

Quick Reference Guide

Foundation™ Packaged Rooftop Units

Cooling and Gas/Electric

15 to 25 Tons



Model Numbers: EDK, GDK

Used With: Cooling Only (Electric Heat Optional), Gas Heat Unit

September 2024

RT-PRC127A-EN

©2024

1

Copyright

This document and the information in it are the property of Trane, and may not be used or reproduced in whole or in part without written permission. Trane reserves the right to revise this publication at any time, and to make changes to its content without obligation to notify any person of such revision or change.

Trademarks

All trademarks referenced in this document are the trademarks of their respective owners.

2

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
2-in. MERV 13 Pleated Filters - Barometric Relief ^{(a),(b)} - Complete Coat™ Microchannel Condenser Coil - Condensate Overflow Switch - Economizer - Standard/Downflow ^(b) - Economizer - Low Leak/Downflow ^(b) - Electric Heaters - High Static Motor - Manual Outside Air Damper - Motorized Outside Air Damper - Multi-Speed Motor - Reference or Comparative Enthalpy Economizer - Single Zone VAV - Stainless Steel Heat Exchanger with 10 Year Warranty - Through-the-Base Electrical Access - Through-the-Base Gas Piping ^(b) - Unit Mounted Non-Fused Disconnect Switch ^(c)	2-in. MERV 13 Pleated Filters - Barometric Relief ^{(a),(b)} - Condensate Overflow Switch - Condenser Coil Guard - Customer Connection Module - Demand controlled Ventilation - Differential Drybulb Economizer - Economizer - Standard/Downflow ^(b) - Economizer - Low Leak/Downflow ^(b) - Economizer - Standard/Horizontal - Economizer - Low Leak/Horizontal - Electric Heaters - Fresh Air Options Module - Hail Guard - High Altitude Kit - High and Low Static Drive Kit - Indoor Options Module - Low Ambient Control - LP Conversion Kit - Manual Outside Air Damper - Motorized Outside Air Damper - Power Exhaust - Reference or Comparative Enthalpy Economizer - Roof Curb - Thermostat - Through-the-Base Electrical Access - Through-the-Base Gas Piping ^(b) - 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.

3

Table 2. 15 to 25 tons packaged rooftop performance data (gas or electric heat)

Nominal Size (Ton)	15		17.5		20		25	
	EDK180	GDK180	EDK210	GDK210	EDK240	GDK240	EDK300	GDK300
Cooling Performance^(a)								
Gross Cooling Capacity	188,000	188,000	212,000	212,000	250,000	250,000	280,000	280,000
AHRI Net Cooling Capacity	182,000	182,000	206,000	206,000	240,000	240,000	266,000	266,000
Nominal Airflow CFM / AHRI Rated CFM	6000	6000	5600	5600	8000	8000	9000	9000
EER	11	10.8	11	10.8	10	9.8	10	9.8
IEER (Multi -Speed Fan)	14.2	14	14.2	14	13.2	13	13.2	13
Gas Heating Performance^(b)								
Low Heat (Input/Output) - (MBh)	–	240,000/194,000	–	240,000/194,000	–	240,000/194,000	–	240,000/194,000
Medium Heat (Input/Output) - (MBh)	–	320,000/259,000	–	320,000/259,000	–	320,000/259,000	–	320,000/259,000
High Heat (Input/Output) - (MBh)	–	350,000/283,500	–	380,000 (Downflow), 350,000 (Horizontal)/307,800 (Downflow), 283,500 (Horizontal) ^(b)	–	380,000/308,000	–	380,000/307,800
Other Information								
Net Weight (Lbs) - Gas Heat	–	2054	–	2069	–	2067	–	2103
Net Weight (Lbs) - Electric Heat	1891	–	1896	–	1902	–	1938	–
Filters - Type Furnished ^(c)	Throwaway	Throwaway	Throwaway	Throwaway	Throwaway	Throwaway	Throwaway	Throwaway
Number and Size Recommended	(8) 20x24x2	(8) 20x24x2	(8) 20x24x2	(8) 20x24x2	(8) 20x24x2	(8) 20x24x2	(8) 20x24x2	(8) 20x24x2

(a) Units are AHRI Certified to AHRI Standard 340-360 (I-P). Rating conditions are 95°F outdoor air temperature, 80°F entering dry bulb, 67°F entering wet bulb with minimum external static pressure as determined by rating standard.
(b) For 17.5T high heat option, input rate will de-rate from downflow to horizontal.
(c) Optional field-installed and factory MERV 13 filters available.

4

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

E/GDK	Volts	Minimum Circuit Ampacity ^(a)	Maximum Fuse Size or Maximum Circuit Breaker
180	208-230	70	100
	460	35	45
	575	28	40
210	208-230	91	125
	460	44	60
	575	36	50
240	208-230	104	125
	460	51	70
	575	39	50
300	208-230	121	150
	460	58	80
	575	43	50

(a) Values does not include power exhaust values.

Table 4. Unit indoor fan data

E/GDK	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		

5

Table 4. Unit indoor fan data (continued)

E/GDK	Volts	Standard HP - RPM	Oversized HP - RPM
300	208-230/3	7.5 - 3450	10 - 1750
	460/3		
	575/3		

Table 5. Unit dimensional data

	15 to 25 Tons
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.

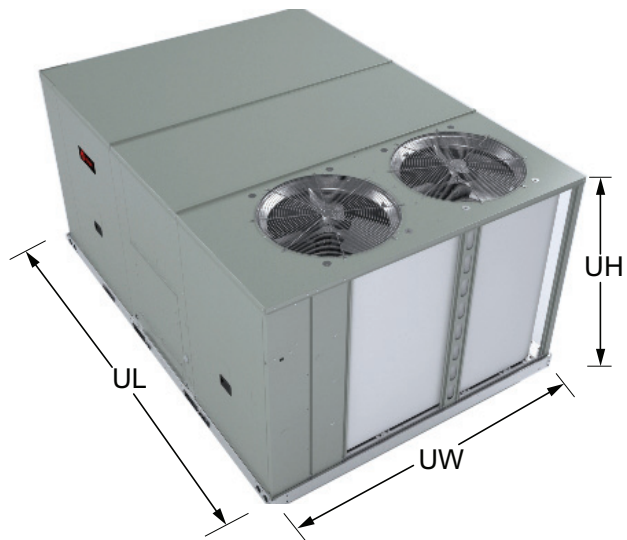
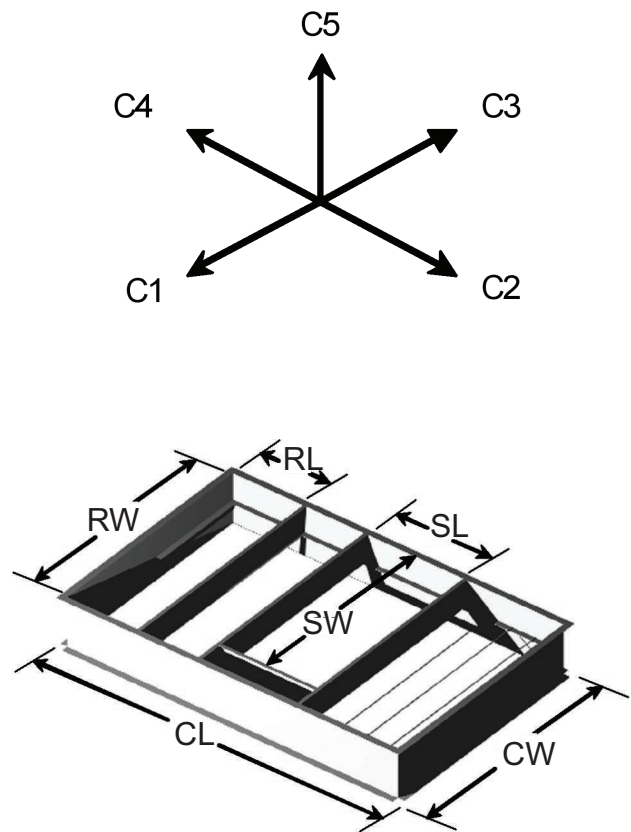


Table 6. Curb compatibility matrix - gas heat^(a)

Tons	Foundation Model No.	Carrier Model No.
15	G*K180	48TJD016, 48TJE016, 48TJF016, 48HJD017, 48HJF017, 48TMD016, 48TMF016, 48DP016, 48DR016
17.5	G*K210	48TJD020, 48TJF020, 48TMD020, 48TMF020, 48DP020
20	G*K240	48TJD024, 48TJE024, 48TJF024, 48TMD025, 48TMF025, 48HJD025, 48HJF025
25	G*K300	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.	Carrier Model No.
15	E*K180	50TJ016, 50TM016, 50DP016, 50HJ017
17.5	E*K210	50DP020, 50TJ020, 50TM020
20	E*K240	50TJ024, 50TM025, 50HJ025
25	E*K300	50TJ028, 50TM028

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