Pump runs but does not deliver water.	●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.	●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 but delivers only a small amount of water.	●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.	●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. ●Impeller or volute opening are fully or partially clogged. Remove pump and clean.
Motor runs for a short time, then stops.	●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 the strainer if you had installed.

Limited Warranty:

Products of STAIRS are warranted to the first user only to be free of defects in material and workmanship for a period of 6 months from date of installation, but no more than 12 months from date of manufacture. STAIRS's liability under this warranty shall be limited to repairing or replacing at our election, without charge, FOB STAIRS's distribution center or authorized service agent. STAIRS will not be liable for any cost of removal, installation, transportation or any other charges that may arise in connection with warranty claim.

The warranty period commences on the date of original purchase of the equipment. Proof of purchase and installation date, failure date, and supporting installation data must be provided when claiming repairs under warranty.

This warranty is subject to due compliance by the original purchaser with all directions and conditions set out in the installation and operating instructions. Failure to comply with these instructions, damage or breakdown caused by fair wear and tear, negligence, misuse, incorrect installation, inappropriate chemicals or additives in the water, inadequate protection against freezing, rain or other adverse weather conditions, corrosive or abrasive water, lightning or high voltage spikes or through unauthorized persons attempting repairs are not covered under warranty.

STAIRS will not be liable for any incidental or consequential damages, losses, or expenses, arising from installation, use, or any other causes. There are no express or implied warranties, including merchantability or fitness for a particular purpose, which extend beyond those warranties described or referred to above.

Certain countries do not permit the exclusion or limitation of incidental or consequential damages or the placing of limitations on the duration of an implied warranty, therefore, the limitations or exclusions herein may not apply. This warranty sets forth specific legal rights and obligations, however, additional rights may exist, which may vary from countries to countries.

Supersedes all previous publications.

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STAIRS

Submersible Utility Pump

Installation and Operating Instructions

CP Series

CCBUP00E03

THANK YOU FOR PURCHASING A
STAIRS PRODUCT

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.

GENERAL INFORMATION

Before use, read the following instructions carefully. Closely following these instructions will eliminate potential operating problems, assuring years of trouble-free service.

WARNING

Risk of electric shock. The pump is supplied with a grounding conductor and grounding-type attachment plug. To reduce the risk of electric shock, install only on a circuit protected by ground-fault circuit-interrupter. Always disconnect the pump from the power source before handling or making adjustments. Always wear rubber boots when servicing in wet areas. Make sure the pump power source is a separately fused, grounded 3-wire type receptacle of 15-amp capacity. DO NOT REMOVE GROUND PRONG OR PLUG. DO NOT USE AN EXTENSION CORD. Check to make sure installation is in accordance with the National Electric Code and all applicable local codes. Installation and servicing are to be conducted by qualified personnel.

WARNING

- DO NOT pump flammable liquids
- DO NOT use around explosive materials
- DO NOT handle unit with wet hands or while standing in water
- DO NOT lift the pump by the power cord

CAUTION

- DO NOT connect to any voltage other than that listed on the nameplate
- DO NOT use in water over 104˚F (40˚C).
- DO NOT modify the pump in any way
- DO NOT expose pump or discharge to freezing temperatures
- DO NOT use this product to pump salt water or brine. Use with salt water or brine will void the warranty. Pump water only.

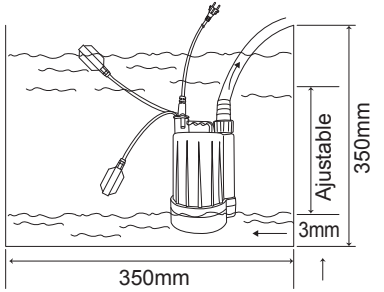
SPECIFICATIONS

Model	Phase Ø	Power		Head (Pressure)		Flow (Capacity)		Pass Solid (Dia) mm	Pipe Connection		Weight (kg)
		HP	Watt	Rated (M)	Max. (M)	Rated (L/min)	Max. (L/min)		mm	inch	
CP-100	1	1/6	100	4	6.5	35	70	3	20/25	3/4"/1"	3.1
CP-100A	1	1/6	100	4	6.5	35	70	3	20/25	3/4"/1"	3.6
CP-200	1	1/4	200	5	7	40	110	5	30	1-1/4	4.2
CP-200A	1	1/4	200	5	7	40	110	5	30	1-1/4	4.7

- Model with "A" is equipped with float switch

OPERATION

1.Set pump on hard surface in water before starting.
2.Use the included garden hose adapter for properly discharge line or disconnect the adapter to use a properly discharge.
3.Plug power cord into properly grounded AC power outlet. Will operate continuously whether partly or fully submerged. Submersible utility pumps are intended to pump water at temperatures up to 104˚F(40˚C).
4.To prevent unnecessary wear, unplug the pump from the power output when not in use.
5.The pump is supplied with the garden hose adapter. For use with plastic pipe, remove the adapter and install the desired properly fitting. DO NOT OVERTIGHTEN THE HOSE OR PLASTIC ADAPTER FITTING. Finger tight plus 1/2 turn is sufficient.
6.Pump equipped with Optional Float switch. When the pump senses that it is no longer pumping water, the pump will shut off automatically.



CAUTION

- Do not set pump directly on sand, dirt or mud. Sand or mud-choked pumps can Be back-flushed clean.
- Do not handle or carry the pump by the power cord. Use the handle.
- Extended usage of the pump in a partially submerged or non-submerged situation may cause the pump to overheat due to lack of heat dissipation from the water. If this occurs, the pump will shut itself off until the motor cools to its normal temperature. Repeated overheating may cause damage to the pump.

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	• Line circuit breaker is off, or fuse is burned or loosed. • Water level in sump has not reached turn-on level as indicated 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.