

# 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 90.1-2016 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 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



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

## AHRI - ISO Ratings

### Model GEH

			Water Loop (WLHP)				Ground Loop (GLHP)			
			Cooling 86F		Heating 68F		Cooling 77F		Heating 32F	
Size	Waterflow	Airflow	Cooling capacity (BTUH)	EER	Heating capacity (BTUH)	COP	Cooling capacity (BTUH)	EER	Heating capacity (BTUH)	COP
072	18.0	2100	75,500	13.40	83,800	4.80	74,600	16.00	54,400	3.50
090	22.5	2625	84,800	14.10	99,200	4.68	88,100	15.80	64,500	3.40
120	30.0	3500	116,800	13.35	147,100	4.60	120,600	14.90	99,200	3.20
150	37.5	4375	152,800	14.30	175,000	4.40	158,000	16.40	118,000	3.40
180	45.0	5250	180,800	13.10	222,700	4.40	188,500	14.70	147,900	3.50

### Model GEV

			Water Loop (WLHP)				Ground Loop (GLHP)			
			Cooling 86F		Heating 68F		Cooling 77F		Heating 32F	
Size	Waterflow	Airflow	Cooling capacity (BTUH)	EER	Heating capacity (BTUH)	COP	Cooling capacity (BTUH)	EER	Heating capacity (BTUH)	COP
072	18.0	2100	75,600	15.24	82,800	4.64	78,800	17.50	54,500	3.44
090	22.5	2625	88,800	15.10	103,600	4.50	92,100	17.40	65,600	3.40
120	30.0	3500	118,300	14.54	134,300	4.50	123,200	16.60	90,400	3.40
150	37.5	4375	154,300	15.40	185,300	4.80	158,900	17.30	120,600	3.60
180	45.0	5250	185,700	14.10	221,500	4.40	192,200	16.10	143,500	3.50
240	60.0	7000	249,800	15.10	270,800	4.60	258,000	17.00	177,900	3.50
300	75.0	8750	305,700	13.90	350,400	4.30	315,500	15.70	234,600	3.30

**Note:** 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 AHRI water-to-air and brine-to-air heat pump certification program.

### Unit Size

Horizontal	072	090	120	150	180	240	300
Width (inch)	79	79	79	85	85	-	-
Length (inch)	41	41	40	46	46	-	-
Height (inch)	21	21	21	28	28	-	-
Vertical	072	090	120	150	180	240	300
Width (inch)	36	36	36	36	36	36	36
Length (inch)	42	42	42	82	82	82	82
Height (inch)	63	63	63	68	68	68	68

### General Data

	072	090	120	150	180	240	300
Compressor Type	Scroll (2)	Scroll (2)	Scroll (2)	Scroll (2)	Scroll (2)	Scroll (2)	Scroll (2)
Approx. Net Weight (lb) (vertical)	590	618	817	1162	1178	1599	1620
Approx. Net Weight (lb) (horizontal)	665	676	785	857	955	-	-
Filter (vertical)	20x20 (4)	20x20 (4)	20x20 (4)	20x25 (6)	20x25 (6)	20x25 (6)	20x25 (6)
Filter (horizontal)	20x25 (3)	20x25 (3)	20x25 (3)	20x25 (3)	20x25 (3)	-	-
Water In/Out Size (FPT) (in)	1-1/4	1-1/4	1-1/2	1-1/2	1-1/2	2	2
Condensate Size (NPTI) (in) (vertical)	3/4	3/4	3/4	3/4	3/4	3/4	3/4
Condensate Size (NPTI) (in) (horizontal)	1/2	1/2	1/2	1/2	1/2	1/2	1/2
Blower Wheel Size (in) <sup>a</sup>	13x13	13x13	13x13	15x15	15x15	13x13 (2)	13x13 (2)

(a) Size determined by specific drive package ordered



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