

Brand	Company	Model	Type	Unit Size (in ton)	Cooling Capacity (MBtuh)	Motor Technology	Motor Speed	Compressor Technology	Stages	COP	HSPF	SEER	EER	Refrigerant	Product Availability	Economizers	Noise Level (in dBA)
Aaon	Aaon	RN Series	Rooftop A/C, HP	9-14	108-168	ECM; VFD	Variable	Scroll	Five	MDNS ¹	MDNS ¹	Up to 20.2 IEER	Up to 13.7	MDNS ¹	Built-to-Order	Yes	MDNS ¹
Aaon	Aaon	RQ Series	Rooftop unit	2-6	24-72	ECM; VFD	Variable	Scroll	Modulating	MDNS ¹	MDNS ¹	Up to 20.7	Up to 14.2	MDNS ¹	Built-to-Order	Yes	MDNS ¹
Airstage	Fujitsu General America Inc.	460V	VRF system	6-10	72-120	MDNS ¹	Variable	Rotary; Inverter	MDNS ¹	3.9-4.4	MDNS ¹	MDNS ¹	12.2-13.41	MDNS ¹	Stocked	Yes	50
Airstage	Fujitsu General America Inc.	J-II Series	Heat pump	3-5	Up to 60	MDNS ¹	Variable	Rotary; Inverter	MDNS ¹	Up to 3.88	Up to 11.4	Up to 19.8	Up to 13.3	MDNS ¹	Stocked	Yes	From 50-57
Allied Commercial	Allied Air Enterprises	T-Series	Split system A/C, HP	6-20	71- 232	PSC; Inverter-driven, 3-phase, AC motor	Variable	Scroll	Two	3.3	MDNS ¹	MDNS ¹	12.0	MDNS ¹	Contact distributor	Yes	As low as 81
Arcoaire	International Comfort Products	RAH 073	Pkg. rooftop A/C	6	72	PSC	Fixed	Scroll	Two	MDNS ¹	MDNS ¹	MDNS ¹	12.2	R-410A	Stocked; contact distributor	Yes	82
Arcoaire	International Comfort Products	RHH 036-072	Pkg. rooftop HP	3-6	36.4-72	PSC	Fixed	Scroll	Single	3.4	Up to 8.2	Up to 15.8	Up to 12.8	R-410A	Stocked; contact distributor	Yes	76-81
Bosch Thermotechnology	Bosch Thermotechnology Corp.	Climate 6000 AH	Air handler	Varies	MDNS ¹	MDNS ¹	MDNS ¹	MDNS ¹	MDNS ¹	MDNS ¹	MDNS ¹	MDNS ¹	MDNS ¹	MDNS ¹	Contact distributor	MDNS ¹	MDNS ¹
Bryant	Bryant	548J Legacy Series	Pkg. HP	3-12.5	36-142	ECM	Fixed	Scroll	One, two	Up to 3.4	Up to 7.7	Up to 13.4	Up to 11.2	R-410A	Stocked	Yes	Down to 77
Carrier	Carrier Corp.	AquaForce 30XV	Air-cooled screw chiller	140-500	1,680-6,000	MDNS ¹	Variable	MDNS ¹	Single	MDNS ¹	MDNS ¹	MDNS ¹	MDNS ¹	R-134a	Stocked	No	MDNS ¹
Carrier	Carrier Corp.	WeatherExpert 48/50LC	Pkg. rooftop unit	6-23	72-276	Variable speed, VFD	Variable	Scroll	Multi	MDNS ¹	MDNS ¹	MDNS ¹	Up to 21 IEER	R-410A	Just-in-time	Yes	Down to 82
Champion	Johnson Controls Inc.	Direct Replacement	Rooftop unit	3-12.5	36-150	Varies ²	Fixed, variable options	Scroll	Two	MDNS ¹	MDNS ¹	13-15.4	10.8-12.2/12.7-14.8 IEER	R-410A	Contact distributor	Yes	79
Champion	Johnson Controls Inc.	YH Series	Split system A/C	7.5-25	90-300	Belt drive, with VFD	Fixed, variable options	Scroll	Two	MDNS ¹	MDNS ¹	MDNS ¹	10.6-11.9/12.2-14 IEER	R-410A	Contact distributor	Yes	89
Coleman HVAC	Johnson Controls Inc.	Outfitter YH Series	Split system A/C	7.5-25	90-300	Belt drive, with VFD	Fixed, variable options	Scroll	Two	MDNS ¹	MDNS ¹	MDNS ¹	10.6-11.9/12.2-14 IEER	R-410A	Contact distributor	Yes	89
Coleman HVAC	Johnson Controls Inc.	Peak	Rooftop unit	3-12.5	36-150	Varies ²	Fixed, variable options	Scroll	Two	MDNS ¹	MDNS ¹	13-15.4	10.8-12.2/12.7-14.8 IEER	R-410A	Contact distributor	Yes	79
Comfortmaker	International Comfort Products	CHS 072-121	Split system HP	6-10	70-112	PSC	Fixed	Scroll	Single	MDNS ¹	MDNS ¹	MDNS ¹	Up to 11	R-410A	Stocked; contact distributor	Yes	82-84
Comfortmaker	International Comfort Products	RGH 181-303	Pkg. gas/elec. rooftop unit	15-25	174-282	PSC	Fixed	Scroll	Two	MDNS ¹	MDNS ¹	MDNS ¹	10.5-12	R-410A	Stocked; contact distributor	Yes	84.1-86.5
Daikin PreciseLine	Daikin Applied	BCHD	Blower coil	600-5,000 CFM	MDNS ¹	ECM; ODP plus VFD	Variable	MDNS ¹	MDNS ¹	MDNS ¹	MDNS ¹	MDNS ¹	MDNS ¹	MDNS ¹	Just-in-time	MDNS ¹	MDNS ¹
Daikin Unitary	Daikin North America LLC	DVS	Dedicated outside air system for VRV	MDNS ¹	MDNS ¹	ECM supply and exhaust fan motors	Variable	Inverter	Modulating	MDNS ¹	MDNS ¹	MDNS ¹	MDNS ¹	MDNS ¹	Contact distributor	Yes	MDNS ¹
Daikin VRV	Daikin North America LLC	AURORA	VRV HP and heat recovery	6-32	MDNS ¹	ECM	Variable	Inverter	Modulating	MDNS ¹	MDNS ¹	MDNS ¹	MDNS ¹	MDNS ¹	Contact distributor	Yes	MDNS ¹
Daikin VRV	Daikin North America LLC	VRV T-Series	Water-cooled HP or heat recovery	Single: 8-12 ³	MDNS ¹	ECM	Variable	Inverter	Modulating	MDNS ¹	MDNS ¹	MDNS ¹	MDNS ¹	MDNS ¹	Contact distributor	MDNS ¹	MDNS ¹
Day & Night	International Comfort Products	PHR5	Pkg. HP	2-5	23-57	ECM	Fixed	Scroll	Two	Up to 3.9	Up to 8.5	Up to 15.5	Up to 12.5	R-410A	Stocked; contact distributor	Yes	68-74
Day & Night	International Comfort Products	RGH 090-150	Pkg. gas/elec. rooftop unit	7.5-12.5	125-250	PSC	Fixed	Scroll	Two	MDNS ¹	MDNS ¹	MDNS ¹	Up to 12.2	R-410A	Stocked; contact distributor	Yes	82-87
Fraser-Johnston	Johnson Controls Inc.	ReliaCore YH-Series	Split system A/C	7.5-25	90-300	Belt drive with VFD	Fixed, variable options	Scroll	Two	MDNS ¹	MDNS ¹	MDNS ¹	10.6-11.9/12.2-14 IEER	R-410A	Contact distributor	Yes	89
Fraser-Johnston	Johnson Controls Inc.	ReliaCore	Rooftop unit	3-12.5	36-150	Varies ²	Fixed, variable options	Scroll	Two	MDNS ¹	MDNS ¹	13-15.4	10.8-12.2/12.7-14.8 IEER	R-410A	Contact distributor	Yes	79
Friedrich Air Conditioning	Friedrich Air Conditioning	FreshAire, PVH12K	Variable refrigerant PTAC with HP	1	7.9-17.1	MDNS ¹	MDNS ¹	Inverter	Modulating	3.57-3.58	MDNS ¹	MDNS ¹	11.4	R-410A	Stocked; contact distributor	No	MDNS ¹
GeoComfort Geothermal Systems	GeoComfort Geothermal Systems	GZS 018-072	Ground-source HP	1.5-6	20.5-72.1	PSC; ECM	Variable	Scroll	Single	3.5-4.1 ⁴	MDNS ¹	MDNS ¹	17.2-21.5 ⁴	R-410A	Stocked; just-in-time	MDNS ¹	MDNS ¹
Haier Ductless	Haier Ductless	FlexFit Pro, 1U48LP2VHA	Heat pump	2-4	24-48	ECM	Variable	Rotary	Modulating	MDNS ¹	10	17	10	R-410A	Stocked	No	47
Continued on page 10																	
¹ Manufacturer did not specify																	
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³ Manifold together up to three units for up to 36 tons.																	
⁴ Ground-loop heat pump (GLHP)																	
⁵ Fanless air-water heat exchanger module that installs as the rear door of an equipment rack																	
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Commercial HVAC Systems Comparison - Q3 2024																	
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Heil	International Comfort Products	CAS 091-151	Split system condensing unit	7.5-12.5	92-148	PSC	Fixed	Scroll	Single	MDNS ¹	MDNS ¹	MDNS ¹	Up to 11.2	R-410A	Stocked; contact distributor	Yes	83-85
Heil	International Comfort Products	RGH 181-303	Pkg. gas/elec. rooftop unit	15-25	174-282	PSC	Fixed	Scroll	Two	MDNS ¹	MDNS ¹	MDNS ¹	10.5-12	R-410A	Stocked; contact distributor	Yes	84.1-86.5
ICP Commercial	International Comfort Products	CHS 180-240	Split system HP	15-20	178-222	PSC	Fixed	Scroll	Two	MDNS ¹	MDNS ¹	MDNS ¹	Up to 10.7	R-410A	Stocked; contact distributor	Yes	80-85
ICP Commercial	International Comfort Products	RGH 073	Pkg. gas/elec. rooftop unit	6	72	PSC	Fixed	Scroll	Two	MDNS ¹	MDNS ¹	MDNS ¹	12	R-410A	Stocked; contact distributor	Yes	82
Johnson Controls Inc.	Johnson Controls Inc.	YORK YZ	Water-cooled centrifugal chiller	165-1,000	1,980-12,000	Induction	Variable	Centrifugal	Single	7.2 full load, 12.83 part load	MDNS ¹	MDNS ¹	MDNS ¹	R-1233zd	Shipped from factory	No	As low as 72
Lennox Commercial	Lennox Commercial	Elite Series	Split system A/C, HP	6-20	71-232	PSC; Inverter-driven, 3-phase, AC motor	Variable	Scroll	Two	3.3	MDNS ¹	MDNS ¹	12	MDNS ¹	Stocked	Yes	As low as 81
LG Electronics	LG Electronics USA	AR-DR11-05A	Dedicated outdoor air system rooftop	5-70	60-840	MDNS ¹	Variable	Scroll	Modulating	MDNS ¹	MDNS ¹	MDNS ¹	MDNS ¹	R-410A	Just-in-time	Yes	Varies
LG Electronics	LG Electronics USA	PRHR0X3	Heat recovery unit	MDNS ¹	MDNS ¹	MDNS ¹	MDNS ¹	MDNS ¹	MDNS ¹	MDNS ¹	MDNS ¹	MDNS ¹	MDNS ¹	R-410A	Stocked	MDNS ¹	30-38
Liebert	Vertiv	Liebert DCD	Water-cooled rack door ⁵	50 or 60 Hz; 50 kW	See note ⁶	MDNS ¹	MDNS ¹	MDNS ¹	MDNS ¹	MDNS ¹	MDNS ¹	MDNS ¹	MDNS ¹	Chilled water	Contact distributor	MDNS ¹	MDNS ¹
Luxaire	Johnson Controls Inc.	Eclipse	Rooftop unit	3-12.5	36-150	Varies ²	Fixed, variable options	Scroll	Two	MDNS ¹	MDNS ¹	13-15.4	10.8-12.2/12.7-14.8 IEER	R-410A	Contact distributor	Yes	79
Luxaire	Johnson Controls Inc.	Ovation YH Series	Split system A/C	7.5-25	90-300	Belt drive with VFD	Fixed, variable options	Scroll	Two	MDNS ¹	MDNS ¹	MDNS ¹	10.6-11.9/12.2-14 IEER	R-410A	Contact distributor	Yes	89
Magic-Pak	Allied Air Enterprises	M-Series MHP, MCE	Single pkg. vertical units	1-3	12-35	PSC	Fixed	Scroll	Single	Up to 3	MDNS ¹	MDNS ¹	9	MDNS ¹	Contact distributor	No	Up to 76
Mammoth Light Commercial	Nortek Global HVAC	Q7TQ	Pkg. HP	6-10	72-120	Three phase	Two	Scroll	Two	3.3	MDNS ¹	12.9 IEER	11	R-410A	Stocked	Yes	83
Mammoth Light Commercial	Nortek Global HVAC	R7TQ	Pkg. gas/elec. unit	6-12.5	72-150	Three phase	Two	Scroll	Two	MDNS ¹	MDNS ¹	12.7 IEER	11.2	R-410A	Stocked	Yes	83
Marvair	Marvair	ComPac AVHDA	Air conditioner	7.5	90	ECM ⁷	Fixed	Scroll	Two; dual compressors	MDNS ¹	MDNS ¹	MDNS ¹	10	R-410A	Contact distributor	Yes	MDNS ¹
Mitsubishi Electric Cooling & Heating	Mitsubishi Electric US Inc.'s Cooling & Heating Division	PLFY-P, PLFY-P05NF-MU-E	4-way ceiling cassette (indoor)	0.4-1.5	5-18	DC	Variable	MDNS ¹	Single	MDNS ¹	MDNS ¹	MDNS ¹	MDNS ¹	R-410A	Contact distributor	No	26-43
Panasonic	Panasonic	S-42PU2U6 (indoor), U-42PE1U6 (outdoor)	Heat pump	3.5	39	DC	Variable	Rotary; Inverter	Modulating	3.1	8.9	15.6	8.7	R-410A	Stocked	No	39
Reznor	Nortek Global HVAC	ZQYRA	Demand ventilator	3-3.5	34-43	ECM	Variable	Scroll	Modulating	5.2 (at 0°F ambient)	MDNS ¹	MDNS ¹	17-29	R-410A	Just-in-time	No	Less than 65 discharge
Rheem	Rheem Mfg. Co.	Prestige Series (Renaissance Line), RGEDZT090AC*****A	Pkg. gas/elec. rooftop unit	7.5	88	VFD-ready induction	Variable	Scroll	Two	MDNS ¹	MDNS ¹	MDNS ¹	11/14.6 IEER	MDNS ¹	Stocked	Yes	88
Ruud	Ruud	Achiever Plus Series (Renaissance Line), RGEDZT090AC*****A	Pkg. gas/elec. rooftop unit	7.5	88	VFD-ready induction	Variable	Scroll	Two	MDNS ¹	MDNS ¹	MDNS ¹	11/14.6 IEER	MDNS ¹	Stocked	Yes	88
Tempstar	International Comfort Products	PGR5	Pkg. gas/elec. rooftop unit	2-5	23-57	ECM	Fixed	Scroll	Two	MDNS ¹	MDNS ¹	Up to 16	Up to 12.5	R-410A	Stocked; contact distributor	Yes	72-77
Tempstar	International Comfort Products	RHH 036-072	Pkg. rooftop HP	3-6	36.4-72	PSC	Fixed	Scroll	Single	3.4	Up to 8.2	Up to 15.8	Up to 12.8	R-410A	Stocked; contact distributor	Yes	76-81
Trane	Trane	Agility	Water-cooled centrifugal chiller	175-425	MDNS ¹	Permanent magnet	Variable	MDNS ¹	Two	MDNS ¹	MDNS ¹	MDNS ¹	MDNS ¹	R-134a or R-513A	Stocked	Yes	80
Unico	Unico Inc.	iSeries	Heat pump inverter unit	1-3.5	MDNS ¹	MDNS ¹	Variable	Inverter	Modulating	MDNS ¹	MDNS ¹	MDNS ¹	MDNS ¹	R-410A	Stocked	Yes	40
The Whalen Co.	The Whalen Co.	Inteli-line	Fan coil	0.75-3	11.5-49	PSC, ECM	MDNS ¹	MDNS ¹	Single	MDNS ¹	MDNS ¹	MDNS ¹	MDNS ¹	MDNS ¹	Contact distributor	No	MDNS ¹
York	Johnson Controls Inc.	Direct Fit	Rooftop unit	3-12.5	36-150	Varies ²	Fixed, variable options	Scroll	Two	MDNS ¹	MDNS ¹	1315.4	10.8-12.2/12.7-14.8 IEER	R-410A	Contact distributor	Yes	79
York	Johnson Controls Inc.	Predator YC/YD 090-300	Split system A/C	7.5-25	90-300	Belt drive with VFD	Fixed, variable options	Scroll	Two	MDNS ¹	MDNS ¹	MDNS ¹	10.6-11.9/12.2-14 IEER	R-410A	Contact distributor	Yes	89
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