

SELF-PRIMING EXTERNAL PUMPS

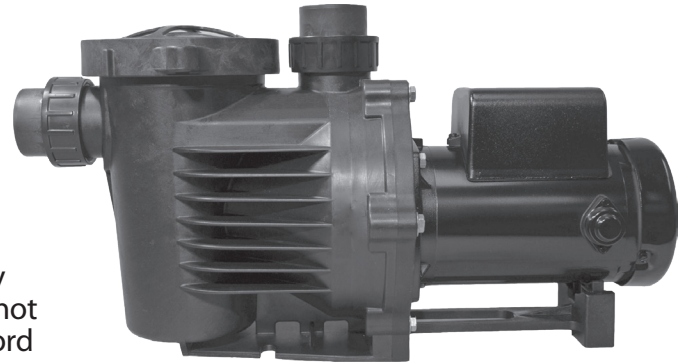


Electrical Wiring Instructions and Tips for EXP4000, EXP5500, EXP6500, EXP7500, EXP6500HP, EXP9500HP



Before wiring any part of the motor, be sure the power is disconnected.

It is recommended that wiring be performed by a licensed electrician or professional service person. If pump has a factory pre-installed cord, wiring has already been set and this step is not needed; unless voltage change is required in which case the cord will need to be removed and steps below are followed.



ELECTRICAL STEPS & TIPS

1. Inspect the internal wiring of the motor to ensure voltage supply is matched between the motor and the power source. If voltage does not match, it will damage the motor and void the warranty.
EXAMPLE: If connecting your pump to a 115v circuit, make sure the motor connections match the 115v wiring diagram listed on your particular model.
2. Supply voltage must be within +/- 10% of nameplate voltage indicated on the motor. Incorrect voltage supply may result in fire or damaged motor and voids the warranty. If you are not certain, please consult with a licensed electrician.
3. Use designated supply wire size specified in the charts below. Correct wire size is necessary to avoid electrical insufficiencies, allowing the motor to run cooler, more efficiently and eliminating line voltage loss. It is important to connect your pump to a Ground Fault Circuit Interrupter (GFCI) for safety.
4. Wire motor following the connection diagram located on the motor. Note differences in high and low voltage arrangements. If a cord has been pre-installed the connection was completed at the factory.
5. Be sure all connections are clean and tight. Ensure the motor is properly grounded. Typically a green ground terminal is located inside the motor connection box. The ground wire must be properly connected to an electrical service ground to safely operate.
6. The pump must be connected to an adequately sized circuit. It is recommended to have a dedicated circuit that will prevent voltage drop from other loads as occurs on shared circuits.

CIRCUIT DATA

HP	CIRCUIT	VOLTS/Hz/PH
1/2	15 Amp	115 or 230/60/1
3/4	20 Amp	115 or 230/60/1
1	20 Amp	115 or 230/60/1
1.5 or 2	30 Amp	115 or 230/60/1
3	30 Amp	115 or 230/60/1

WIRING DATA

WIRE GAUGE	WIRING SIZE PER AMPERAGE CAPACITY				
	20-50 FT	100 FT	150 FT	200 FT	250 FT
16	13 Amps	10 Amps	**	**	**
14	15 Amps	13 Amps	7 Amps	**	**
12	20 Amps	15 Amps	10 Amps	8 Amps	7 Amps
10	30 Amps	30 Amps	20 Amps	15 Amps	10 Amps

**Not recommended for use at this length. Note: The longer the wiring length, the lower the Amp conductivity due to voltage drop.

Proper wiring of your EasyPro EXP Self-Priming External Pump will help ensure years of trouble free service.

SCAN THE CODE

for more installation tips and pump information.



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