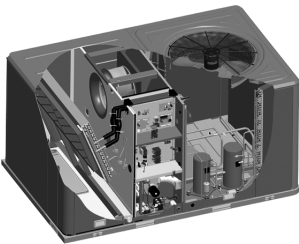


Quick Reference Guide

Precedent™ - High Efficiency

Cooling, Gas/Electric
3 to 5 Tons Packaged
Rooftop Units



Model Number: **Used With:**
THC High Efficiency Cooling Only (Electric Heat Optional)
YHC High Efficiency Gas Heat Unit

September 2023 **RT-PRC074G-EN**
©2023

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.

Revision History

Removed single phase from tables 3 and 4.

2

Table 1. List of factory installed options^(a)

0–50% Motorized Outside Air Damper	Hail Guard
Air-Fi® Wireless Communication Interface	Hinged Access Panels
BACnet® Communication Interface (BCI-R)	Human Interface - 5-inch Color Touchscreen
Barometric Relief	LonTalk® Communication Interface (LCI)
Belt Drive Motor	Manual outside air damper
Clogged Filter Switch	MERV 8 Filters
Complete Coat™ (Microchannel Condenser Coil)	MERV 13 Filters
Condensate Overflow Switch	Powered Convenience Outlet
Dehumidification	ReliaTel™ Controls
Demand Control Ventilation Wiring	Stainless Steel Drain Pan
Discharge Air Temperature Sensing Kit	Stainless Steel Heat Exchanger
Economizer - Comparative Enthalpy	Supply, Return, and Plenum Air Smoke Detectors
Economizer - Dry Bulb	Through-the-Base Electric Provision
Economizer - Low Leak, Dry Bulb	Through-the-Base Gas Provision
Economizer - Reference Enthalpy	Unit Mounted Circuit Breaker
Fan Failure Switch	Unit Mounted Non-fused Disconnect
Fault Detection and Diagnostics (FDD); Meets CA Title 24 Requirements	Unpowered Convenience Outlet
Frostat™	

(a) Verify option availability in ordering system.

Table 2. High efficiency, 3 to 5 tons packaged rooftop performance data (cooling or gas)

Nominal Size (Tons)	3	4	5
Cooling Performance			
Supply Air (cfm) ^(a)	1,200	1,600	2,000
Tot / Sens Cap (MBh) ^{(b),(c)}	37.6/27.9	49.9/37.0	61.0/45.4
SEER/EER	15.0	15.0	15.0
SEER2/EER2 ^(d)	14.1/11.7	14.7/11.7	14.7/11.7
IEER	N/A	N/A	N/A
Gas Heating Performance^(d)			
Low Heat (Input/output) - (MBh)	60.0/48.0	60.0/49.0	60.0/49.0
Medium Heat (Input/output) - (MBh)	80.0/64.0	80.0/64.0	80.0/64.0
High Heat (Input/output) - (MBh)	120.0/96.0	120.0/97.2	130.0/104.0
Other Information			
Net Weight (lbs) - Gas Heat	532	711	755
Net Weight (lbs) - Electric Heat	480	642	679
Roof Curb	BAYCURB042*	BAYCURB043*	
Unit Cabinet Size	B	C	
Filters ^(e) - Type Furnished	Throwaway	Throwaway	Throwaway
Number Size Recommended	(2) 20x30x2	(2) 16x25x2	(4) 16x25x2

(a) Nominal cfm.

(b) Cooling performance is rated at 80/67/95.

(c) All units listed utilize 3-phase voltage.

(d) EER2 and SEER2 are rated at AHRI conditions and calculated in accordance with AHRI Standard 210/240-2023. Airflow and net cooling capacity not shown.

(e) Optional 2-inch MERV 8 and MERV 13 filters also available.

Table 3. Unit MCA and MOP electrical data (standard indoor fan motor) (cooling or gas^(a))

T/YHC	Volts	MCA	MOP
036	208-230/3	21.0	30
036	460/3	12.0	15
036	575/3	10.0	15
048	208-230/3	26.0	35
048	460/3	13.0	15
048	575/3	11.0	15
060	208-230/3	30.0	45
060	460/3	14.0	20
060	575/3	11.0	15

(a) For MCA/MOP of units with electric heat, refer to ordering system.

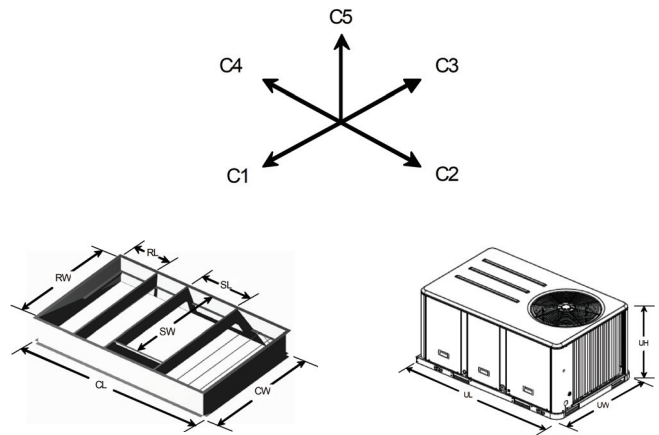
Table 4. Unit indoor fan data (cooling or gas)

T/YHC	Volts	Standard - HP - RPM	Oversize - HP - RPM
036	208-230/3	1 - FIXED	—
036	460/3	1 - FIXED	—
036	575/3	1 - FIXED	—
048	208-230/3	1 - FIXED	—
048	460/3	1 - FIXED	—
048	575/3	1 - FIXED	—
060	208-230/3	1 - FIXED	—
060	460/3	1 - FIXED	—
060	575/3	1 - FIXED	—

Table 5. Unit dimensional data

	B	C
Unit Length UL	69 7/8	88 5/8
Unit Width UW	44 1/4	53 1/4
Unit Height UH	36 1/4	40 7/8
Clearance C1	48	48
Clearance C2	36	36
Clearance C3	36	36
Clearance C4	36	36
Clearance C5	72	72
Curb Length CL	65 13/16	84 1/2
Curb Width CW	41 7/16	50 3/8
Supply Length SL ^(a)	16 3/4	18 1/2
Supply Width SW ^(a)	17 7/8	34 3/8
Return Length RL ^(a)	14 9/16	18 1/4
Return Width RW ^(a)	25 3/16	34 3/8

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



Trane and American Standard create comfortable, energy efficient indoor environments for commercial and residential applications. For more information, please visit trane.com or americanstandardair.com.

Trane and American Standard have a policy of continuous product and product data improvement and reserve the right to change design and specifications without notice. We are committed to using environmentally conscious print practices.