

PROBLEMS	POSSIBLE CAUSES
Pump does not run and hums	<ul style="list-style-type: none"> <li>●Line circuit breaker is off, or fuse is blown.</li> <li>●Water level in sump pit has not reached turn-on level as indicated in installationdrawing.</li> <li>●Pump cord is not making contact in receptacle.</li> <li>●Float is stuck. It should operate freely in basin.</li> </ul>
Pump runs but does not deliver water	<ul style="list-style-type: none"> <li>●Check valve is installed backwards. Flapper should open in direction of water flow.</li> <li>●Discharge shut-off valve (if used) may be closed.</li> <li>●Impeller or volute openings are fully or partially clogged. Remove pump and clean.</li> <li>●Pump is air-locked. Start and stop several times by plugging and unplugging cord.Check for clogged vent hole in pump case.</li> <li>●Vertical pumping distance (“head”) is too high. Reduce distance or increasediameter of discharge pipe.</li> </ul>
Pump runs and pumps out sump pit, but does not stop	<ul style="list-style-type: none"> <li>●Float switch is stuck in up/on position. Be sure float switch operates freely in pit.</li> <li>●Defective float switch. Replace with new float switch.</li> </ul>
Pump runs but delivers only a small amount of water	<ul style="list-style-type: none"> <li>●Pump is air-locked. Start and stop several times by plugging and unplugging cord.Check for clogged vent hole in discharge pipe.</li> <li>●Vertical pumping distance (“head”) is too high. Reduce distance or increasediameter of discharge pipe.</li> <li>●Impeller or volute openings are fully or partially clogged. Remove pump and clean.</li> </ul>
Fuse blows or circuit breaker trips when pump starts	<ul style="list-style-type: none"> <li>●Pump impeller is partially clogged, causing motor to run slow and overload.Remove pump and clean.</li> <li>●Motor stator may be defective.</li> <li>●Fuse size or circuit breaker may be too small.</li> <li>●Impeller or volute opening are fully or partially clogged. Remove pump and clean.</li> </ul>
Motor runs for a short time, then stops	<ul style="list-style-type: none"> <li>●Inlet holes in pump base are clogged. Remove pump and clean the openings.</li> <li>●Motor stator may be defective.</li> <li>●Impeller or volute openings are fully or partially clogged. Remove pump and clean.</li> </ul>