



Trane Axiom Mid-Range and Large Water Source Heat Pumps

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

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 a serviceability to maintenance components; indoor air quality standards; sound attenuation; and best of all, higher efficiencies rated in accordance to ARI-ISO 13256-1 performance and ASHRAE 90.1 standards.

Trane's design incorporates system advantages such as

- Superior maintenance accessibility
- Dual-sloped, plastic drain pan
- Maximum return-air and supply-air flexibility
- Multiple fan speed motor packages
- Quiet unit design
- Integrated controls
- Dual circuit design
- High and low pressure safeties as standard
- Dehumidification option
- Waterside economizing option
- 2 Speed Blower Motor (option)
- Supplemental electric heat option



AHRI - ISO Ratings

Model GEH

Size	Waterflow	Airflow	Water Loop (WLHP)				Ground Water (GWHP)				Ground Loop (GLHP)			
			Cooling 86F		Heating 68F		Cooling 59F		Heating 50F		Full Cool 77F		Full Heat 32F	
			Cooling capacity (BTUH)	EER	Heating capacity (BTUH)	COP	Cooling capacity (BTUH)	EER	Heating capacity (BTUH)	COP	Cooling capacity (BTUH)	EER	Heating capacity (BTUH)	COP
072	18.0	2100	75,500	13.4	83,800	4.8	83,200	21.9	69,100	4.2	74,600	16.0	54,400	3.5
090	22.5	2625	88,100	14.1	99,200	4.7	94,600	20.7	83,000	4.1	88,100	15.8	64,500	3.4
120	30.0	3500	115,900	13.4	147,100	4.6	129,000	19.3	122,600	4.1	120,600	14.9	99,200	3.2
150	37.5	4375	152,800	14.3	175,000	4.4	166,800	20.6	147,800	4.1	158,000	16.4	118,000	3.4
180	45.0	5250	180,800	13.1	222,700	4.4	204,700	18.5	183,100	4.0	188,500	14.7	147,900	3.5

Model GEV

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			Cooling 86F		Heating 68F		Cooling 59F		Heating 50F		Full Cool 77F		Full Heat 32F	
			Cooling capacity (BTUH)	EER	Heating capacity (BTUH)	COP	Cooling capacity (BTUH)	EER	Heating capacity (BTUH)	COP	Cooling capacity (BTUH)	EER	Heating capacity (BTUH)	COP
072	18.0	2100	74,900	15.2	82,800	4.6	84,800	22.9	70,200	4.2	78,800	17.5	54,500	3.4
090	22.5	2625	89,700	15.1	103,600	4.5	98,600	22.9	83,600	4.1	92,100	17.4	65,600	3.4
120	30.0	3500	119,300	14.5	134,300	4.5	131,400	21.1	113,900	4.1	123,200	16.6	90,400	3.4
150	37.5	4375	154,300	15.4	185,300	4.8	170,400	22.2	152,900	4.3	158,900	17.3	120,600	3.6
180	45.0	5250	185,700	14.1	221,500	4.4	205,000	20.1	180,400	4.1	192,200	16.1	143,500	3.5
240	60.0	7000	249,800	15.1	270,800	4.6	280,200	22.1	223,800	4.2	258,000	17.0	177,900	3.5
300	75.0	8750	305,700	13.9	350,400	4.3	339,400	19.5	286,400	3.8	315,500	15.7	234,600	3.3

Note: Models with capacities greater than 135,000 BTUH are not included in the ARI water-to-air and brine-to-air heat pump certification program.
(a) Rated in accordance with ISO Standard 13256-1: 1998 (Water Loop Heat Pumps, Ground Water Heat Pumps, Ground Loop Heat Pumps).

Unit size

Horizontal	072	090	120	150	180
Length (inch)	41	41	41	47	47
Height (inch)	21	21	21	28	28
Width (inch)	79	79	79	85	85

Vertical	072	090	120	150	180	240	300
Length (inch)	42	42	42	82	82	82	82
Height (inch)	63	63	63	68	68	68	68
Width (inch)	36	36	36	36	36	36	36

General Data

	072	090	120	150	180	240	300
Compressor type	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll
Approximate Total weight (lb)	665	676	785	857	955	1599	1620
Filter: Standard Height	20x20x1(4)	20x20x1(4)	20x20x1(4)	20x25x1(6)	20x25x1(6)	20x25x1(6)	20x25x1(6)
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)	3/4	3/4	3/4	3/4	3/4	3/4	3/4
Blower wheel size (In)	13 x 13	13 x 13	13 x 13	15 x 15	15 x 15	13 x 13	13 x 13