



Installation Manual

Split System Heat Pump 13 SEER R-22
018-060 Single Phase
048, 060 3 Phase

PH13

NOTE: Read the entire instruction manual before starting the installation.

SAFETY CONSIDERATIONS

Improper installation, adjustment, alteration, service, maintenance, or use can cause explosion, fire, electrical shock, or other conditions which may cause death, personal injury, or property damage. Consult a qualified installer, service agency, or your distributor or branch for information or assistance. The qualified installer or agency must use factory-authorized kits or accessories when modifying this product. Refer to the individual instructions packaged with the kits or accessories when installing.

Follow all safety codes. Wear safety glasses, protective clothing, and work gloves. Use quenching cloth for brazing operations. Have fire extinguisher available. Read these instructions thoroughly and follow all warnings or cautions included in literature and attached to the unit. Consult local building codes and National Electrical Code (NEC) for special requirements.

Recognize safety information. This is the safety-alert symbol . When you see this symbol on the unit and in instructions or manuals, be alert to the potential for personal injury.

Understand the signal words DANGER, WARNING, and CAUTION. These words are used with the safety-alert symbol. DANGER identifies the most serious hazards which will result in severe personal injury or death. WARNING signifies hazards which could result in personal injury or death. CAUTION is used to identify unsafe practices which may result in minor personal injury or product and property damage. NOTE is used to highlight suggestions which will result in enhanced installation, reliability, or operation.

WARNING: Electrical Shock Hazard

Failure to follow this warning can cause death or personal injury.

Before installing or servicing system, always turn off main power to system. There may be more than 1 disconnect switch. Turn off accessory heater power, if applicable.

INSTALLATION RECOMMENDATIONS

NOTE: In some cases noise in the living area has been traced to gas pulsations from improper installation of equipment.

1. Locate unit away from windows, patios, decks, etc., where unit operation sounds may disturb customer.
2. Ensure that vapor and liquid tube diameters are appropriate to capacity of unit.
3. Run refrigerant tubes as directly as possible by avoiding unnecessary turns and bends.
4. Leave some slack between structure and unit to absorb vibration.
5. When passing refrigerant tubes through the wall, seal opening with RTV or other pliable silicon-based caulk. (See Fig. 1.)
6. Avoid direct tubing contact with water pipes, duct work, floor joists, wall studs, floors, and walls.
7. Do not suspend refrigerant tubing from joists and studs with a rigid wire or strap which comes in direct contact with tubing. (See Fig. 1.)
8. Ensure that tubing insulation is pliable and completely surrounds vapor tube.
9. When necessary, use hanger straps which are 1 in. wide and conform to shape of tubing insulation. (See Fig. 1.)
10. Isolate hanger straps from insulation by using metal sleeves bent to conform to shape of insulation.

IMPORTANT: Always install a liquid-line filter drier on any system using an existing field service lineset and/or existing indoor coil. Also, always use liquid line filter driers on burnout compressor replacements. Refer to Spec Sheet for appropriate part number. Obtain filter drier from your distributor or branch.

Payne Heat Pump Owners Manual

Wei Wu,Hai-Sui Yu



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Energy Geotechnics Alessio Ferrari, Lyessse Laloui, 2018-08-23 This book collects selected full papers presented at the International Symposium on Energy Geotechnics 2018 SEG 2018 held on 25th 28th September 2018 at the Swiss Federal Institute of Technology in Lausanne EPFL It covers a wide range of topics in energy geotechnics including energy geostructures energy geostorage thermo hydro chemo mechanical behaviour of geomaterials unconventional resources hydraulic stimulation induced seismicity CO₂ geological storage and nuclear waste disposal as well as topics such as tower and offshore foundations The book is intended for postgraduate students researchers and practitioners working on geomechanics and geotechnical engineering for energy related applications Government reports annual index , 199?

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