

Quick Reference Guide



Foundation™ 15 to 25 Tons Packaged Rooftop Units Cooling & Gas/Electric

Table 1. Model number description

EBC	Cooling Only (Electric Heat Optional)
GBC	Gas Heat Unit

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RT-PRC069C-EN

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List of Options

Note: Most Factory Installed Options are available for downflow air discharge units only. Verify with ordering system for availability.

Table 1. List of options

Factory Installed Options	Field Installed Options
Barometric Relief (a),(b)	Crankcase Heater (25 Tons)
Complete Coat™ Microchannel Condenser Coil	Demand controlled Ventilation
Condensate Overflow Switch	Economizer - Standard/Horizontal
Economizer - Standard/Downflow(b)	Economizer - Low Leak/Horizontal
Economizer - Low Leak/Downflow(b)	Hail Guard
Electric Heaters	High Altitude Kit
Manual Outside Air Damper	High and Low Static Drive Kit
Motorized Outside Air Damper	Low Ambient Kit
Multi-Speed Indoor Fans (Utilizing VFD)	LP Conversion Kit
Oversized Motor	Powered Exhaust
Reference or Comparative Enthalpy Economizer	Remote Potentiometer
Stainless Steel Heat Exchanger with 10 Year Warranty	Roof Curb
Through the Base Electrical Access	Thermostat
Through the Base Gas Piping	
Unit Mounted Non-Fused Disconnect Switch(c)	

(a) Requires an economizer.

(b) Some field set up required.

(c) Must be ordered with Through-the-Base Electrical option.

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Table 2. 15-25 ton packaged rooftop performance data (gas or electric heat)

Nominal Size (Ton)	15	17.5	20	25	
				EBC	GBC
Cooling Performance(a)					
Gross Cooling Capacity	184,000	216,000	256,000	284,000	284,000
AHRI Net Cooling Capacity	176,000	206,000	244,000	268,000	268,000
Nominal Airflow CFM / AHRI Rated CFM	6,000/5,250	7,000/6,125	8,000/7,000	10,000/8,000	10,000/8,000
EER	11	11	10	10	9.8
IEER (One Speed Fan/Multi - Speed Fan)	12.4/13.2	12.4/13.2	11.6/12.4	11.6/12.4	11.4/12.4
Gas Heating Performance(b)					
Low Heat (Input/Output) - (MBh)	240,0/192,0	240,0/192,0	240,0/192,0	-	240,0/192,0
Medium Heat (Input/Output) - (MBh)	320,0/256,0	320,0/256,0	320,0/256,0	-	320,0/256,0
High Heat (Input/Output) - (MBh)	350,0/280,0	400,0/320,0	400,0/320,0	-	400,0/320,0
Other Information					
Net Weight (Lbs) - Gas Heat	1990	1999	2024	-	2050
Net Weight (Lbs) - Electric Heat	1826	1835	1860	1886	-
Filters - Type Furnished	Throwaway	Throwaway	Throwaway	Throwaway	Throwaway
Number & Size Recommended	(8) 20x25x2	(8) 20x25x2	(8) 20x25x2	(8) 20x25x2	(8) 20x25x2

(a) Cooling Performance is rated at 95°F ambient, 80°F entering dry bulb, 67°F entering wet bulb.

(b) Verify option availability in product data catalog.

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Table 3. Unit MCA & MOP electrical data (standard indoor fan motor - cooling or gas heat)

E/GBC	Volts	MCA(a)	MOP
180	208-230/3	75	100
	460/3	35	45
	575/3	28	35
210	208-230/3	86	110
	460/3	42	50
	575/3	34	45
240	208-230/3	97	125
	460/3	46	60
	575/3	38	50
300	208-230/3	126	175
	460/3	53	70
	575/3	44	50

(a) Values do not include Power Exhaust accessory.

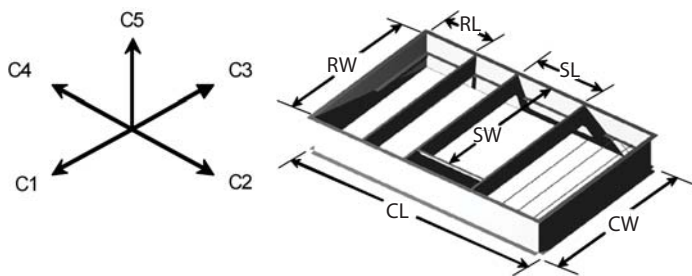
Table 4. Unit indoor fan data

E/GBC	Volts	Standard HP - RPM	Oversized HP - RPM
180	208-230/3	3 - 1750	5 - 3450
	460/3		
	575/3		
210	208-230/3	5 - 3450	7.5 - 3450
	460/3		
	575/3		
240	208-230/3	5 - 3450	7.5 - 3450
	460/3		
	575/3		
300	208-230/3	7.5 - 3450	10 - 1750
	460/3		
	575/3		

Table 5. Unit dimensional data

	15-25 Ton
Unit Length UL	123 1/8
Unit Width UW	86 15/16
Unit Height UH	58 5/8
Clearance C1	60
Clearance C2	48
Clearance C3	36
Clearance C4	68
Clearance C5	72
Curb Length CL	117 3/16
Curb Width CW	81
Supply Length SL ^(a)	28 9/16
Supply Width SW ^(a)	69 1/2
Return Length RL ^(a)	22 1/4
Return Width RW ^(a)	77

(a) Dimensions are for curb openings and not duct inserts. Reference the product catalog for duct insert dimensions.

**Table 6. Curb compatibility matrix - gas heat^(a)**

Tons	Foundation Model No.	Voyager Light Commercial Model No.	Carrier Model No.
15	G*C180	YCD180E, YCD180F, YSD180F, YHD180F, YCD181B, YCD181C, YCD181E, YCD181F	48TJD016, 48TJE016, 48TJF016, 48HJD017, 48HJF017, 48TMD016, 48TMF016, 48DP016, 48DR016
17½	G*C210	YCD210A, YCD210B, YCD210E, YCD210F, YSD210F, YHD210F, YCD211B, YCD211C, YCD211E, YCD211F	48TJD020, 48TJF020, 48TMD020, 48TMF020, 48DP020
20	G*C240	YCD240A, YCD240B, YCD240E, YCD240F, YSD240F, YHD240F, YCD241B, YCD241C, YCD241E, YCD241F	48TJD024, 48TJE024, 48TJF024, 48TMD025, 48TMF025, 48HJD025, 48HJF025
25	G*C300	YCD300B, YCD300E, YCD300F, YSD300F, YHD300F, YCD301C, YCD301E, YCD301F	48TJD028, 48TJE028, 48TJF028, 48TMD028, 48TMF028

(a) Data is subject to change. Data pulled from publicly available data via competitive websites.

Table 7. Curb compatibility matrix - electric heat^(a)

Tons	Foundation Model No.	Voyager Light Commercial Model No.	Carrier Model No.
15	E*C180	TCD180E, TCD180F, TSD180F, THD180F, TCD181B, TCD181C, TCD181E, TCD181F	50TJ016, 50TM016, 50DP016, 50HJ017
17½	E*C210	TCD210A, TCD210B, TCD210E, TCD210F, TSD210F, THD210F, TCD211B, TCD211C, TCD211E, TCD211F	50DP020, 50TJ020, 50TM020
20	E*C240	TCD240A, TCD240B, TCD240E, TCD240F, TSD240F, THD240F, TCD241B, TCD241C, TCD241E, TCD241F	50TJ024, 50TM025, 50HJ025
25	E*C300	TCD300B, TCD300E, TCD300F, TSD300F, THD300F, TCD301C, TCD301E, TCD301F	50TJ028, 50TM028

(a) Data is subject to change. Data pulled from publicly available data via competitive websites.



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