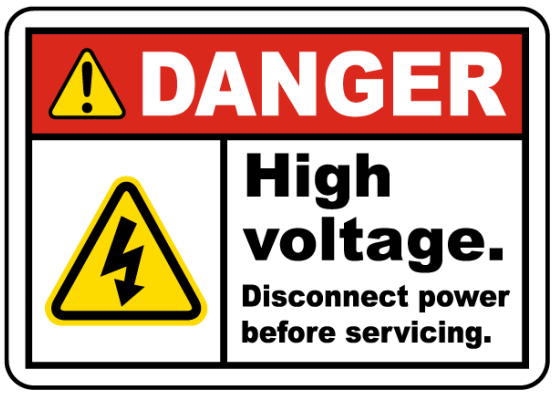
CARRY PUMPS

4" FRANKLIN 230V/1 PHASE MOTOR SPECIFICATIONS & TESTING PARAMETERS

MOTORS WITH 4 WIRES (3-WIRE WITH GROUND WIRE)
WIRES = WHITE/YELLOW, BLACK, RED & GREEN

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	230V	1 PH	60 HZ	1.40	W/Y 6.6 B 6.6 R 1.3 G-Ground	W/Y 8.0 B 7.9 R 1.3 G-Ground	W/Y to B MAIN 2.2 - 2.7 W/Y to R START 9.9 - 12.1	43.0
1.5 HP 4" FRANKLIN 3450 RPM	230V	1 PH	60 HZ	1.30	W/Y 10.0 B 9.9 R 1.3 G-Ground	W/Y 11.5 B 11.9 R 2.6 G-Ground	W/Y to B MAIN 1.7 - 2.1 W/Y to R START 7.5 - 9.2	51.4
2 HP 4" FRANKLIN 3450 RPM	230V	1 PH	60 HZ	1.25	W/Y 10.0 B 9.3 R 2.6 G-Ground	W/Y 13.2 B 11.9 R 2.6 G-Ground	W/Y to B MAIN 1.8 - 2.3 W/Y to R START 5.5 - 7.2	53.1
3 HP 4" FRANKLIN 3450 RPM	230V	1 PH	60 HZ	1.15	W/Y 14.0 B 11.2 R 6.1 G-Ground	W/Y 17.0 B 12.6 R 6.0 G-Ground	W/Y to B MAIN 1.1 - 1.4 W/Y to R START 4.0 - 4.8	83.4



IMPORTANT

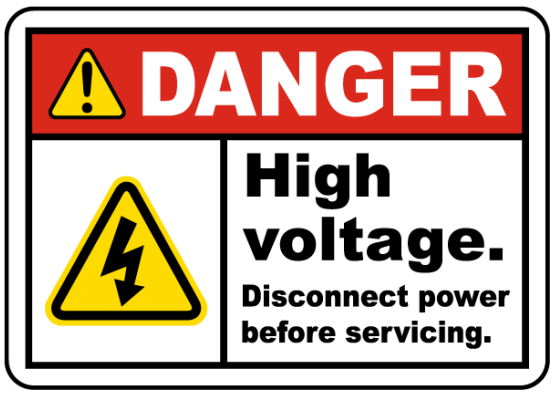
- ☑ **DO NOT** test Winding resistance with the motor connected to the Control Box.
- ☑ Test the Windings Line to Line Resistance by using a Multimeter or Ohmmeter to measure Ohms (Resistance) between the wires.
- ☑ Ohms (Resistance) measured between any combination of wires should be a similar value.
  White/Yellow to Black = Main Windings
  White/Yellow to Red = Start Windings
- ☑ 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.

Carry Pumps, Inc. · 1360 Prospect Ave. · Caro, MI 48723
www.carrypumps.com · 800-492-2779 · controls@carrypumps.com

4” FRANKLIN
230V/1 PHASE
MOTOR SPECIFICATIONS & TESTING PARAMETERS

MOTORS WITH 3 WIRES (2-WIRE WITH GROUND WIRE)
WIRES = WHITE/YELLOW, BLACK & GREEN

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
0.5 HP 4” FRANKLIN 3450 RPM	230V	1 PH	60 HZ	1.60	5.0	6.0	4.2 - 5.2	32.2
0.75 HP 4” FRANKLIN 3450 RPM	230V	1 PH	60 HZ	1.50	6.8	8.0	3.0 - 3.6	40.7
1 HP 4” FRANKLIN 3450 RPM	230V	1 PH	60 HZ	1.40	8.2	10.4	2.2 - 2.7	48.7
1.5 HP 4” FRANKLIN 3450 RPM	230V	1 PH	60 HZ	1.30	10.6	13.1	1.5 - 2.1	66.2



CAUTION

ALL ELECTRICAL WORK MUST BE PERFORMED BY A LICENSED ELECTRICIAN

IMPORTANT

- ☑ **DO NOT** test Winding resistance with the motor connected to the power source.
- ☑ Test the windings by using a Multimeter or Ohmmeter to measure Ohms (Resistance) between White/Yellow to Black.
- ☑ Ohms (Resistance) measured between White/Yellow to Black wires should be with-in the given parameters.
- ☑ 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.

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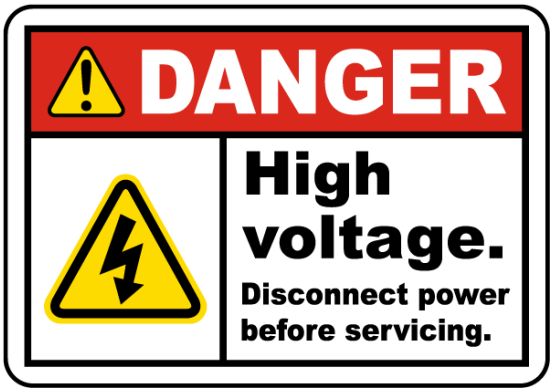
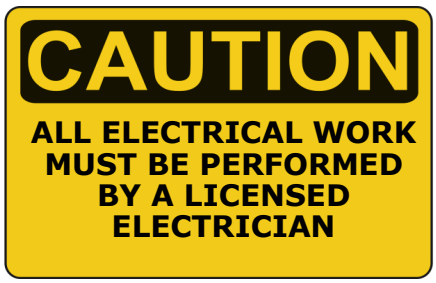
CARRY PUMPS

6” FRANKLIN ELECTRIC 1 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
5 HP 6” FRANKLIN 3450 RPM	230V	1 PH	60	1.15	W/Y 23 B 14.3 R 10.8 G-Ground	W/Y 27.5 B 17.4 R 10.5 G-Ground	W/Y to B MAIN 0.55 - 0.68 W/Y to R START 1.3-1.7	99.0
7.5 HP 6” FRANKLIN 3450 RPM	230V	1 PH	60	1.15	W/Y 36.5 B 34.4 R 5.5 G-Ground	W/Y 42.1 B 40.5 R 5.4 G-Ground	W/Y to B MAIN 0.36 - 0.50 W/Y to R START 0.88 - 1.1	165.0
10 HP 6” FRANKLIN 3450 RPM	230V	1 PH	60	1.15	W/Y 44 B 39.5 R 9.3 G-Ground	W/Y 51 B 47.5 R 8.9 G-Ground	W/Y to B MAIN 0.27 - 0.33 W/Y to R START 0.80-0.99	204.0
15 HP 6” FRANKLIN 3450 RPM	230V	1 PH	60	1.15	W/Y 62 B 52.0 R 17.5 G-Ground	W/Y 75 B 62.5 R 16.9 G-Ground	W/Y to B MAIN 0.17 - 0.22 W/Y to R START 0.68 - 0.93	303.0





IMPORTANT

- ☑ **DO NOT** test Winding resistance with the motor connected to the Control Box.
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