

REMOTE POWER RECEPTACLE INSTALLATION GUIDELINES

For Precedent™ Trailer Units with SmartPower™ Option

⚠ DANGER: An improperly installed remote power receptacle could lead to serious injury or death! Only a qualified electrician should perform this installation.

⚠ DANGER: The remote power cable must be physically separated from the trailer's fuel lines. Fuel lines in the presents of an electrical short can result in a fire!

⚠ WARNING: Take precautions to ensure the unit will not accidentally start while you are servicing the system.

⚠ CAUTION: The remote power receptacle and electrical wiring must be installed in such a manner as to not interfere with the normal operation of the trailer.

NOTE: The power receptacle factory installed onto the unit is the preferred mounting method. Alternative mounting methods are the responsibility of the installer.

- The installer is responsible for mounting the remote receptacle securely and safely onto the trailer.
- The installer is responsible that all electrical wiring is safely installed and all connections and grounds are made per the supplied instructions and wiring diagram.
- To prevent damage to the refrigeration units electric motor, the combined power cable length from the unit to the power supply, must not exceed the recommendations shown in Figure 1.
- The installer is responsible for installing all supplied safety labels and meeting applicable electrical codes.

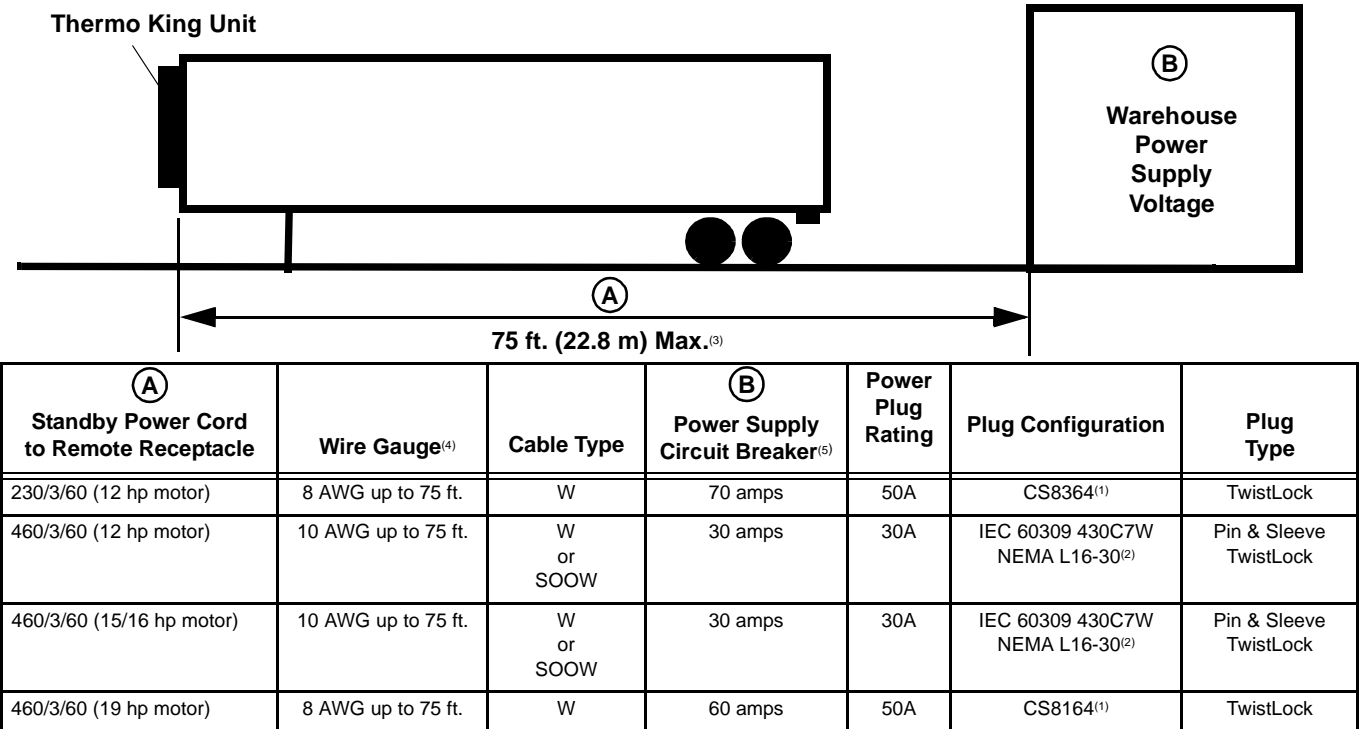


Figure 1: Standby Power Cable and Circuit Breaker Size Recommendations

⁽¹⁾CS = California Standard

⁽²⁾NEMA = National Electrical Manufacturers Association

⁽³⁾75 ft. (22.8 m) Maximum total power conductor length

⁽⁴⁾Minimum Recommendation

⁽⁵⁾HACR/Motor Circuit Breaker

Installation Guidelines

Additional Unit Ground Wire

IMPORTANT: An additional ground wire is required from the Precedent unit to the chassis of the trailer. This ground wire can be found attached to the outside of the flexible conduit under the unit going up to the high voltage box.

1. After the Precedent unit has been installed, choose a location on the trailer's chassis to attach the additional unit ground wire.
 - Route the ground wire to the trailer's chassis.
 - Remove any paint or debris from this area and attach the ground wire securely to the chassis with (installer supplied) hardware.

Power Cable to High Voltage Box Connections

2. Open the roadside door, loosen the control box screws and swing the control box away to access the high voltage box.
 - From under the unit locate the flexible conduit at the rear of the high voltage box.
3. Route the power cable (installer supplied) through this conduit and into the high voltage box.
 - Strip the ends of the three power wires (**L1, L2, L3**) and install sleeve crimps (installer supplied) firmly onto each wire.
 - Connect power wires (**L1, L2, L3**) securely to the **Phase Contactor PC1**. See "Wiring Schematic from Contactor to Remote Receptacle Plug" on page 3.
 - Strip the end of the ground wire and install a terminal ring (installer supplied) firmly onto the wire.
 - Attach ground wire securely onto the high voltage ground stud located inside the high voltage box.
4. Close and secure:
 - High Voltage Box Cover
 - Control box
 - Roadside door

Remote Receptacle Connections

5. Route power cable (installer supplied) to the remote receptacle and attach the wires securely. See "Wiring Schematic from Contactor to Remote Receptacle Plug" on page 3.

NOTE: It is recommended that an additional ground wire (installer supplied) be provided from the remote receptacle to the trailer chassis.

Completing the Installation

6. Plug the correct voltage power cord into the remote power receptacle.
7. Turn the unit controls ON and operate the unit in electric standby mode.
8. Verify the unit operates in both diesel and electric standby modes.

Phase Contactor PC1

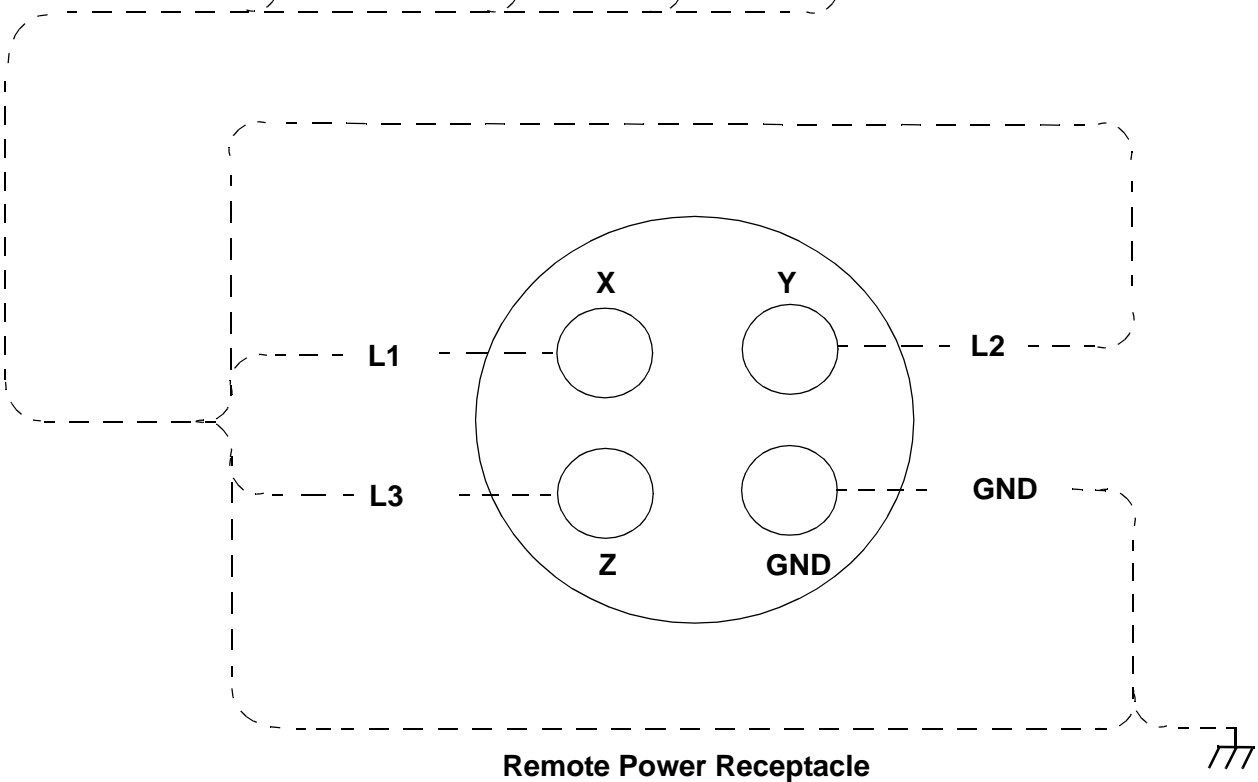
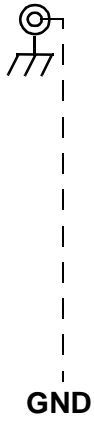
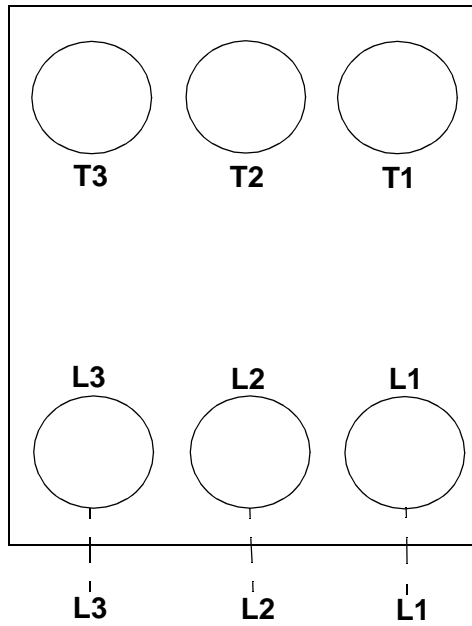


Figure 2: Wiring Schematic from Contactor to Remote Receptacle Plug

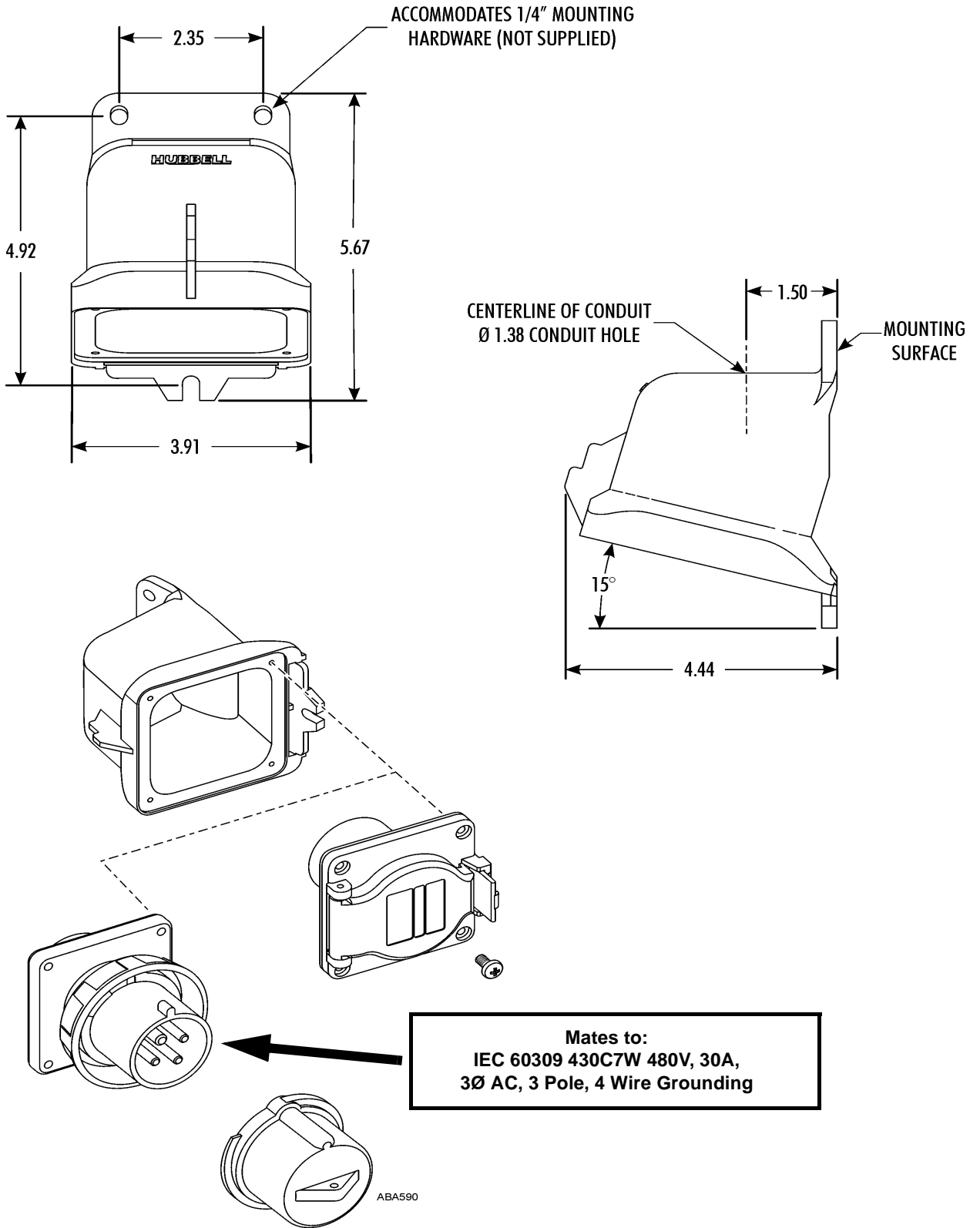


Figure 3: Receptacle Dimensions