

OPERATIONAL MANUAL

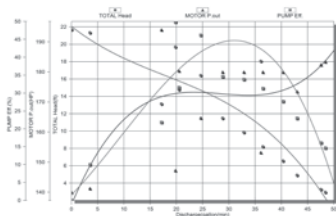
Please check the following point upon receipt of your pump:

- (1) Is the pump exactly what you ordered? Check the nameplate please.
Is the frequency of the power supply correct? (50Hz or 60Hz power, please check again)
- (2) Has any damage occurred during shipment? Are any bolts or nuts loose?
Take the time to read the instructions carefully before using this appliance.
We strongly recommend that you keep this instruction manual in a safe place for future reference.

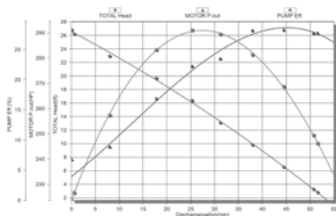
SPECIFICATIONS

Model	Output	Out-let	Pass Solid	Mass	LMP Flow @ Head					Max	Dimensions	Weight
	HP	Inch	Dia	Flow (LPM)	1.5M	3M	4.5M	6M	7.5M	Head (M)	L x W x H	Lbs
S33SH48V	1/3	1-1/2	0.276"	170	160	120	70	15	-	6.5	8.74" x 7.87" x 5.31"	15.87
S33SH300V	1/3	1-1/2		170								12.79

Check the nameplate for your pump's specification as the table list.
Be careful not to exceed the given specifications in the use of your pump.



S33SH48V



S33SH300V

MARKS AND MEANING:



DANGER: Keep the pump equipment out of the reach of children.
Warns that the failure to follow the directions given could cause serious risk to individuals or objects.



WARNING: This sign warns the operator that the failure to follow an instruction may damage the pump and/or the system.

LIMITATIONS:

This pump series are suitable to pump rain water and also can be used both for permanent and temporary installation. The pump could be placed for residential sump pit use, it could pump drainage water.



The pump can be used for sea water but not inflammable, corrosive, explosive or dangerous liquids. Verify that the electro pump never runs without liquids.

INSTALLATION:

Do not work on pump until power is unplugged.

Do not cut off ground pin or use an adapter fitting.

Do not use an extension cord.

Do install the strainer prior to pump water if you want to let the pump run as a sump pump.



The pump power cord should be connected to a separately fused, grounded line with a minimum capacity of 15 amps. It can be connected to a non-fuse breaker as the recommended amperes.


Never touch the pump when it is connected to electrical power.

1. Before installing or servicing the pump, be certain the pump power source is disconnected.
2. Installation and electrical wiring must adhere to state and local codes and must be completed before priming pump. Check appropriate community agencies, or contact local electrical and pump professionals.
3. Call an electrician when in doubt. Pump should be connected to a separate 15 amp circuit breaker or 15 amp fuse block. Note that plugging into existing outlets may cause low voltage at motor, causing blown fuses, tripping of motor overload, or burned out motor.
4. A permanent ground connection from pump to the grounding bar at the service panel is mandatory. STREAM33 sump pumps come with a grounding conductor and a grounding-type attachment plug. Do not connect pump to a power supply until permanently grounded. For maximum safety, connect pump to a circuit equipped with a fault interrupter device when you position the pump's ground wire.
5. Voltage of power supply must match the voltage of the pump.
6. Before installing pump, clear sump basin of any water, debris or sediment.
Warning: Sump basin must be vented in accordance with local plumbing codes. STREAM33 sump pumps are not designed for and CANNOT be installed in locations classified as hazardous.
7. The following may cause severe damage to pump and will void the warranty.


- (a) Using an extension cord.
- (b) Curring off the ground pun or using an adapter fitting.
- (c) Working on pump or switch while plugged in.
- (d) Removing motor housing, unscrewing impeller, or otherwise removing impeller seal.
- (e) Running the pump continuously.
- (f) Pumping chemicals or corrosive liquid.
- (g) Pumping gasoline or other flammable liquids.
- (h) Piping, plastic PVC pipe could be installed in the outlet piping, but drain house, galvanized steel or copper pipe may be used if desired. All piping must be clean and free of all foreign matter to prevent clogging.
Use thread compound on all threaded joints unless specified otherwise. Be sure to seal the thread connection with tape when your using the pipe fitting to connect the flange.
- (i) Pump will be inadequate if suspension liquids contain solid particles larger than the stainer's holes.



ELECTRICAL WIRE CONNECTION:

 Verify that the voltage and frequency of the pump shown on the nameplate correspond to those available on the mains. The installer must make sure that the electric system is grounded in accordance with the law in force.

- It is necessary to use cable with a length of 32.80' for outdoors. The plug and connections should be protected from water splashes. Before using the pump, always inspect it visually (especially power cable and plug).
- Do not use the pump if it is damaged.
- If the pump is damaged, have it inspected by an authorized service center only.
- Make sure that electric connections are protected from inundation. Protect the plug and the power cable from heat, oil and sharp edges.

 The power cable must be replaced by qualified personnel only.
Grounding: The plug of the power cable has a double grounding contact, so that grounding can be performed by simply inserting the plug.

OVERLOAD PROTECTION:

This pump series has a built in thermal protection switch. The pump stops if an overload condition occurs. The motor restarts automatically after it has cooled down.

TROUBLESHOOTING CHECKLIST (CAUTION: SHUT OFF POWER TO PUMP)

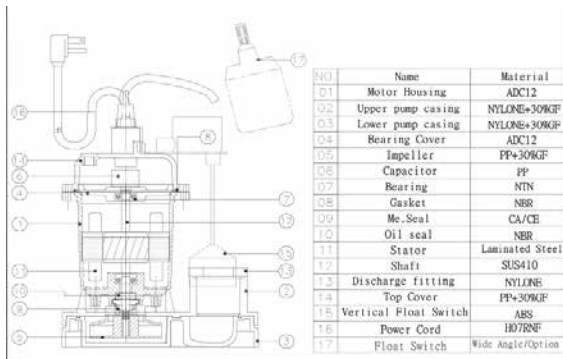
PROBLEMS	POSSIBLE CAUSES
Pump does not run and hums	<ul style="list-style-type: none"> • Line circuit breaker is off, or fuse is burned or loosened • Water level in sump has not reached turn-on level as indication in installation drawing • Pump cord is not making contact in receptacle • Float is stuck, it should operate freely in basin • If all of the above are OK, and then the motor could be operate
Pump runs but does not deliver water	<ul style="list-style-type: none"> • Check valve is installed backwards; arrow on valve should point in direction of flow • Discharge shut-off valve (if used) may be closed • Impeller or volute openings are fully or partially clogged; remove pump and clean • Pump is air-locked, start and stop several times by plugging and unplugging cord. Check for clogged vent hole in pump case • Inlet holes in pump base are clogged; remove pump and clean the openings • Vertical pumping distance is too high; reduce distance or change the discharge fittings of the pump
Pump runs and pumps out sump, but does not stop	<ul style="list-style-type: none"> • Float is stuck in up position; be sure float operates freely in basin • Defective float switch; replace with float switch • Defective vertical switch; replace with vertical switch
Pump runs by delivers only a small amount of water	<ul style="list-style-type: none"> • Pump is air-locked. Start and stop several times by plugging and unplugging cord. Check for clogged vent hole in pump case. • Vertical pumping distance is too high. Reduce distance or change the discharge fitting of the pump, inlet holes in pump base are clogged. Remove pump and clean the strainer and openings. • Impeller or volute openings are fully or partially clogged. Remove pump and clean. • Pump impeller is partially clogged with tar or paint, causing motor to run slow and overload. Remove pump and clean.
Fuse blows or circuit breaker trips when pump starts	<ul style="list-style-type: none"> • Pump impeller is partially clogged with tar or paint, causing motor to run slow and overload. Remove pump and clean. • Motor stator may be defective. • Fuse size or circuit breaker may be too small (must be 15 amp) • Impeller or volute opening are fully or partially clogged. Remove pump and clean.
Motor runs for a short time, then stops	<ul style="list-style-type: none"> • Inlet holes in pump base are clogged. Remove pump and clean the openings. • Pump impeller is partially clogged with tar or paint, causing motor to run slow and overload. Remove pump and clean. • Motor stator may be defective. • Impeller or volute openings are fully or partially clogged. Remove pump and clean, also clean strainer if you had installed



ELECTRICAL PRECAUTIONS:

Before servicing a pump, always shut off the main power breaker and then unplug the pump. Make sure you are not standing in water and are wearing insulated protective sole shoes, under flooded conditions. Contact your local electric company or a qualified licensed electrician for disconnecting electrical service prior to pump removal.

CONSTRUCTION AND PARTS LIST



LIMITED WARRANTY

STREAM33 will repair or replace for the original user any portion of a new STREAM33 product which proves defective due to material or workmanship for one year. STREAM33 shall possess the sole right to determine whether to repair or replace defective equipment, parts or components. Warranties are subject to terms and conditions that can be viewed at www.stream33.com/termsandconditions.html THIS WARRANTY DOES NOT COVER DAMAGE DUE TO LIGHTNING OR OTHER CONDITIONS BEYOND THE CONTROL OF STREAM33.

LABOR & COSTS: STREAM33 shall in no event be liable for the cost of field labor to other charges incurred by any customer in removing and/or re-affixing any STREAM33 product, parts or component.

THE WARRANTY WILL NOT APPLY:

- To defects or malfunctions resulting from failure to properly install, operate, or maintain the unit in accordance with printed instructions provided.
- To failures resulting from abuse, accident, or negligence.
- To normal maintenance services and the parts used in connection with such service.
- To units which are not installed in accordance with applicable local codes, ordinances, and good trade practices.
- If the unit is moved from its original installation location.
- If unit is used for purposes other than for what it was designed and manufactured for.

WARRANTY EXCLUSIONS: STREAM33 SPECIFICALLY DISCLAIMS THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE AFTER THE TERMINATION OF THE WARRANTY PERIOD.

GUARANTEE

The right to claim under guarantee must be proven by the purchaser by presentation of the purchase invoice. Note:

- Should your equipment not function correctly, please firstly check, whether other reasons, e.g. interruption of the power supply or incorrect handling are the cause.
- Please note that it is imperative that the following documents and details are produced together with your faulty equipment:
 - Purchase Receipt
 - Designation of the apparatus/type/brand
 - Description of the noted defect (an accurate description of the defect makes a rapid repair for easier for us)

In the case of a claim for guarantee or defects, please contact the place of purchase.