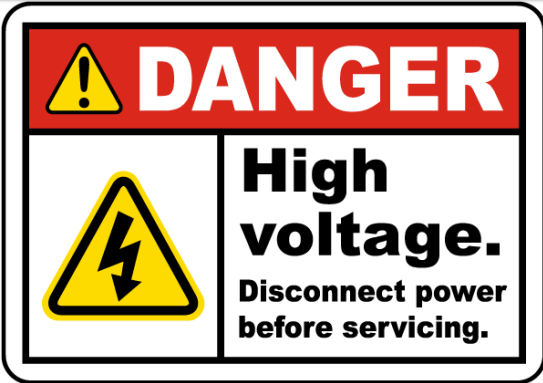




# 6" FRANKLIN ELECTRIC 3 PHASE SUBMERSIBLE MOTOR SPECIFICATIONS & TESTING PARAMETERS

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
<b>20 HP</b> 6" FRANKLIN 3450 RPM	208V	3 PH	60 Hz	1.15	61.9	69.7	0.16 - 0.20	416.0
	230V				53.8	60.6	0.22 - 0.26	362.0
	460V				26.9	30.3	0.8 - 1.0	181.0
	575V				21.5	24.2	1.3 - 1.6	145.0
<b>25 HP</b> 6" FRANKLIN 3450 RPM	208V	3 PH	60 Hz	1.15	77.1	86.3	0.12 - 0.15	552.0
	230V				67.0	76.4	0.15 - 0.19	480.0
	460V				33.5	38.2	0.63 - 0.77	240.0
	575V				26.8	30.0	1.0 - 1.3	192.0
<b>30 HP</b> 6" FRANKLIN 3450 RPM	208V	3 PH	60 Hz	1.15	90.9	104.0	0.09 - 0.11	653.0
	230V				79.0	90.4	0.14 - 0.17	568.0
	460V				39.5	45.2	0.52 - 0.64	284.0
	575V				31.6	36.2	0.78 - 0.95	227.0

**\*\* IMPORTANT \*\***  
**CP08 Series pumps with 6" Franklin Submersible  
 motors must operate at 45 Hz / 2600 RPM  
 MAXIMUM and require a Variable Speed Drive (VFD)**



**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.