

PRIMING THE PUMP

Fill water into the casting during installation. During first operation, it will take few minutes to remove the air in the suction pipe and to get water flow. Once you get water flow, there after you get water flow immediately on switching the pump.

Please take care that the water level never goes below the suction pipe.

PIPE FIXING

- Use recommended pipes for both suction and delivery. Discharge of water will reduce while you use smaller diameter size of pipe.
- Seal all the joints tightly to avoid any leakages.
- Fix strainer at the end of the suction pipe.
- **Suction should not exceed 8 meters (25 feet).**

MOTOR SPECIFICATIONS

Power	0.5 HP	1.0 HP
Full load current	3.5 Amps	6.5 Amps
Insulation	Class 'B'	
Power Supply	240 V, 50Hz, Single Phase	
Speed	2800 rpm	
Cooling	Air Cooled	

PUMP SPECIFICATIONS

Delivery	25 mm (1")
Suction	25 mm (1")
Max. Suction Lift	8 m (25 feet)

EKKI GROUP

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TROUBLE SHOOTING CHART

FAULT	CAUSES	REMEDIES
Motor does not rotate	No power supply	Check power supply
	Motor protector is open due to overheating	Check supply voltage. Allow the motor to cool and switch it on
	Impeller struck	Remove cooling fan cover and rotate it by hand
	Capacitor failure	Replace the capacitor
Pump does not lift water	Priming not sufficient	Fill sufficient water in the casing of the pump
	Air leak in suction pipe (initial)	Check pipe for leakage. Use Teflon tape or Shellac for thread joints
	Block in suction pipe or strainer	Clean pipe and strainer
	Too many bends in suction pipe	Reduce the bends
	Leakage in seal	Change or re-fit the seal
	Suction lift too high	Make sure that suction length to be within 8m (25 feet)
	Position of casing altered	Correct the position of the delivery casing so that the delivery outlet can be in vertical
Discharge decrease but pump running normally	Strainer clogged, suction lift too high, inlet of suction pipes not submerged totally	Clean or change the strainer. Install the pump closer to the water level. The inlet of the suction pipe should be at least 2 inches below the water level
	Pipe blocked	Clean the pipe
	Total head higher than the specified head	Reduce the total head
	Air leak in the suction side of the pump	Check the pipe for leakage and correct it
	Pipe smaller than the recommended size	Change to the recommended size
Monobloc over loaded (takes more current of fuse goes off)	Liquid too dense. Total head higher than the specific head	Select suitable monobloc, reduce the total head
Leakage in mechanical seal	Running face damaged	Lab the running face or change the seal (Seek your dealer's help)
Monobloc gets jammed	Kept idle for long time	Remove fan cover and rotate the fan by hand. Monobloc should be run for few minutes at least once in a day

Installation, Operation and Maintenance Manual

REGENERATIVE MONOSETS



Dear Customer,

Congratulations !

You have become a proud owner of EKKI - SELF PRIMING PUMPS.

Please follow the few tips given, during installation of your pumpset.

We wish you for years of trouble - free performance.

And once again we Congratulate you for the best selection.

INSTALLATION

The figure shown below gives you an idea of mounting your ZIP Self priming monobloc pumpset. As your pump is very light, you do not require any special foundation.

The pump should be installed as in Fig 1 and not in a tilted position as shown in the Fig 2

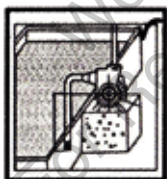


Fig 1 ✓

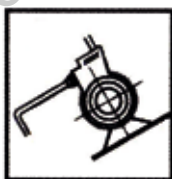


Fig 2 ✗