# Trane® Axiom™ Mid-Range and Large Water Source Heat Pumps

The 6-25 ton horizontal and vertical water source heat pumps are used in a broad range of applications

## Models GEH and GEV – 6 to 25 tons

Schools, office buildings, health care/rehabilitation facilities, condominiums and retirement facilities are just a few of the types of buildings utilizing the energy conscious watersource design.

Model GEV (pictured to the right) is a floor mounted product that provides serviceability to maintenance components; indoor air quality standards; and sound attenuation.

Trane's design incorporates system advantages such as:

- Exceeds ASHRAE 90.1-standards for efficiency
- Dual sloped, polymer drain pan
- Return-air and supply-air flexibility
- Multiple fan motor packages
- Quiet unit design
- Integrated factory mounted, wired and tested controls
- Dual circuit design
- Panel free filter maintenance
- High and low pressure safeties as standard
- Dehumidification option
- Waterside economizing option
- 2 Speed Blower Motor (option)
- Supplemental electric heat option
- Full array of filter options including MERV 8 and MERV 13 to meet LEED EQ Credit 5
- Lower-gwp R-454B refrigerant and factory installed leak detection systems as required by UL 60335-2-40

# Trane® Axiom™ Mid-Range and Large Water Source Heat Pumps

| | | | Water Loop Heat Pump | | | | Ground Loop Heat Pump | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | Cooling 86°F | | Heating 68°F | | Cooling 77°F | | Heating 32°F | |
| Model | Rated GPM | Rated CFM | Capacity (BTUH) | EER | Capacity (BTUH) | COP | Capacity (BTUH) | EER | Capacity (BTUH) | COP |
| GEHK072 | 18.0 | 2100 | 75000 | 14.8 | 82400 | 4.5 | 77200 | 16.9 | 58700 | 3.4 |
| GEHK090 | 22.5 | 2625 | 88200 | 13.9 | 106200 | 4.6 | 90500 | 15.7 | 73000 | 3.4 |
| GEHK120 | 30.0 | 3500 | 121900 | 14.3 | 144800 | 4.8 | 125000 | 15.9 | 98500 | 3.4 |
| GEHK150 | 37.5 | 4375 | 158600 | 15.3 | 191800 | 4.8 | 164100 | 17.7 | 126200 | 3.5 |
| GEHK180 | 45.0 | 5250 | 188900 | 13.8 | 227000 | 4.5 | 197200 | 15.8 | 152900 | 3.3 |
| GEVK072 | 18.0 | 2100 | 77100 | 16.5 | 79900 | 4.7 | 80000 | 19.2 | 56200 | 3.6 |
| GEVK090 | 22.5 | 2625 | 92000 | 16.3 | 108000 | 4.9 | 95600 | 18.9 | 70700 | 3.7 |
| GEVK120 | 30.0 | 3500 | 125800 | 16.8 | 139900 | 4.9 | 130200 | 19.1 | 97100 | 3.7 |
| GEVK150 | 37.5 | 4375 | 158900 | 15.9 | 191400 | 4.9 | 164400 | 18.4 | 124600 | 3.6 |
| GEVK180 | 45.0 | 5250 | 192600 | 14.9 | 228600 | 4.5 | 198600 | 16.9 | 145100 | 3.2 |
| GEVK240 | 60.0 | 7000 | 258200 | 16.6 | 287000 | 4.9 | 266200 | 18.8 | 184300 | 3.5 |
| GEVK300 | 75.0 | 8750 | 319000 | 14.5 | 377100 | 4.5 | 329500 | 16.4 | 243200 | 3.2 |

Rated in accordance with ANSI/AHRI/ASHRAE/ISO13256-1. Certified conditions are 80.6F DB/66.2F WB EAT in cooling and 68F DB/59F WB EAT in heating.
Models with capacities greater than 135,000 Btuh are not included in the ANSI/AHRI/ASHRAE/ISO13256-1 water-to-air and brine-to-air heat pump certification program.

| Model GEH | 072 | 090 | 120 | 150 | 180 |
|---|---|---|---|---|---|
| Width x Depth x Height (in.) | 41x79x21 | 41x79x21 | 41x79x21 | 47x85x28 | 47x85x28 |
| Compressor Type | Scroll (2) | Scroll (2) | Scroll (2) | Scroll (2) | Scroll (2) |
| Net Weight (lbs.) | 671 | 682 | 787 | 859 | 965 |
| Ship Weight (lbs.) | 720 | 730 | 829 | 901 | 1007 |
| Filter Size Nominal (in.) | 20x25 (3) | 920x25 (3) | 20x25 (3) | 20x25 (3) | 20x25 (3) |
| Water in/out size (FPT) | 1.25 | 1.25 | 1.50 | 1.50 | 1.50 |
| Condensate size (NPTI) | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 |
| Blower Wheel Size (in.) | 13x13 | 13x13 | 13x13 | 15x15 | 15x15 |

| Model GEV | 072 | 090 | 120 | 150 | 180 | 240 | 300 |
|---|---|---|---|---|---|---|---|
| Width x Depth x Height (in.) | 42x36x63 | 42x36x63 | 42x36x63 | 81-5/8 x 36-1/4 x 68 | 81-5/8 x 36-1/4 x 68 | 81-5/8 x 36-1/4 x 68 | 81-5/8 x 36-1/4 x 68 |
| Compressor Type | Scroll (2) | Scroll (2) | Scroll (2) | Scroll (2) | Scroll (2) | Scroll (2) | Scroll (2) |
| Net Weight (lbs.) | 596 | 624 | 819 | 1164 | 1188 | 1599 | 1636 |
| Ship Weight (lbs.) | 636 | 664 | 859 | 1209 | 1233 | 1644 | 1681 |
| Filter Size Nominal (in.) | 20x20 (4) | 20x20 (4) | 20x20 (4) | 20x25 (6) | 20x25 (6) | 20x25 (6) | 20x25 (6) |
| Water in/out size (FPT) | 1.25 | 1.25 | 1.50 | 1.50 | 1.50 | 2.00 | 2.00 |
| Condensate size (NPTI) | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 |
| Blower Wheel Size (in.) | 13x13 | 13x13 | 13x13 | 15x15 | 15x15 | (2) 13x13 | (2) 15x11 or (2) 13x13 (a) |

(a) Size is determined by specific drive package ordered.

Trane – by Trane Technologies (NYSE: TT), a global climate innovator – creates comfortable, energy efficient indoor environments through a broad portfolio of heating, ventilating and air conditioning systems and controls, services, parts and supply. For more information, please visit *trane.com or tranetechnologies.com.*



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