

Brand	Company	Model	Type of Heater	Fuel Type	Unit Size (in tons)	MBTUH	COP	HSPF		SEER	AFUE (%)	Motor Technology	Motor Speed	Gas Valve Stages	Compressor Technology	Compressor Stages
Aaon	Aaon	V3 Series	Air handler, furnace	Gas	MDNS ¹	45-160	MDNS ¹	MDNS ¹		MDNS ¹	96	ECM	Variable	Two; Modulating; Four (optional)	MDNS ¹	MDNS ¹
Arcoaire	International Comfort Products	NXH6 Performance Series	Split-system HP	Electric	3-5	36-60	Up to 4.16	Up to 8.5		Up to 15.4	MDNS ¹	ECM	Fixed	MDNS ¹	Scroll	Single
Arcoaire	International Comfort Products	RGH090-150	Pkg. unit	Gas/electric	7.5-12.5	125-250	MDNS ¹	MDNS ¹		Up to 15.6	80-82	PSC	Fixed	Two	Scroll	Two
Bard	Bard Mfg. Co. Inc.	WGS Series	Wall-mount unit	Gas/electric	2-5	37-102.5	MDNS ¹	MDNS ¹		Up to 15.6 IPLV	82	ECM	Variable	Single	Scroll	Two
Bosch Thermotechnology	Bosch Thermotechnology	Buderus SSB255	Boiler	MDNS ¹	MDNS ¹	MDNS ¹	MDNS ¹	MDNS ¹		MDNS ¹	MDNS ¹	MDNS ¹	MDNS ¹	MDNS ¹	MDNS ¹	MDNS ¹
Bosch Thermotechnology	Bosch Thermotechnology	Climate 6000 AH	Air handler	MDNS ¹	MDNS ¹	MDNS ¹	MDNS ¹	MDNS ¹		MDNS ¹	MDNS ¹	MDNS ¹	MDNS ¹	MDNS ¹	MDNS ¹	MDNS ¹
Bryant	Bryant	Preferred Series, 549J	Single pkg. rooftop	Electric	3-20	34-220	Up to 3.5	Up to 8.2		Up to 15.6	MDNS ¹	PSC; ECM	Two	MDNS ¹	Scroll	Single; Two
Bryant	Bryant	Preferred Series, 581J	Single pkg. rooftop	Gas	3-25	50-400	MDNS ¹	MDNS ¹		Up to 15.6	81	PSC; ECM	Two	Two	Scroll	Single; Two
Cambridge Engineering	Cambridge Engineering	S-Series	Blow-thru heater	Gas	MDNS ¹	3,400	MDNS ¹	MDNS ¹		MDNS ¹	MDNS ¹	MDNS ¹	MDNS ¹	MDNS ¹	MDNS ¹	MDNS ¹
Carrier	Carrier Corp.	Gemini Series, 38AUQ	Split-system HP	Electric	6-20	66-214	Up to 3.5	MDNS ¹		Up to 13.8 IEER	MDNS ¹	PSC	Two	MDNS ¹	Scroll	Single; Two
Carrier	Carrier Corp.	WeatherExpert Series, 48/50LC	Single pkg. rooftop	Gas/electric	6-23	72-400	MDNS ¹	MDNS ¹		Up to 17.5	MDNS ¹	PSC; ECM	Fixed; Two	Single; Two	Scroll	Single; Two
Champion	Champion	Direct Replacement XQE04-06, XXEA7-12	Pkg. HP	Electric	3-10	34-108.5 at 47°F; 18.4-62 at 17°F	Up to 3.6	Up to 8		MDNS ¹	MDNS ¹	PSC; ECM	Fixed; Variable (optional)	MDNS ¹	MDNS ¹	MDNS ¹
Cleaver-Brooks	Cleaver-Brooks	ClearFire-CE	Boiler	Gas	MDNS ¹	500-2,000	MDNS ¹	MDNS ¹		MDNS ¹	MDNS ¹	ECM	Variable	Modulating	MDNS ¹	MDNS ¹
Coleman	Coleman	Peak XQE04-06, XXEA7-12	Pkg. HP	Electric	3-10	34-108.5 at 47°F; 18.4-62 at 17°F	Up to 3.6	Up to 8		MDNS ¹	MDNS ¹	PSC; ECM	Fixed; Variable (optional)	MDNS ¹	Scroll	Single; Two
Comfort-Aire/Century	MARS/Heat Controller	HBV/HBH	Water-source HP	Electric	1-5	12-60	4.3-5	MDNS ¹		MDNS ¹	MDNS ¹	PSC; ECM	Fixed; Variable	MDNS ¹	Scroll	Single
Comfortmaker	International Comfort Products	PGR5	Pkg. unit	Gas/electric	2-5	40-127	MDNS ¹	MDNS ¹		Up to 16	Up to 81	ECM	Fixed	Two	Scroll	Two
Comfortmaker	International Comfort Products	RHH036-072	Pkg. rooftop HP	Electric	3-6	36.4-72	Up to 3.5	Up to 8.2		Up to 15.8	MDNS ¹	PSC	Fixed	MDNS ¹	Scroll	Single
Daikin Applied	Daikin Applied	OptiLine	Hydronic heating coil ²	Electric	300-1,200 CFM	MDNS ¹	MDNS ¹	MDNS ¹		MDNS ¹	MDNS ¹	ECM	Variable	MDNS ¹	MDNS ¹	MDNS ¹
Daikin Commercial Unitary	Daikin North America LLC	DCG	Rooftop units	Gas/electric	15-25	180-400	MDNS ¹	MDNS ¹		MDNS ¹	80	MDNS ¹	Two (supply fan motor)	Two	Scroll	Single
Daikin Commercial Unitary	Daikin North America LLC	DTH/DTG	Rooftop units	Gas/electric	3-5	46-138	MDNS ¹	8		MDNS ¹	80-81	EEM	Fixed	Two	Scroll	Single
Daikin VRV	Daikin North America LLC	AURORA	Heat pump	Electric	6-20	81-270	Up to 4.7	Up to 26.7 SCHE		Up to 24.8 IEER	MDNS ¹	DC	Variable	MDNS ¹	Inverter	Variable-speed inverter
Daikin VRV	Daikin North America LLC	T-Series	Water-cooled VRV	Electric	8-12 (single); up to 36 (three units)	81-486	Up to 6.27	Up to 26.3 SCHE		Up to 26.3 IEER	MDNS ¹	DC	Variable	MDNS ¹	Inverter	Variable-speed inverter
Day & Night	International Comfort Products	NXH6 Performance Series	Split-system HP	Electric	3-5	36-60	Up to 4.16	Up to 8.5		Up to 15.4	MDNS ¹	ECM	Fixed	MDNS ¹	Scroll	Single
Day & Night	International Comfort Products	RGS089-120	Pkg. rooftop	Gas/electric	7.5-10	125-250	MDNS ¹	MDNS ¹		MDNS ¹	80-82	PSC	Fixed	Two	Scroll	Two
Electro Industries	Electro Industries	EB-NB	Boiler	Electric	MDNS ¹	Up to 1	1	MDNS ¹		MDNS ¹	MDNS ¹	MDNS ¹	MDNS ¹	MDNS ¹	MDNS ¹	MDNS ¹
Electro Industries	Electro Industries	Make Up Air II	Pkg. make up air unit	Electric	Up to 3	Up to 75	1	MDNS ¹		MDNS ¹	MDNS ¹	PSC	Variable	MDNS ¹	MDNS ¹	MDNS ¹
Eubank	Airxcel Commercial/Industrial Group	WalPac H/P EH and EHS Series	Heat pump	Electric	24-60	9,775-57,375	3-3.25	MDNS ¹		MDNS ¹	MDNS ¹	ECM	Variable	MDNS ¹	Scroll	Single; Two
Friedrich Air Conditioning	Friedrich Air Conditioning	FreshAire PVH09K3FA	Variable refrigerant pkg. HP	Electric	.75	8.2-8.5	3.51	MDNS ¹		MDNS ¹	MDNS ¹	PSC	Variable	MDNS ¹	Inverter	Two; Modulating
Friedrich Air Conditioning	Friedrich Air Conditioning	VRP36	Variable refrigerant pkg. HP	Electric	3	28	MDNS ¹	8.6		15.5	MDNS ¹	BDLC	Variable	MDNS ¹	Inverter	Modulating
Fujitsu General America Inc.	Fujitsu General America Inc.	J-II Series	Heat pump	Electric	3-5	Up to 66	Up to 3.88	Up to 11.4		Up to 19.8	MDNS ¹	MDNS ¹	Variable	MDNS ¹	Rotary; Inverter	Two
Fulton Heating Solutions	Fulton Heating Solutions	Endura EDR+6000	Boiler	Gas	MDNS ¹	6,000	MDNS ¹	MDNS ¹		MDNS ¹	95.9	MDNS ¹	Variable	Modulating	MDNS ¹	MDNS ¹
GeoComfort Geothermal Systems	Enertech Global LLC	GZS 006-072, GZT 024-072	Ground-source HP	Electric	.5-6	5.2-57.9	4.3	MDNS ¹		MDNS ¹	MDNS ¹	ECM	Variable	MDNS ¹	Scroll	Single; Two
Gree	Tradewinds Climate Systems	U MATCH, UMAT24H-P230V1AO	Heat pump	Electric	2	24	3.4	10		18	MDNS ¹	MDNS ¹	Variable	MDNS ¹	Inverter	MDNS ¹
Heil	International Comfort Products	RGS210-336	Pkg. rooftop	Gas/electric	17.5-27.5	220-400	MDNS ¹	MDNS ¹		MDNS ¹	81	PSC	Fixed	Two	Scroll	Two
Heil	International Comfort Products	RHH090-120	Pkg. rooftop HP	Electric	7.5-10	84-116	Up to 3.5	MDNS ¹		Up to 15.8	MDNS ¹	PSC	Fixed	MDNS ¹	Scroll	Two
ICP Commercial	International Comfort Products	RGS089-120	Pkg. rooftop	Gas/electric	7.5-10	125-250	MDNS ¹	MDNS ¹		MDNS ¹	80-82	PSC	Fixed	Two	Scroll	Two
ICP Commercial	International Comfort Products	RGX036-060	Pkg. unit	Gas/electric	3-5	60-117	MDNS ¹	MDNS ¹		Up to 14.1	Up to 82	PSC	Fixed	Two	Scroll	Two
Johnson Controls	Johnson Controls Inc.	Direct Replacement XQE04-06, XXEA7-12	Heat pump	Electric	3-10	34-108.5 at 47°F; 18.4-62 at 17°F	Up to 3.6	Up to 8		MDNS ¹	MDNS ¹	PSC; ECM	Fixed; Variable (optional)	MDNS ¹	Scroll	Single; Two
Laars	Laars Heating Systems Co.	Pennant	Boiler/water heater	Gas	MDNS ¹	500-2,000	MDNS ¹	MDNS ¹		MDNS ¹	85	MDNS ¹	MDNS ¹	Four	MDNS ¹	MDNS ¹
Lennox Commercial	Lennox Commercial	Elite Series	Split-system HP, A/C	Electric	6-20	88-114	3.3	MDNS ¹		MDNS ¹	MDNS ¹	PSC	Variable	MDNS ¹	Scroll	Two
LG Electronics Air Conditioning Technologies	LG Electronics Air Conditioning Technologies	Multi V 5, ARUM241B-TE5	Heat recovery HP (outdoor)	MDNS ¹	20	230	2.45-3.57 ³	MDNS ¹		MDNS ¹	MDNS ¹	BLDC	Variable	MDNS ¹	Scroll; Inverter	Modulating
LG Electronics Air Conditioning Technologies	LG Electronics Air Conditioning Technologies	Multi V S	Heat recovery unit	MDNS ¹	5	60	MDNS ¹	10.9		18.9	MDNS ¹	BLDC	Variable	MDNS ¹	Scroll; Inverter	Single
Lochinvar	Lochinvar	CREST	Boiler	Gas	MDNS ¹	2,500-6,000	MDNS ¹	MDNS ¹		MDNS ¹	96	ECM	Variable	Modulating	MDNS ¹	MDNS ¹
Luxaire	Luxaire	Eclipse XQE04-06, XXEA7-12	Pkg. HP	Electric	3-10	34-108.5 at 47°F; 18.4-62 at 17°F	Up to 3.6	Up to 8		MDNS ¹	MDNS ¹	PSC; ECM	Fixed; Variable (optional)	MDNS ¹	Scroll	Single; Two
Mitsubishi Electric Trane HVAC US	Mitsubishi Electric Trane HVAC US LLC	PLFY-NFMU	Ceiling cassette (indoor)	Electric	.4-1.5	5-18	MDNS ¹	MDNS ¹		MDNS ¹	MDNS ¹	ECM	Variable	MDNS ¹	MDNS ¹	MDNS ¹
Modine	Modine	Effinity, PTC/BTC	Unit heater	Gas	MDNS ¹	55-310	MDNS ¹	MDNS ¹		MDNS ¹	MDNS ¹	PSC	Fixed, depending on model	Single	MDNS ¹	MDNS ¹
Reznor	Nortek Global HVAC	ZQYRA	Demand ventilator	MDNS ¹	3-3.5	35-43	5.2 at 0°F	MDNS ¹		MDNS ¹	MDNS ¹	ECM	Variable	MDNS ¹	Scroll	Modulating
Rheem	Rheem Mfg. Co.	Renaissance, RGEDZ-T090AC****A	Pkg. gas/electric units	MDNS ¹	10	88	MDNS ¹	MDNS ¹		11 EER/ 14.6 IEER	81 steady state	PSC	Fixed	Single	Scroll	Two
Tempstar	International Comfort Products	PHR5	Pkg. HP	Electric	2-5	24-60	Up to 3.7	Up to 8.5		Up to 15.5	MDNS ¹	ECM	Fixed	MDNS ¹	Scroll	Two
Tempstar	International Comfort Products	RGS089-120	Pkg. rooftop	Gas/electric	7.5-10	125-250	MDNS ¹	MDNS ¹		MDNS ¹	80-82	PSC	Fixed	Two	Scroll	Two
Thermal Solutions	Thermal Solutions	AMP	Boiler	Gas	MDNS ¹	1,000-4,000	MDNS ¹	MDNS ¹		MDNS ¹	97	MDNS ¹	MDNS ¹	Single	MDNS ¹	MDNS ¹
The Whalen Co.	The Whalen Co.	Closetline	Pkg. water-source HP	Electric	.5-5	7.5-72	4.4-5.6	MDNS ¹		MDNS ¹	MDNS ¹	PSC; ECM	Fixed	MDNS ¹	Scroll	Single
The Whalen Co.	The Whalen Co.	Whisperpack	Water-source HP	Electric	.5-3	8-31.1	MDNS ¹	MDNS ¹		MDNS ¹	MDNS ¹	ECM	Variable	Single	Scroll; Reciprocating	Single
York	York	Direct Fit XQE04-06, XXEA7-12	Pkg.	Electric	3-10	34-108.5 at 47°F; 18.4-62 at 17°F	Up to 3.6	MDNS ¹		MDNS ¹	Up to 8	PSC; ECM	Fixed; Variable (optional)	MDNS ¹	Scroll	Single; Two

¹ Manufacturer did not specify

² Hydronic heating coil and/or auxiliary electric heat (0.75-8 kW)

³ Tested under AHRI Standard 1230: COP at 47°F: 3.57 (non-ducted), 100 percent nominal heating capacity at 17°F COP: 2.45 (non-ducted)