Installation Instructions

Electric Heat and 575V

Water Source Heat Pump

0.5 to 6 Tons

⚠ SAFETY WARNING

Only qualified personnel should install and service the equipment. The installation, starting up, and servicing of heating, ventilating, and air-conditioning equipment can be hazardous and requires specific knowledge and training. Improperly installed, adjusted or altered equipment by an unqualified person could result in death or serious injury. When working on the equipment, observe all precautions in the literature and on the tags, stickers, and labels that are attached to the equipment.

May 2023

WSHP-SVN011A-EN

Introduction

Read this manual thoroughly before operating or servicing this unit.

Warnings, Cautions, and Notices

Safety advisories appear throughout this manual as required. Your personal safety and the proper operation of this machine depend upon the strict observance of these precautions.

The three types of advisories are defined as follows:

⚠ WARNING	Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.
⚠ CAUTION	Indicates a potentially hazardous situation which, if not avoided, could result in minor or moderate injury. It could also be used to alert against unsafe practices.
NOTICE	Indicates a situation that could result in equipment or property-damage only accidents.

Important Environmental Concerns

Scientific research has shown that certain man-made chemicals can affect the earth's naturally occurring stratospheric ozone layer when released to the atmosphere. In particular, several of the identified chemicals that may affect the ozone layer are refrigerants that contain Chlorine, Fluorine and Carbon (CFCs) and those containing Hydrogen, Chlorine, Fluorine and Carbon (HCFCs). Not all refrigerants containing these compounds have the same potential impact to the environment. Trane advocates the responsible handling of all refrigerants.

Important Responsible Refrigerant Practices

Trane believes that responsible refrigerant practices are important to the environment, our customers, and the air conditioning industry. All technicians who handle refrigerants must be certified according to local rules. For the USA, the Federal Clean Air Act (Section 608) sets forth the requirements for handling, reclaiming, recovering and recycling of certain refrigerants and the equipment that is used in these service procedures. In addition, some states or municipalities may have additional requirements that must also be adhered to for responsible management of refrigerants. Know the applicable laws and follow them.

⚠ WARNING

Proper Field Wiring and Grounding Required!

Failure to follow code could result in death or serious injury.

All field wiring MUST be performed by qualified personnel. Improperly installed and grounded field wiring poses FIRE and ELECTROCUTION hazards. To avoid these hazards, you MUST follow requirements for field wiring installation and grounding as described in NEC and your local/state/national electrical codes.

⚠ WARNING

Personal Protective Equipment (PPE) Required!

Failure to wear proper PPE for the job being undertaken could result in death or serious injury. Technicians, in order to protect themselves from potential electrical, mechanical, and chemical hazards, MUST follow precautions in this manual and on the tags, stickers, and labels, as well as the instructions below:

- **Before installing/servicing this unit, technicians MUST put on all PPE required for the work being undertaken (Examples; cut resistant gloves/ sleeves, butyl gloves, safety glasses, hard hat/ bump cap, fall protection, electrical PPE and arc flash clothing). ALWAYS refer to appropriate Safety Data Sheets (SDS) and OSHA guidelines for proper PPE.**
- **When working with or around hazardous chemicals, ALWAYS refer to the appropriate SDS and OSHA/GHS (Global Harmonized System of Classification and Labelling of Chemicals) guidelines for information on allowable personal exposure levels, proper respiratory protection and handling instructions.**
- **If there is a risk of energized electrical contact, arc, or flash, technicians MUST put on all PPE in accordance with OSHA, NFPA 70E, or other country-specific requirements for arc flash protection, PRIOR to servicing the unit. NEVER PERFORM ANY SWITCHING, DISCONNECTING, OR VOLTAGE TESTING WITHOUT PROPER ELECTRICAL PPE AND ARC FLASH CLOTHING. ENSURE ELECTRICAL METERS AND EQUIPMENT ARE PROPERLY RATED FOR INTENDED VOLTAGE.**

⚠ WARNING

Follow EHS Policies!

Failure to follow instructions below could result in death or serious injury.

- **All Trane personnel must follow the company's Environmental, Health and Safety (EHS) policies when performing work such as hot work, electrical, fall protection, lockout/tagout, refrigerant handling, etc. Where local regulations are more stringent than these policies, those regulations supersede these policies.**
- **Non-Trane personnel should always follow local regulations.**

Table of Contents

General Information

These instructions cover the installation of the Electric Duct Heaters (EDH) for 0.5 to 5 tons units of all efficiencies. It is the customer's responsibility to ensure that the heater functions properly in the application.

All heaters have an Auto Reset Limit temperature of 130˚F and a Manual Reset temperature of 160˚F. It is recommended to observe at least one heating cycle to ensure normal operation of the heater and safety limit controls.

Unit Inspection

To protect against loss due to damage incurred in transit, perform inspection immediately upon receipt of the unit. Check carefully for shipping damage.

1. Inspect the complete exterior for signs of shipping damages to unit or packing material.
2. Inspect heater for possible shipping or handling damage.
3. Check all electrical insulators and inspect heater element wire(s) for any damage.
4. Make sure all fasteners are tight, and none are missing.
5. Check that all electrical connections are tight.
6. Verify that the nameplate data matches the sales order and bill of lading.
7. Verify the power supply complies with the unit nameplate specifications.

Electrical Requirements

1. Verify that all electrical power has been disconnected before servicing.
2. Refer to the wiring diagram on inside of cover of the heater control box.
3. When servicing the heater, make sure all components are repositioned in the proper location and reconnect as per the wiring diagram.
4. Make sure line and control voltages of system matches what is noted on wiring diagram.
5. Wire in accordance with N.E.C. and any existing local codes.
6. Check the tightness of all factory and field electrical connections.
7. Use minimum of 90˚C (194˚F) rated copper wire.
8. Control must be wired for N.E.C. Class 1 unless otherwise specified.
9. If the heater has an integral transformer for control voltage to a thermostat, use a thermostat with isolating contacts to prevent interconnection of class 2 outputs.
10. Replacement parts must be identical to the original components.
11. Contact factory for replacement parts.

Note: *Safety precautions must be taken to avoid injury or electrocution.*

Installation

⚠ WARNING

Hazardous Voltage!

Failure to disconnect power before servicing could result in death or serious injury.

Disconnect all electric power, including remote disconnects before servicing. Follow proper lockout/tagout procedures to ensure the power can not be inadvertently energized. Verify that no power is present with a voltmeter.

Mounting Requirements

For EDH modes that are installed horizontally or vertically in duct spaces, the following instructions **MUST** be followed for safe and optimal performance.

1. Install heater a minimum of four (4) feet from the heat pump unit outlet.
2. Install at least four (4) feet from an air handler.
3. Install at least two (2) feet either side from an elbow or turn.
4. Install at least four (4) feet from any canvas duct connector or transition section for change in duct size.
5. Install at least four (4) feet downstream from an air filter.
6. Install at least four (4) feet upstream from a humidifier.

Note: *All EDH models may be flipped and/or rotated for best fit applications. Refer to Figure 1, p. 6 for possibilities.*

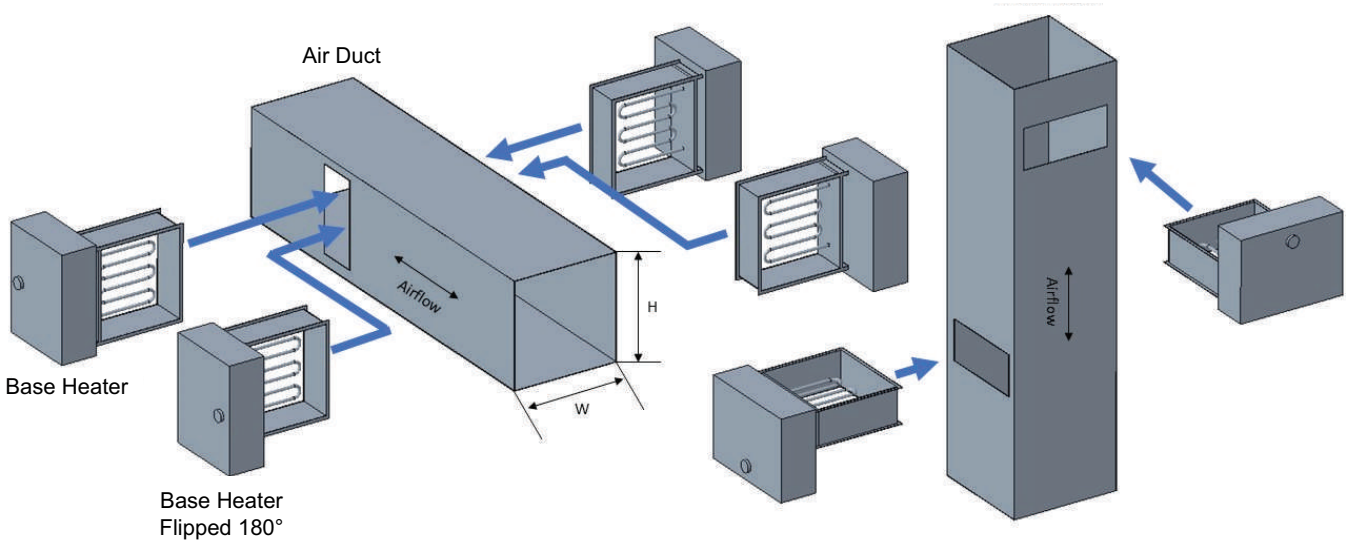
Preparations and Installation

1. Inspect the duct work to make sure the area is free of obstacles and wiring before cutting the mounting hole.
2. To install, cut an appropriately sized opening in the duct to allow the heater to tightly slip in.
3. Insert the heater and use the heater box as a template for the mounting fastener locations.
4. Remove heater and drill fastener holes.
5. Re-insert the heater and mount to the duct using sheet metal fasteners.
6. While power is disconnected, terminate all high and low voltage supply lines.
7. All duct heaters should be installed in accordance with the Standards of the National Fire Protection Agency for the Installation of Air Conditioning and Ventilating Systems (Pamphlet No. 90A) and Warm Air Heating and Air Conditioning Systems (Pamphlet No. 90B).
8. All heater control boxes must be completely accessible and always ventilated. Do not block control panel venting.

Figure 1. Horizontal duct, vertical duct, and airflow

Horizontal Duct and Airflow
with Horizontal Installation

Vertical Duct and Airflow
*Same Heater for Verical Ducts



One Heater – 4 Positions

Heater Information

Electrical Data

Table 1. GEV/H electric duct heater data (0.5 to 5 tons)

MODEL	EH Size	Volts	kW	Amps	EH MOP
GEV/H006	Medium	208-230/60/1	1.2/1.5	5.9/6.5	15
GEV/H006	Medium	265/60/1	1.4	5.2	15
GEV/H009	Medium	208-230/60/1	1.2/1.5	5.9/6.5	15
GEV/H009	Medium	265/60/1	1.4	5.2	15
GEV/H012	Medium	208-230/60/1	1.2/1.5	5.9/6.5	15
GEV/H012	Medium	265/60/1	1.4	5.2	15
GEV/H015	Medium	208-230/60/1	2.0/2.5	9.8/10.9	15
GEV/H015	Medium	265/60/1	2.3	8.6	15
GEV/H018	Medium	208-230/60/1	2.0/2.5	9.8/10.9	15
GEV/H018	Medium	265/60/1	2.3	8.6	15
GEV/H024	Medium	208-230/60/1	3.3/4.0	15.7/17.4	25
GEV/H024	Medium	265/60/1	3.7	13.8	20
GEV/H024	Medium	208-230/60/3	3.3/4.0	9.1/10.1	15
GEV/H024	Medium	460/60/3	3.7	4.6	15
GEV/H030	Medium	208-230/60/1	3.3/4.0	15.7/17.4	25
GEV/H030	Medium	208-230/60/3	3.3/4.0	9.1/10.1	20
GEV/H030	Medium	265/60/1	3.7	13.8	15
GEV/H030	Medium	460/60/3	3.7	4.6	15
GEV/H036	Low	208-230/60/1	4.9/6.0	23.6/26.1	35
GEV/H036	Medium	208-230/60/1	8.2/10.0	39.3/43.5	60
GEV/H036	High	208-230/60/1	12.3/15.0	59.0/65.2	90
GEV/H036	Low	265/60/1	5.5	20.7	30
GEV/H036	Medium	265/60/1	9.2	34.5	50
GEV/H036	High	265/60/1	13.7	51.8	70
GEV/H036	Low	208-230/60/3	4.9/6.0	13.6/15.1	20
GEV/H036	Medium	208-230/60/3	8.2/10.0	22.7/25.1	35
GEV/H036	High	208-230/60/3	12.3/15.0	34.1/37.7	50
GEV/H036	Low	460/60/3	5.5	6.9	15
GEV/H036	Medium	460/60/3	9.2	11.5	20
GEV/H036	High	460/60/3	13.8	17.3	25
GEV/H042	Low	208-230/60/1	4.9/6.0	23.6/26.1	35
GEV/H042	Medium	208-230/60/1	8.2/10.0	39.3/43.5	60
GEV/H042	High	208-230/60/1	12.3/15.0	59.0/65.2	90
GEV/H042	Low	208-230/60/3	4.9/6.0	13.6/15.1	20
GEV/H042	Medium	208-230/60/3	8.2/10.0	22.7/25.1	35

Table 1. GEV/H electric duct heater data (0.5 to 5 tons) (continued)

MODEL	EH Size	Volts	kW	Amps	EH MOP
GEV/H042	High	208-230/60/3	12.3/15.0	34.1/37.7	50
GEV/H042	Low	460/60/3	5.5	6.9	15
GEV/H042	Medium	460/60/3	9.2	11.5	20
GEV/H042	High	460/60/3	13.8	17.3	25
GEV/H048	Low	208-230/60/1	4.9/6.0	23.6/26.1	35
GEV/H048	Medium	208-230/60/1	8.2/10.0	39.3/43.5	60
GEV/H048	High	208-230/60/1	12.3/15.0	59.0/65.2	90
GEV/H048	Low	208-230/60/3	4.9/6.0	13.6/15.1	20
GEV/H048	Medium	208-230/60/3	8.2/10.0	22.7/25.1	35
GEV/H048	High	208-230/60/3	12.3/15.0	34.1/37.7	50
GEV/H048	Low	460/60/3	5.5	6.9	15
GEV/H048	Medium	460/60/3	9.2	11.5	20
GEV/H048	High	460/60/3	13.8	17.3	25
GEV/H048	High	575/60/3	13.7	13.8	35
GEV/H060	Low	208-230/60/1	4.9/6.0	23.6/26.1	35
GEV/H060	Medium	208-230/60/1	8.2/10.0	39.3/43.5	60
GEV/H060	High	208-230/60/1	12.3/15.0	59.0/65.2	90
GEV/H060	Low	208-230/60/3	4.9/6.0	13.6/15.1	20
GEV/H060	Medium	208-230/60/3	8.2/10.0	22.7/25.1	35
GEV/H060	High	208-230/60/3	12.3/15.0	34.1/37.7	50
GEV/H060	Low	460/60/3	5.5	6.9	15
GEV/H060	Medium	460/60/3	9.2	11.5	20
GEV/H060	High	460/60/3	13.8	17.3	25
GEV/H060	High	575/60/3	13.7	13.8	35

Table 2. EXV/H and DXV/H electric duct heater data (0.75 to 6 tons)

MODEL	EH Size	Volts	kW	Amps	EH MOP
EXV/H009	Medium	208-230/60/1	2.0/2.5	9.8/10.9	15
EXV/H009	Medium	265/60/1	2.3	8.6	15
EXV/H012	Medium	208-230/60/1	2.0/2.5	9.8/10.9	15
EXV/H012	Medium	265/60/1	2.3	8.6	15
EXV/H015	Medium	208-230/60/1	2.0/2.5	9.8/10.9	15
EXV/H015	Medium	265/60/1	2.3	8.6	15
EXV/H018	Medium	208-230/60/1	3.3/4.0	15.7/17.4	25
EXV/H018	Medium	265/60/1	3.7	13.8	20
EXV/H024	Medium	208-230/60/1	3.3/4.0	15.7/17.4	25
EXV/H024	Medium	265/60/1	3.7	13.8	20
EXV/H024	Medium	208-230/60/3	3.3/4.0	9.1/10.1	15
EXV/H024	Medium	460/60/3	3.7	4.6	15
EXV/H030	Medium	208-230/60/1	4.1/5.0	19.7/21.7	30

Table 2. EXV/H and DXV/H electric duct heater data (0.75 to 6 tons) (continued)

MODEL	EH Size	Volts	kW	Amps	EH MOP
EXV/H030	Medium	265/60/1	4.6	17.3	25
EXV/H030	Medium	208-230/60/3	4.1/5.0	11.4/12.6	20
EXV/H030	Medium	460/60/3	4.6	5.8	15
EXV/H036	Low	208-230/60/1	4.9/6.0	23.6/26.1	35
EXV/H036	Medium	208-230/60/1	8.2/10.0	39.3/43.5	60
EXV/H036	High	208-230/60/1	12.3/15.0	59.0/65.2	90
EXV/H036	Low	265/60/1	5.5	20.7	30
EXV/H036	Medium	265/60/1	9.2	34.5	50
EXV/H036	High	265/60/1	13.7	51.8	70
EXV/H036	Low	208-230/60/3	4.9/6.0	13.6/15.1	20
EXV/H036	Medium	208-230/60/3	8.2/10.0	22.7/25.1	35
EXV/H036	High	208-230/60/3	12.3/15.0	34.1/37.7	50
EXV/H036	Low	460/60/3	5.5	6.9	15
EXV/H036	Medium	460/60/3	9.2	11.5	20
EXV/H036	High	460/60/3	13.8	17.3	25
EXV/H036	High	575/60/3	13.7	13.8	35
EXV/H042	Low	208-230/60/1	4.9/6.0	23.6/26.1	35
EXV/H042	Medium	208-230/60/1	8.2/10.0	39.3/43.5	60
EXV/H042	High	208-230/60/1	12.3/15.0	59.0/65.2	90
EXV/H042	Low	208-230/60/3	4.9/6.0	13.6/15.1	20
EXV/H042	Medium	208-230/60/3	8.2/10.0	22.7/25.1	35
EXV/H042	High	208-230/60/3	12.3/15.0	34.1/37.7	50
EXV/H042	Low	460/60/3	5.5	6.9	15
EXV/H042	Medium	460/60/3	9.2	11.5	20
EXV/H042	High	460/60/3	13.8	17.3	25
EXV/H042	High	575/60/3	13.7	13.8	35
EXV/H048	Low	208-230/60/1	4.9/6.0	23.6/26.1	35
EXV/H048	Medium	208-230/60/1	8.2/10.0	39.3/43.5	60
EXV/H048	High	208-230/60/1	12.3/15.0	59.0/65.2	90
EXV/H048	Low	208-230/60/3	4.9/6.0	13.6/15.1	20
EXV/H048	Medium	208-230/60/3	8.2/10.0	22.7/25.1	35
EXV/H048	High	208-230/60/3	12.3/15.0	34.1/37.7	50
EXV/H048	Low	460/60/3	5.5	6.9	15
EXV/H048	Medium	460/60/3	9.2	11.5	20
EXV/H048	High	460/60/3	13.8	17.3	25
EXV/H048	High	575/60/3	13.7	13.8	35
EXV/H060	Low	208-230/60/1	4.9/6.0	23.6/26.1	35
EXV/H060	Medium	208-230/60/1	8.2/10.0	39.3/43.5	60
EXV/H060	High	208-230/60/1	12.3/15.0	59.0/65.2	90
EXV/H060	Low	208-230/60/3	4.9/6.0	13.6/15.1	20
EXV/H060	Medium	208-230/60/3	8.2/10.0	22.7/25.1	35
EXV/H060	High	208-230/60/3	12.3/15.0	34.1/37.7	50
EXV/H060	Low	460/60/3	5.5	6.9	15

Table 2. EXV/H and DXV/H electric duct heater data (0.75 to 6 tons) (continued)

MODEL	EH Size	Volts	kW	Amps	EH MOP
EXV/H060	Medium	460/60/3	9.2	11.5	20
EXV/H060	High	460/60/3	13.8	17.3	25
EXV/H060	High	575/60/3	13.7	13.8	35
EXV/H070	Low	208-230/60/1	4.9/6.0	23.6/26.1	35
EXV/H070	Medium	208-230/60/1	8.2/10.0	39.3/43.5	60
EXV/H070	High	208-230/60/1	12.3/15.0	59.0/65.2	90
EXV/H070	Low	208-230/60/3	4.9/6.0	13.6/15.1	20
EXV/H070	Medium	208-230/60/3	8.2/10.0	22.7/25.1	35
EXV/H070	High	208-230/60/3	12.3/15.0	34.1/37.7	50
EXV/H070	Low	460/60/3	5.5	6.9	15
EXV/H070	Medium	460/60/3	9.2	11.5	20
EXV/H070	High	460/60/3	13.8	17.3	25
EXV/H070	High	575/60/3	13.7	13.8	35
DXV/H024	Medium	208-230/60/1	3.3/4.0	15.7/17.4	25
DXV/H024	Medium	265/60/1	3.7	13.8	20
DXV/H024	Medium	208-230/60/3	3.3/4.0	9.1/10.1	15
DXV/H024	Medium	460/60/3	3.7	4.6	15
DXV/H036	Low	208-230/60/1	4.9/6.0	23.6/26.1	35
DXV/H036	Medium	208-230/60/1	8.2/10.0	39.3/43.5	60
DXV/H036	High	208-230/60/1	12.3/15.0	59.0/65.2	90
DXV/H036	Low	265/60/1	5.5	20.7	30
DXV/H036	Medium	265/60/1	9.2	34.5	50
DXV/H036	High	265/60/1	13.7	51.8	70
DXV/H036	Low	208-230/60/3	4.9/6.0	13.6/15.1	20
DXV/H036	Medium	208-230/60/3	8.2/10.0	22.7/25.1	35
DXV/H036	High	208-230/60/3	12.3/15.0	34.1/37.7	50
DXV/H036	Low	460/60/3	5.5	6.9	15
DXV/H036	Medium	460/60/3	9.2	11.5	20
DXV/H036	High	460/60/3	13.8	17.3	25
DXV/H036	High	575/60/3	13.7	13.8	35
DXV/H048	Low	208-230/60/1	4.9/6.0	23.6/26.1	35
DXV/H048	Medium	208-230/60/1	8.2/10.0	39.3/43.5	60
DXV/H048	High	208-230/60/1	12.3/15.0	59.0/65.2	90
DXV/H048	Low	208-230/60/3	4.9/6.0	13.6/15.1	20
DXV/H048	Medium	208-230/60/3	8.2/10.0	22.7/25.1	35
DXV/H048	High	208-230/60/3	12.3/15.0	34.1/37.7	50
DXV/H048	Low	460/60/3	5.5	6.9	15
DXV/H048	Medium	460/60/3	9.2	11.5	20
DXV/H048	High	460/60/3	13.8	17.3	25
DXV/H048	High	575/60/3	13.7	13.8	35
DXV/H060	Low	208-230/60/1	4.9/6.0	23.6/26.1	35
DXV/H060	Medium	208-230/60/1	8.2/10.0	39.3/43.5	60
DXV/H060	High	208-230/60/1	12.3/15.0	59.0/65.2	90

Table 2. EXV/H and DXV/H electric duct heater data (0.75 to 6 tons) (continued)

MODEL	EH Size	Volts	kW	Amps	EH MOP
DXV/H060	Low	208-230/60/3	4.9/6.0	13.6/15.1	20
DXV/H060	Medium	208-230/60/3	8.2/10.0	22.7/25.1	35
DXV/H060	High	208-230/60/3	12.3/15.0	34.1/37.7	50
DXV/H060	Low	460/60/3	5.5	6.9	15
DXV/H060	Medium	460/60/3	9.2	11.5	20
DXV/H060	High	460/60/3	13.8	17.3	25
DXV/H060	High	575/60/3	13.7	13.8	35
DXV/H070	Low	208-230/60/1	4.9/6.0	23.6/26.1	35
DXV/H070	Medium	208-230/60/1	8.2/10.0	39.3/43.5	60
DXV/H070	High	208-230/60/1	12.3/15.0	59.0/65.2	90
DXV/H070	Low	208-230/60/3	4.9/6.0	13.6/15.1	20
DXV/H070	Medium	208-230/60/3	8.2/10.0	22.7/25.1	35
DXV/H070	High	208-230/60/3	12.3/15.0	34.1/37.7	50
DXV/H070	Low	460/60/3	5.5	6.9	15
DXV/H070	Medium	460/60/3	9.2	11.5	20
DXV/H070	High	460/60/3	13.8	17.3	25
DXV/H070	High	575/60/3	13.7	13.8	35

Air Temperature Rise

Table 3. Air temperature rise – GEV/H

Unit	kW	Design CFM	Air Temperature Rise	Min CFM
GEV/H006	1.5	190	24.96	61
GEV/H009	1.5	285	16.64	61
GEV/H012	1.5	380	12.48	61
GEV/H015	2.5	475	16.64	101
GEV/H018	2.5	570	13.86	101
GEV/H024	4.0	760	16.64	162
GEV/H030	4.0	950	13.31	162
GEV/H036	6.0	1140	16.64	242
	10.0	1140	27.73	404
	15.0	1140	41.59	606
GEV/H042	6.0	1330	14.26	242
	10.0	1330	23.77	404
	15.0	1330	35.65	606
GEV/H048	6.0	1520	12.48	242
	10.0	1520	20.80	404
	15.0	1520	31.20	606
GEV/H060	6.0	1900	9.98	242
	10.0	1900	16.64	404
	15.0	1900	24.96	606

Note: To calculate temperature rise at different airflow, use the following formula: Temperature Rise across Electric Heater = (kW x 3414) / (1.08 x CFM).

Heater Information

Table 4. Air temperature rise – EXV/H

Unit	kW	Design CFM	Air Temperature Rise	Min CFM
EXV/H009	2.5	285	27.73	101
EXV/H012	2.5	380	20.80	101
EXV/H015	2.5	475	16.64	101
EXV/H018	4.0	570	22.18	162
EXV/H024	4.0	760	16.64	162
EXV/H030	5.0	950	16.64	202
EXV/H036	6.0	1140	16.64	242
	10.0	1140	27.73	404
	15.0	1140	41.59	606
EXV/H042	6.0	1330	14.26	242
	10.0	1330	23.77	404
	15.0	1330	35.65	606
EXV/H048	6.0	1520	12.48	242
	10.0	1520	20.80	404
	15.0	1520	31.20	606
EXV/H060	6.0	1900	9.98	242
	10.0	1900	16.64	404
	15.0	1900	24.96	606
EXV/H070	6.0	2215	8.56	242
	10.0	2215	14.27	404
	15.0	2215	21.41	606

Note: To calculate temperature rise at different airflow, use the following formula: Temperature Rise across Electric Heater = (kW x 3414) / (1.08 x CFM).

Table 5. Air temperature rise – DXV/H

Unit	kW	Design CFM	Air Temperature Rise	Min CFM
DXV/H024	4.0	760	16.64	162
DXV/H036	6.0	1140	16.64	242
	10.0	1140	27.73	404
	15.0	1140	41.59	606
DXV/H048	6.0	1520	12.48	242
	10.0	1520	20.80	404
	15.0	1520	31.20	606
DXV/H060	6.0	1900	9.98	242
	10.0	1900	16.64	404
	15.0	1900	24.96	606
DXV/H070	6.0	2217	8.56	242
	10.0	2217	14.26	404
	15.0	2217	21.39	606

Note: To calculate temperature rise at different airflow, use the following formula: Temperature Rise across Electric Heater = (kW x 3414) / (1.08 x CFM).

575V Transformer Selection

⚠ WARNING

Proper Field Wiring and Grounding Required!

Failure to follow code could result in death or serious injury.

All field wiring MUST be performed by qualified personnel. Improperly installed and grounded field wiring poses FIRE and ELECTROCUTION hazards. To avoid these hazards, you MUST follow requirements for field wiring installation and grounding as described in NEC and your local/state/national electrical codes.

In order to apply the Axiom™ 2 to 6 ton horizontal and vertical water source heat pumps in a 575V/60Hz/3Ph application, a 460V/60Hz/3Ph unit must be ordered and installed in conjunction with a field-supplied 575V to 460V transformer. When utilizing a 3 phase stepdown transformer from 575V to 460V for the 2 to 6 ton WSHP units, a minimum of a 6KVA transformer will be required.

Notes

Trane - by Trane Technologies (NYSE: TT), a global innovator - creates comfortable, energy efficient indoor environments for commercial and residential applications. For more information, please visit trane. com or tranetechnologies.com.

WSHP-SVN011A-EN 13 May 2023
Supersedes (New)