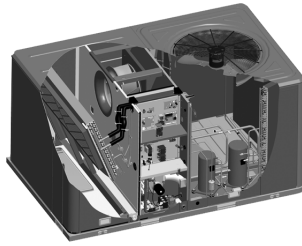


Quick Reference Guide  
**Precedent™ - High Efficiency**  
 Cooling, Gas/Electric  
 3 to 5 Tons Packaged  
 Rooftop Units



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**Revision History**

Removed single phase from tables 3 and 4.

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

September 2023

**RT-PRC074G-EN**

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**Table 1. List of factory installed options<sup>(a)</sup>**

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
<b>Cooling Performance</b>			
Supply Air (cfm) <sup>(a)</sup>	1,200	1,600	2,000
Tot / Sens Cap (MBh) <sup>(b),(c)</sup>	37.6/27.9	49.9/37.0	61.0/45.4
SEER/EER	15.0	15.0	15.0
SEER2/EER2 <sup>(d)</sup>	14.1/11.7	14.7/11.7	14.7/11.7
IEER	N/A	N/A	N/A
<b>Gas Heating Performance<sup>(d)</sup></b>			
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
<b>Other Information</b>			
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 <sup>(e)</sup> - 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<sup>(a)</sup>)**

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.

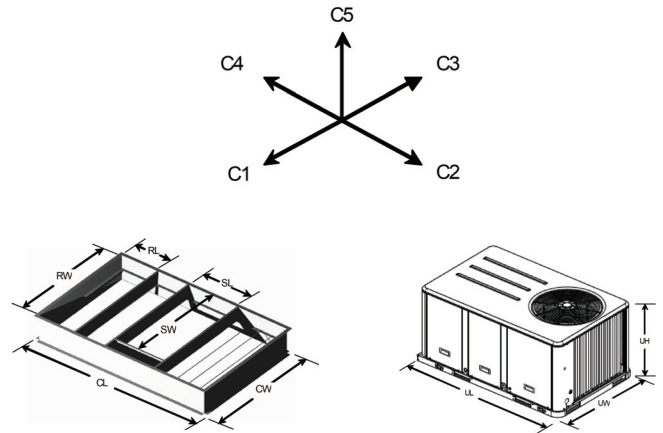
**Table 4. Unit indoor fan data (cooling or gas)**

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 <sup>(a)</sup>	16 3/4	18 1/2
Supply Width SW <sup>(a)</sup>	17 7/8	34 3/8
Return Length RL <sup>(a)</sup>	14 9/16	18 1/4
Return Width RW <sup>(a)</sup>	25 3/16	34 3/8

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



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