



CAUTION

Motor must be phased to ensure proper rotation

PHASING THE MOTOR 3 PHASE MOTORS ONLY

- 3 Phase motors are capable of running in both forward and reverse, so the pump can pump water both directions.
- If wired incorrectly, the pump will run in the reverse direction, pumping little water.

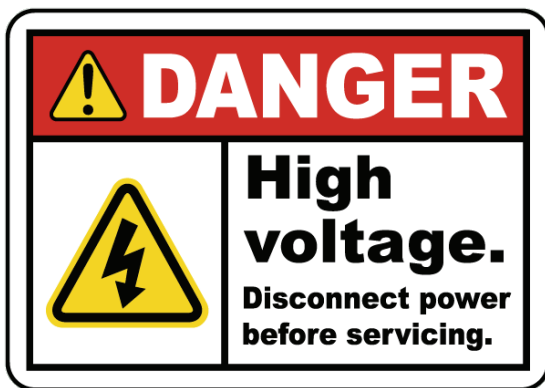
Continuously running the pump in reverse will cause premature motor failure that is not covered by warranty.

- When wired correctly, there will be a measurable increase in the amount of water pumped.
- Swapping any two wires: red, yellow, or black wire connections, will reverse the direction the motor is running.
- When in doubt, reverse any two wires: red, yellow, or black wire connections, and then compare the water flow to determine the correct wiring configuration.



4" FRANKLIN ELECTRIC 3 PHASE SUBMERSIBLE MOTOR SPECIFICATIONS & TESTING PARAMETERS

HORSEPOWER MOTOR DIA. MAKE & RPM	VOLTS	PHASE	Hz	SERVICE FACTOR	FULL LOAD AMPS	MAX LOAD AMPS	LINE to LINE RESISTANCE IN OHMS	LOCKED ROTOR AMPS
1 HP 4" FRANKLIN 3450 RPM	208V	3 PH	60 Hz	1.4	4.5	5.4	3.8 - 4.5	30.9
	230V				3.9	4.7	4.9 - 5.6	26.9
	460V				2.0	2.4	19.9 - 23.0	13.5
	575V				1.6	1.9	30.1 - 36.7	10.8
1.5 HP 4" FRANKLIN 3450 RPM	208V	3 PH	60 Hz	1.3	5.8	6.8	2.5 - 3.0	38.2
	230V				5.0	5.9	3.2 - 4.0	33.2
	460V				2.5	3.1	13.0 - 16.0	16.6
	575V				2.0	2.4	20.3 - 25.0	13.3
2 HP 4" FRANKLIN 3450 RPM	208V	3 PH	60 Hz	1.25	7.7	9.3	1.8 - 2.4	50.3
	230V				6.7	8.1	2.3 - 3.0	45.0
	460V				3.4	4.1	9.2 - 12.0	22.5
	575V				2.7	3.2	14.6 - 18.7	17.8
3 HP 4" FRANKLIN 3450 RPM	208V	3 PH	60 Hz	1.15	10.9	12.5	1.3 - 1.7	69.5
	230V				9.5	10.9	1.8 - 2.2	60.3
	460V				4.8	5.5	7.2 - 8.8	31.0
	575V				3.8	4.4	11.4 - 13.9	25.1



IMPORTANT

- ✓ **DO NOT** test Winding resistance with the motor connected to the Control Box or Variable Frequency Drive (VFD).
- ✓ Test the windings by using a Multimeter or Ohmmeter to measure Ohms (Resistance) between Yellow or White to Red, Yellow or White to Black, and Red to Black.
- ✓ Resistance measured between any combination of wires should be a similar value.
- ✓ A bound pump will cause locked rotor amps and over-current fault/shut down. Check for obstructions in the pump and/or the amps on the Black wire at start-up.