



Trane[®] Axiom[™] High Efficiency, Water Source Heat Pumps

Imagine a full range of comfort utilizing efficiency, sound attenuation, integrated controls, and superior maintenance accessibility. The EXHV and DXHV models are Trane water source comfort solutions.

Model DXH (pictured below) is a two stage compressor ceiling hung product that provides a sleek, innovative shape, along with convertibility of the supply-air and the return-air arrangement; serviceability to maintenance components; indoor air quality standards; sound attenuation; and best of all, higher efficiencies with certified ARI-ISO13256-1 performance and ASHRAE 90.1-2013 standards.



Trane's new design incorporates system advantages such as:

- Return-air and supply-air flexibility
- Dual-sloped, plastic drain pan
- ECM motor
- Insulated enclosure for quiet unit design
- Integrated controls
- Orifice ring motor mounting device as standard for ease of motor service
- High and low pressure safeties as standard
- Internal air-to-refrigerant coil (horizontal design)
- 24V condensate overflow switch
- TXV
- 2 stage compressor

AHRI - ISO Ratings

Horizontal, Model EXH

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
006	1.8	215	7,600	15.0	8,800	4.9	8,800	23.4	7,600	4.4	8,000	17.4	5,700	3.4
009	2.1	285	9,000	14.9	11,100	5.4	10,000	21.9	9,100	4.7	9,400	16.9	7,000	3.8
012	2.8	380	11,900	15.5	14,600	5.2	14,000	26.6	11,900	4.5	12,700	18.8	9,000	3.6
015	3.5	475	15,100	15.3	18,300	4.8	17,500	25.0	15,200	4.2	15,900	17.9	11,300	3.4
018	4.2	570	19,300	16.7	23,300	5.1	20,600	25.0	19,100	4.5	19,800	18.7	14,200	3.6
024	5.6	760	23,800	16.0	27,700	4.8	25,900	23.8	24,100	4.5	24,700	18.0	18,800	3.6
030	7.0	950	30,500	16.8	36,200	5.4	33,700	24.3	29,600	4.6	31,600	18.7	22,700	3.7
036	8.4	1140	35,200	17.0	44,400	5.4	39,700	25.8	36,500	4.8	36,700	19.1	28,200	3.8
042	9.8	1330	42,500	16.8	52,400	5.3	45,800	23.3	43,100	4.7	43,700	18.5	34,200	3.9
048	11.2	1520	47,800	16.1	60,000	5.3	52,000	22.8	48,800	4.7	49,100	17.7	38,000	3.9
060	14.0	1700	58,600	15.0	77,800	4.9	64,700	22.0	64,100	4.4	61,400	17.1	50,400	3.8
070	15.4	2090	66,600	15.5	82,100	4.5	70,900	21.1	68,900	4.1	68,500	16.9	52,600	3.3

AHRI - ISO Ratings

Vertical, Model EXV

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
006	1.8	215	7,700	15.7	9,200	5.3	9,000	24.2	7,900	4.7	8,300	18.3	6,200	3.8
009	2.1	285	9,000	14.9	11,100	5.5	10,200	22.7	9,300	4.8	9,500	17.3	7,200	3.9
012	2.8	380	12,400	16.3	15,100	5.4	14,200	26.9	12,400	4.7	13,100	19.3	9,400	3.9
015	3.5	475	15,300	15.6	18,900	5.0	17,500	25.4	15,700	4.5	16,100	18.3	12,000	3.7
018	4.2	570	19,000	16.4	23,700	5.4	20,600	24.4	19,300	4.7	19,700	18.4	14,400	3.7
024	5.6	760	24,600	16.7	29,000	5.2	26,700	25.2	24,800	4.7	25,500	18.9	19,200	3.8
030	7.0	950	30,100	17.4	35,900	5.7	33,000	25.1	29,000	4.8	31,100	19.3	22,500	3.9
036	8.4	1140	34,800	16.8	44,800	5.5	38,600	24.4	36,600	4.9	36,000	18.6	28,000	3.8
042	9.8	1330	42,200	16.7	51,100	5.2	45,400	23.4	42,300	4.6	43,400	18.5	33,400	3.9
048	11.2	1520	47,500	16.5	57,500	5.3	51,700	24.0	48,200	4.9	49,000	18.5	37,800	4.1
060	14.0	1900	59,700	15.5	79,800	5.1	64,900	22	64,600	4.5	62,400	17.4	50,400	3.9
070	15.4	2090	66,700	15.9	83,000	4.7	70,500	21.8	69,000	4.2	68,600	17.5	52,300	3.4

Horizontal, Model DXH

Size	Loading	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
024	Full	5.6	760	26,200	17.7	31,700	5.4	29,100	26.0	25,600	4.7	27,400	20.4	18,700	3.8
024	Part	5.6	608	19,600	19.4	23,800	5.9	22,200	32.2	18,900	4.9	21,500	27.7	16,000	4.2
036	Full	8.4	1140	37,400	16.3	47,500	5.1	41,800	24.1	39,500	4.7	39,100	18.7	29,200	3.8
036	Part	8.4	912	27,700	18.8	34,400	5.7	31,200	31.5	28,200	5.1	30,200	27.2	24,000	4.3
048	Full	11.2	1520	51,200	17.2	62,400	5.4	56,600	24.7	50,800	4.8	53,000	19.5	38,800	3.9
048	Part	11.2	1216	38,200	19.2	46,400	5.9	42,800	31.6	37,500	4.9	41,100	26.7	32,700	4.4
060	Full	14.0	1700	59,300	15.1	82,000	5.1	66,800	20.9	67,400	4.6	62,100	17.2	50,800	3.8
060	Part	14.0	1360	44,100	17.0	59,700	5.6	50,400	27.2	48,100	4.8	48,800	23.8	41,100	4.2
070	Full	15.4	2090	67,800	15.5	88,300	4.9	74,100	22.1	72,700	4.5	70,400	17.6	56,800	3.8
070	Part	15.4	1672	52,500	17.0	67,100	5.2	58,300	27.6	54,600	4.5	56,600	23.7	47,900	4.1

Vertical, Model DXV

Size	Loading	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
024	Full	5.6	760	25,700	17.7	31,300	5.3	28,000	25.8	25,400	4.9	26,400	20.2	19,300	4.0
024	Part	5.6	608	19,400	19.6	23,600	6.0	21,400	32.5	19,000	5.1	21,000	28.0	16,300	4.4
036	Full	8.4	1140	37,200	16.6	47,100	5.1	40,700	24.1	38,800	4.7	38,400	19.1	30,200	4.0
036	Part	8.4	912	27,100	18.9	34,100	5.8	30,100	30.8	27,700	5.0	29,300	26.3	24,200	4.4
048	Full	11.2	1520	49,500	17.1	61,100	5.5	54,200	24.8	50,400	4.9	51,100	19.4	39,300	4.1
048	Part	11.2	1216	36,500	18.6	45,500	6.1	41,000	31.0	37,000	5.1	39,800	26.5	32,200	4.5
060	Full	14.0	1900	59,800	16.1	79,000	5.3	65,700	22.7	65,400	4.8	62,100	18.2	51,100	4.0
060	Part	14.0	1520	43,000	17.2	56,100	5.7	48,700	28.4	45,500	4.8	47,200	24.3	39,100	4.3
070	Full	15.4	2090	68,300	15.6	90,300	4.9	74,600	22.5	75,000	4.5	70,700	17.8	58,500	3.9
070	Part	15.4	1672	52,100	16.9	69,600	5.3	58,400	27.8	56,700	4.6	56,800	23.9	49,700	4.2

Note: Rated in accordance with ISO Standard 13256-1 - 1 1998, Water-to-Air and Brine-to-Air Heat Pumps. Certified conditions are 80.6°F DB/66.2°F WB EAT in cooling and 68°F DB/59°F WB EAT in heating. Entering liquid temperature in cooling is 86°F for Water Loop, 77°F for Ground Loop (full load), 68°F for Ground Loop (part load), and 59°F for Ground Water. Entering liquid temperature in heating is 68°F for Water Loop, 32°F for Ground Loop (full load), 41°F for Ground Loop (part load), and 50°F for Ground Water.

AHRI - ISO Ratings

Unit size

Horizontal	006	009	012	015	018	024	030	036	042	048	060	070
Width (inch)	20.0	20.0	20.0	20.0	23.0	23.0	25.0	25.0	33.0	33.0	33.0	39.0
Length (inch)	40.0	40.0	40.0	40.0	46.0	46.0	50.0	50.0	58.0	58.0	58.0	58.0
Height (inch)	15.0	15.0	15.0	15.0	18.0	18.0	19.0	19.0	21.0	21.0	21.0	21.0
Vertical	006	009	012	015	018	024	030	036	042	048	060	070
Width (inch)	19.0	19.0	19.0	19.0	21.0	21.0	24.0	24.0	26.0	26.0	26.0	26.0
Length (inch)	22.0	22.0	22.0	22.0	22.0	22.0	26.0	26.0	30.0	30.0	30.0	30.0
Height (inch)	31.0	31.0	31.0	31.0	39.0	39.0	42.0	42.0	47.0	47.0	47.0	51.0

General Data

Horizontal	006	009	012	015	018	024	030	036	042	048	060	070
Compressor type	Rotary	Rotary	Rotary	Rotary	Rotary	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll
Approximate weight (lb)	165	165	173	173	264	269	299	313	431	424	444	484
Nominal Filter #1 Size	15x20	15x20	15x20	15x20	18x24	18x24	19x26	19x26	21x30	21x30	21x30	21x30
Water in/out size (FPT) (In)	1/2	1/2	1/2	1/2	3/4	3/4	3/4	3/4	1	1	1	1
Condensate size (NPTI) (In)	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
Blower wheel size (In)	9x4	9x4	9x6	9x6	10x6	10x6	11x8	11x8	12x11	12x11	12x11	12x11

Vertical	006	009	012	015	018	024	030	036	042	048	060	070
Compressor type	Rotary	Rotary	Rotary	Rotary	Rotary	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll
Approximate weight (lb)	165	165	173	173	264	269	299	313	381	374	394	434
Nominal Filter #1 Size	16x20	16x20	16x20	16x20	20x20	20x20	20x25	20x25	24x30	24x30	24x30	28x30
Water in/out size (FPT) (In)	1/2	1/2	1/2	1/2	3/4	3/4	3/4	3/4	1	1	1	1
Condensate size (NPTI) (In)	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
Blower wheel size (In)	9x4	9x4	9x6	9x6	10x6	10x6	11x8	11x8	12x11	12x11	12x11	12x11



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