

Rooftop Units

SELECTION GUIDE

Use this guide to identify RT products that fit your project requirements. Contact your local Greenheck rep for pricing and orders: [greenheck.com/find-my-rep](https://www.greenheck.com/find-my-rep)

		RT-20	RT-40	RT-70	RT-120	
Airflow	Minimum ^a (cfm)	500	1,200	2,000	3,500	
	Maximum ^a (cfm)	2,000	5,000	7,900	13,000	
Cooling Type	Tons					
		3	6.5	10	17.5	
		4	7	12.5	20	
	Packaged direct expansion (DX)	5	8.5 (PDX only)	15	25	
		-	10	17.5	30	
		Compressor type and quantity				
			Inverter scroll (1)	Inverter scroll (1)	10-15 tons: Inverter scroll (1) 17.5 tons: Inverter scroll (1) & Fixed (1)	17.5 tons: Inverter scroll (1) 20-30 tons: Inverter scroll (1) & Fixed (1)
Air-source heat pump	N/A	Option	Option	Option		
Efficiency	SEER2	Up to 17.8	N/A	N/A	N/A	
	EER	N/A	Up to 12.3	Up to 12.4	Up to 11.9	
	IEER	N/A	Up to 21.8	Up to 21.7	Up to 23.1	
Cooling Components	Lead inverter scroll compressor	Standard	Standard	Standard	Standard	
	Modulating hot gas reheat	Option (Packaged DX)	Option (Packaged DX) Standard (ASHP)	Option (Packaged DX) Standard (ASHP)	Option (Packaged DX) Standard (ASHP)	
	All EC modulating condensing fans	Standard	Standard	Standard	Standard	
Indirect Gas Furnace	Minimum (MBh)	75 (50 future)	100	200	250	
	Maximum (MBh)	175	300	400	600	
	Turndown (NG or LP)	10:1	10:1	10:1	10:1	
Electric & Other Heat	Minimum ^b (kW)	-	25	30	60	
	Maximum ^b (kW)	-	60	90	80 (208/230V) 140 (460V)	
	No Heating	Option	Option	Option	Option	

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		RT-20	RT-40	RT-70	RT-120
Controls	Full controls	Standard	Standard	Standard	Standard
	Web User Interface	Standard	Standard	Standard	Standard
Construction	Injected foam insulation	1" Walls, 2" Roof and Base Double-Wall Panels	1" Walls, 2" Roof and Base Double-Wall Panels	1" Walls, 2" Roof and Base Double-Wall Panels	1" Walls, 2" Roof and Base Double-Wall Panels
	Exterior	Permatector™ prepainted, 2,500-hour salt spray rated	Permatector™ prepainted, 2,500-hour salt spray rated	Permatector™ prepainted, 2,500-hour salt spray rated	Permatector™ prepainted, 2,500-hour salt spray rated
	Interior	Galvanized	Galvanized	Galvanized	Galvanized
	Supply/return position	Bottom	Bottom	Bottom	Bottom
Filtration	2" MERV 8	Standard	Standard	Standard	Standard
	2" MERV 13	Option	Option	Option	Option
	2" MERV 8 + 2" MERV 13	Option	Option	Option	Option

Refer to Greenheck CAPS® selection software or the Greenheck Mechanical IOMs for additional detail.

a Airflow will vary based on unit configuration.

b Max kW is dependent on unit voltage. Values represented are based on 460V configurations.

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Accessories

Standard

Outdoor air damper
 Recirculation air damper
 5kA SCCR
 Hail guard
 Disconnect
 Hinged access doors
 208/230, 460 - 3PH 60Hz

Optional

Powered exhaust*
 Barometric relief damper*
 65kA SCCR
 Motor shaft grounding
 Condensate overflow switch
 Economizer fault detection
 Dirty filter switch
 Smoke detectors
 Space thermostat
 Humidity sensors
 Airflow monitoring
 Coil coating
 Curb
 Factory-mounted and wired service outlet
 Factory-mounted and field-wired service outlet
 Spare filters

* Available on models 40, 70, 120

Dimensions and Weights

Cabinet	Nominal Tonnage (tons)	Dimensions (inches)			Intake (A)	Condensing Section (B)	Nominal Weight (lbs)	Outdoor Intake	Supply Discharge	Return Intake	Exhaust
		L	W	H							
RT - 20	3 - 5	56	40	45.8	13.1 ^{2,4}	34.2	1,100				
RT - 40	6 - 10	62.2	59.5	49	13.12 ^{2,4} / 31.8 ^{1,3}	36.1	1,600	End	Bottom	Bottom	End ¹
RT - 70	10 - 17.5	64.1	69.5	74.6	22 ^{2,4} / 35.9 ^{1,3}	35	2,100				
RT - 120	17.5 - 30	83.6	83.7	81.7	28 ^{2,4} / 35.9 ^{1,3}	45.9	2,900				

¹ Only available with powered exhaust

² Only available without barometric relief

³ Only available with barometric relief

⁴ Only available without powered exhaust

All dimensions are shown in inches. Weight is shown in pounds and includes largest supply and exhaust fans, PDX with reheat, largest indirect gas-fired furnace, and all dampers. Actual weights will vary based on the unit configuration.

