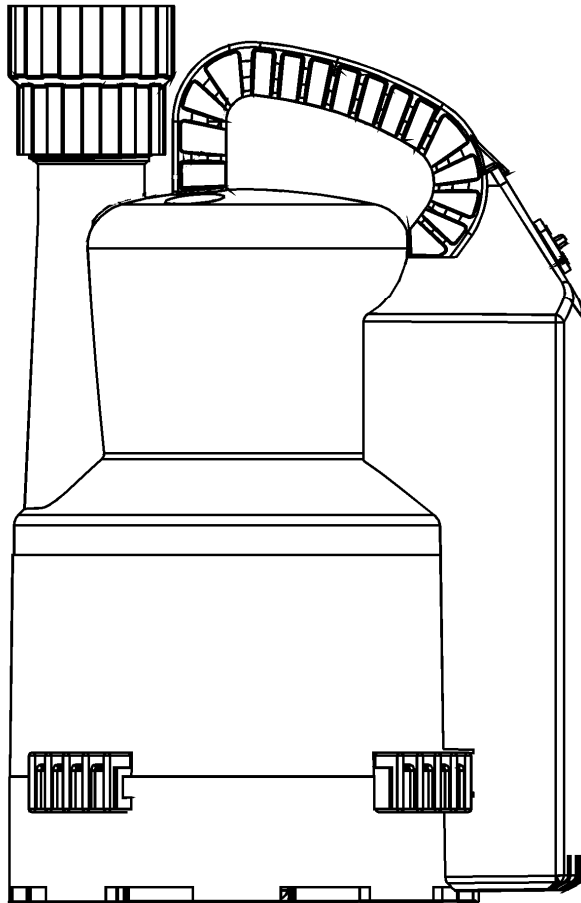




(04) 15975145US 04/03

INSTALLATION AND OPERATING INSTRUCTIONS

DRAINAGE PUMP – F-13



- CHECK VALVE FITTED
- LIGHT WEIGHT
- ENERGY EFFICIENT
- AUTOMATIC OR MANUAL
- BUILT-IN THERMAL PROTECTION
- WATER-COOLED

DISTRIBUTED BY:

APPLICATION

Compact submersible drainage pumps from Tsurumi are used where large quantities of clear, rain or dirty water must be pumped quickly and reliably.

Permanent installations of pumps include basement sumps for water removal. They are suitable for pumping washing effluent, for the drainage of buildings and for pumping rainwater out of lower level rooms or underpasses.

They are used as portable pumps to fill or empty containers of every type, for use in drainage pits, to maintain dry conditions in ditches and to pump out flooded cellars.

HANDLING

The pump is easy to transport and should be carried by the carrying handle. It should never be suspended or raised by means of the power cable.

INSTALLATION AND OPERATION

The pumps are supplied ready for operation.

WARNING: Pumps must be installed in accordance with governing national and local electrical codes.

FOR AUTOMATIC OPERATION

Install discharge hose or pipe to pump discharge. Position the pump in the sump, switch to the automatic position by pushing the switch down. The float switch will now start the pump when the water level reaches about 6", pump shuts off at about 2". Be sure to test automatic operation after installing to make sure the pump is operating properly.

FOR MANUAL OPERATION

Install discharge hose or pipe to pump discharge, place the pump in the water to be pumped, switch to the manual "HAND" position by pushing the switch up. Switch the pump off when the water reaches approximately 2", by pushing the switch down into the automatic position or by unplugging the power cord.

NOTE: In portable applications, when a sump is pumped down below 1" of water, the pump requires approximately 30 seconds to purge air from the discharge when restarting.

MAINTENANCE

The pump has permanently lubricated bearings and an overload protection device to ensure maximum pump serviceability. Regular inspection and maintenance are, however, recommended in order to ensure long service life.

Always disconnect pump from electrical source before performing any type of maintenance. The pump should be cleaned from time to time (depending on degree of dirt present) and the inlet screen should be cleaned and rinsed in clean water.

The volute\screen can be removed by turning it clockwise. Then the impeller area may also be cleaned. **(Due care should be taken not to dislodge the motor).**

(Please ensure O-Ring is in correct position when re-fitting Volute/Screen.)

WARNING

WARNING: Risk of electrical shock-this pump is supplied with a grounding conductor and grounding-type attachment plug. To reduce the risk of electrical shock, be certain that it is connected only to a properly grounded, grounding receptacle, motor is thermally protected. To reduce risk of electrical shock, pull plug before servicing this pump. This pump has not been investigated for use in swimming pool areas.

WARRANTY

Tsurumi (America), Inc. warrants the F-13 pump to be free from defects in workmanship and material for a period of twelve (12) months from date of sale to end customer. Pumps used in transportable (i.e. contractor / dewatering) applications carry a six (6) month warranty from the date of sale to end customer. This warranty does not cover the pumping of chemically or abrasively polluted water. Tsurumi (America), Inc. shall not be liable for any special, indirect or consequential damages of any kind. Defective equipment will be repaired or replaced. Returns must have prior written authorization from the company and be shipped prepaid.

NO OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE WILL APPLY.

TECHNICAL DATA

Model	F-13
Current	Single Phase
HP	1/4
RPM	3450
Voltage	115
Amps	See nameplate
Discharge	1¼" / 1½"
Height	12" (308 mm)
Width	7.7" (196 mm)
Weight	6.6 lb (3.0 kg)
Cable	20 ft. U.L listed

F-13

