

the NEWS

2009 commercial cooling products

BRAND	COMPANY	MODEL	TYPE	UNIT SIZE (IN TONS)	COOLING CAPACITY (MBTUH)	SINGLE/MULTI-STAGE	VARIABLE SPEED	COP	HSPF	SEER	EER	TYPE OF COMPRESSOR	REFRIGERANT	PRODUCT AVAILABILITY
AAON	AAON	LC Series	Air-cooled cond. chiller	5-54	60-648	Modulating	Yes	MDNS ¹	MDNS ¹	MDNS ¹	MDNS ¹	Scroll	R-410A	Built to order
AAON	AAON	SA Series	Self-contained unit	23-70	276-840	Modulating	Yes	MDNS ¹	MDNS ¹	MDNS ¹	MDNS ¹	Scroll	R-410A	Built to order
Arcoaire	ICP	CHE120	Split system HP	10	105	Single	No	2.2-3.2	MDNS ¹	MDNS ¹	10.1	Scroll	R-22	Stocked
Arcoaire	ICP	RGS101	Pkg. rooftop	8.5	97	Single	No	MDNS ¹	MDNS ¹	MDNS ¹	11	Scroll	R-410A	Stocked
Bard	Bard	QuietClimate 2, CH Series	Wall-mount pkg. HP	3-5	34-52.5	Two	Yes	3.2	MDNS ¹	MDNS ¹	Up to 14.5 IPLV	Scroll	R-410A	Contact distrib.
Bard	Bard	W**A	Wall-mount pkg. A/C	1.5-5	16.4-55	Single	MDNS ¹	MDNS ¹	MDNS ¹	MDNS ¹	Up to 9.2	Scroll	R-410A	Contact distrib.
Bryant	Bryant	Legacy	Rooftop	3-10	36-120	Single	No	MDNS ¹	MDNS ¹	13	11.2	Scroll	R-410A	Built to order
Carrier	Carrier	WeatherMaker 48/50 TC	Pkg. rooftop	MDNS ¹	MDNS ¹	MDNS ¹	MDNS ¹	MDNS ¹	MDNS ¹	MDNS ¹	MDNS ¹	MDNS ¹	MDNS ¹	MDNS ¹
Century	Heat Controller	PCG	Pkg. rooftop A/C	6-12.5	73-148	Varies ²	Yes	MDNS ¹	MDNS ¹	MDNS ¹	11 to 11.5	Scroll	R-410A	Stocked
Century	Heat Controller	RSG Commercial	Split system condenser	6.5-20	78-238	Varies ³	No	MDNS ¹	MDNS ¹	MDNS ¹	9.2 to 9.5	Scroll	R-410A	Stocked
ClimateMaster	ClimateMaster	Tranquility TMW	Pkg. water-to-water HP	3-28	34-253.5	Varies ⁴	MDNS ¹	4.4-5 ¹⁷	MDNS ¹	MDNS ¹	13.6-14.6 ¹⁸	Scroll	R-410A	Available
Coleman	Johnson Controls	YH07-20, YJ07-20 ¹⁹	Split system	7.5-20	90-240	Multi	MDNS ¹	3.3-3.4	MDNS ¹	MDNS ¹	11.2-11.9	Scroll	R-410A	Available
Comfort-Aire	Heat Controller	AHCG	Air handler	7.5-20	90-240	MDNS ¹	No	MDNS ¹	MDNS ¹	MDNS ¹	MDNS ¹	MDNS ¹	R-410A	Stocked
Comfort-Aire	Heat Controller	RSE Three Phase	A/C condenser	3-5	36-56	Single	No	MDNS ¹	MDNS ¹	13-14	MDNS ¹	Scroll	R-22	Stocked
Comfortmaker	ICP	PGH180	Pkg. gas/elec rooftop	15	176	Two	No	MDNS ¹	MDNS ¹	MDNS ¹	10.5	Scroll	R-22	Stocked
Comfortmaker	ICP	RAS072	Pkg. rooftop A/C	6	70	Single	No	MDNS ¹	MDNS ¹	MDNS ¹	11.2	Scroll	R-410A	Stocked
Daikin AC	Daikin AC	VRV-S (RXYMQ36MVJU)	Heat pump	3	40	MDNS ¹	Yes	2.9	8.15	14.3	11.2	Inverter	R-410A	Stocked
Daikin AC	Daikin AC	VRV-WII - REWYQ	Geothermal	Up to 21	Up to 252	MDNS ¹	Yes	Waiver	Waiver	Waiver	Waiver	Inverter scroll	R-410A	Stocked
Day & Night	ICP	PHH072	Pkg. HP	6	71	Single	No	2.2-3.4	MDNS ¹	MDNS ¹	10.5	Scroll	R-22	Stocked
Day & Night	ICP	RGS121	Pkg. gas/elec rooftop	10	117	Single	No	MDNS ¹	MDNS ¹	MDNS ¹	11	Scroll	R-410A	Stocked
Friedrich	Friedrich	M12YG	Ductless HP	1	11	Single	Yes	MDNS ¹	10	20	12.1	Inverter	R-410A	Stocked
Heil	ICP	PAH120	Pkg. rooftop A/C	10	120	Two	No	MDNS ¹	MDNS ¹	MDNS ¹	11	Scroll	R-22	Stocked
Heil	ICP	RGS072	Pkg. gas/elec rooftop	6	70	Single	No	MDNS ¹	MDNS ¹	MDNS ¹	11	Scroll	R-410A	Stocked
ICP Commercial	ICP	PHH120	Pkg. rooftop HP	10	116	Two	No	2.2-3.3	MDNS ¹	MDNS ¹	10.3	Scroll	R-22	Stocked
ICP Commercial	ICP	RGS060	Pkg. gas/elec rooftop	5	59	Single	No	MDNS ¹	MDNS ¹	13	10.8	Scroll	R-410A	Stocked
Johnson Controls	Johnson Controls	DSH, DSV	Indoor pkg. unit	2-5	24-60	Single	No	MDNS ¹	MDNS ¹	13	MDNS ¹	Scroll	R-410A	MDNS ¹
Johnson Controls	Johnson Controls	L-Series	Indoor pkg. unit	60-110	720-1320	Multiple ⁵	Available ⁶	MDNS ¹	MDNS ¹	MDNS ¹	12.6-15	Scroll	R-410A	Built to order
Lennox	Lennox	T-Class TSA, TPA, TAA	Split system ⁷	6-20	71-232	Varies ⁸	No	3.3 at 47°F	MDNS ¹	MDNS ¹	Up to 11.2	Scroll	R-410A	Stocked
LG Electronics	LG Electronics	Multi V Plus II Series	Heat pump	6.5-16	72-192	Variable	Variable	See note ⁹	See note ⁹	See note ⁹	See note ⁹	Inverter scroll	R-410A	Just in time
LG Electronics	LG Electronics	Multi V Sync II Series	Heat pump	6.5-16	72-192	Variable	Variable	See note ⁹	See note ⁹	See note ⁹	See note ⁹	Inverter scroll	R-410A	Just in time
Liebert	Emerson Network Power	CW Cooling System	Precision cooling	10-52	120-624	Single	Yes	MDNS ¹	MDNS ¹	MDNS ¹	MDNS ¹	MDNS ¹	MDNS ¹	Built to order
Luxaire	Johnson Controls	YH07-20, YJ07-20 ²⁰	Split system	7.5-20	90-240	Multi	MDNS ¹	3.3-3.4	MDNS ¹	MDNS ¹	11.2-11.9	Scroll	R-410A	Available
Mammoth	Nordyne	P6SP	Pkg. A/C	6	73.3	Single	Belt drive	MDNS ¹	MDNS ¹	MDNS ¹	11.2	Scroll	R-410A	Stocked
Mammoth	Nordyne	R6GP	Pkg. gas/elec unit	7.5, 10	93.5-125	Multi	Belt drive	MDNS ¹	MDNS ¹	MDNS ¹	11.2	Scroll	R-410A	Stocked
McQuay	McQuay	Enfinity MHC, MHW	Water-source HP	0.75-1.5	9-18	Single	Hi/lo fan	3.9-4.4 ¹⁰	MDNS ¹	MDNS ¹	13.4-15.1 ¹¹	Rotary	R-410A	BTO, stocked ²¹
McQuay	McQuay	Enfinity VFC, VFW	Water-source HP	0.75-6	9-70	Single	No	Up to 5.4	MDNS ¹	MDNS ¹	Up to 17 ¹²	Rotary, scroll	R-410A	BTO, stocked ²¹
Mitsubishi Electric	Mitsubishi Electric	City Multi, PQRY-P96TGMU-A	Water source heat recvy.	8	96	Multi	Yes	4.3	MDNS ¹	MDNS ¹	12.9 at 68°F	Inverter	R-410A	Stocked
Mitsubishi Electric	Mitsubishi Electric	City Multi PUHY-P72	Heat pump	6	72	Multi	Yes	3.7	See note ¹⁶	See note ¹⁶	12.4	Inverter	R-410A	Stocked
Reznor/Thomas & Betts	Reznor/Thomas & Betts	MAPS III	Rooftop OA vent. unit	10-70	190-842	3-8	Yes	11.3	MDNS ¹	MDNS ¹	Varies	Scroll	R-410A	Built to order
Rheem	Rheem	RKNL-B	Pkg. gas/elec	6-25	73-294	Multi	No	MDNS ¹	MDNS ¹	MDNS ¹	Up to 11.5	Scroll	R-410A	Stocked
Robur	Robur	RTAR	Modular HP	10-25	120-300	Multi	Yes	0.60	MDNS ¹	MDNS ¹	MDNS ¹	MDNS ¹	R-717	Just in time
Tempstar	ICP	PAH072	Pkg. rooftop A/C	6	74	Single	No	MDNS ¹	MDNS ¹	MDNS ¹	11	Scroll	R-22	Stocked
Tempstar	ICP	RAS121	Pkg. rooftop A/C	10	117	Single	No	MDNS ¹	MDNS ¹	MDNS ¹	11.2	Scroll	R-410A	Stocked
Trane	Trane	Precedent, T/YHC036-060E	Rooftop	3-5	36-60	Single	No	MDNS ¹	MDNS ¹	15	13	Scroll	R-410A	Stocked, JIT
Trane	Trane	Voyager ¹³	Pkg. rooftop ¹⁴	12-25	MDNS ¹	Three ¹⁵	Adjustable ²²	MDNS ¹	MDNS ¹	MDNS ¹	Up to 12	Scroll	R-410A	Stocked, JIT
United CoolAir	United CoolAir	Aurora	Self-contained A/C	3-15	MDNS ¹	Both	No	MDNS ¹	MDNS ¹	MDNS ¹	9.2-12.7	Scroll	R-410A	Built to order
WaterFurnace	WaterFurnace	Envision™ Series ²³	HP	0.75-1.5	8.5-19	Single, two	No	3.4-4.9	MDNS ¹	MDNS ¹	13.6-15.9	Rotary	R-410A	Six weeks
York	Johnson Controls	Predator YC090-240 ²⁴	Split system	7.5-20	90-240	Single or multi	MDNS ¹	3.3-3.4	MDNS ¹	MDNS ¹	11.2-11.9	Scroll	R-410A	Available

¹ Manufacturer did not specify

² 6 and 7 ton units are single stage; 7.5 to 12.5 ton units are multi-stage

³ 6.5 to 7.5 ton are single stage; 10 to 20 ton are multi-stage

⁴ 3- and 5-ton are single stage, 10-ton and above are multi-stage

⁵ Multiple compressors in independent circuits with four to six stages of cooling

⁶ Available on supply fan for variable air volume applications

⁷ Condensing units, heat pumps, and air handlers

⁸ 6 to 10 ton are single stage; 10 to 20 ton are multi-stage

⁹ Multi V Mini series are covered by an interim waiver from the Department of Energy (DOE) test procedures for residential and commercial air conditioners and heat pumps. Because the DOE test procedure cannot be applied to these variable refrigerant flow zoning products, COP, HSPF, SEER and EER values are not available for these systems.

¹⁰ Water loop. Up to 7.2 geothermal

¹¹ Water loop. Up to 24.6 geothermal

¹² Water loop. Up to 26.1 geothermal

¹³ High Efficiency Voyager, dedicated gas/electric YC*151E,

181E, 211E, 241E, 301E, and cooling packaged products

TC*151E, 181E, 211E, 241E, 301E

¹⁴ Dedicated packaged rooftop – gas/electric or cooling models

¹⁵ Three-stage cooling available when applied with zone sensor

¹⁶ The City Multi S-Series, Y-Series and R2-Series are covered by an interim waiver from the Department of Energy (DOE) test procedures for residential and commercial air conditioners and heat pumps. Because the DOE test procedure cannot be applied to these variable refrigerant flow zoning products, HSPF and SEER values are not available for these systems.

¹⁷ 4.4-5 at WSHP conditions

¹⁸ 13.6-14.6 at WSHP conditions

¹⁹ YH07-20, YJ07-20; PH07-10, PJ15-20; NH07-20, NJ10-20

²⁰ YH07-20, YJ07-20; PH07-10, PJ15-20; NH07-20, NJ10-20

²¹ Built to order, stocked

²² Adjustable belt drive

²³ Envision™ Series, NCC 09-18, NCW 09-18, NCS 09-18, NCE 09-18

²⁴ Predator YC090-240, YD120-240; PC090-240, PD180-240; NC090-240, ND120-240