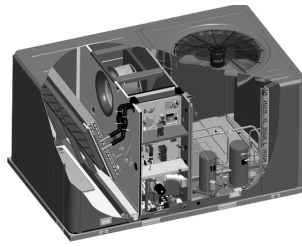


Quick Reference Guide
Precedent™ - High Efficiency
 Cooling, Gas/Electric
 3 to 5 Tons Packaged
 Rooftop Units



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Revision History

Updated the High efficiency, 3 to 5 tons packaged rooftop performance data (cooling or gas) table.

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

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

0-50% Motorized outside air damper	LonTalk® Communication Interface (LCI)
Air-Fi® Wireless Communication Interface	Manual outside air damper
BACnet® Communication Interface (BCI-R)	MERV 8 filters
Barometric relief	MERV 13 filters
Belt drive motor	Powered convenience outlet
Clogged filter switch	ReliaTel™ controls
CompleteCoat™ (microchannel condenser coil)	Stainless steel drain pan
Condensate overflow switch	Stainless steel heat exchanger
Dehumidification	Supply, return, and plenum air smoke detectors
Demand control ventilation wiring	Through-the-base electric provision
Discharge air temperature sensing kit	Through-the-base gas provision
Economizer - comparative enthalpy	Unit mounted circuit breaker
Economizer - dry bulb	Unit mounted non-fused disconnect
Economizer - low leak, dry bulb	Unpowered convenience outlet
Economizer - reference enthalpy	
Fan failure switch	
Fault detection and diagnostics (FDD); Meets CA Title 24 requirements	
Frostat™	
Hail guard	
Hinged access panels	
Human interface - 5-inch color touchscreen	

(a) Verify option availability in product catalog.

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	208-230/1	28.3	45
036	208-230/3	21.0	30
036	460/3	12.0	15
036	575/3	10.0	15
048	208-230/1	37.3	50
048	208-230/3	26.0	35
048	460/3	13.0	15
048	575/3	11.0	15
060	208-230/1	41.4	60
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 product catalog.

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

T/YHC	Volts	Standard - HP - RPM	Oversize - HP - RPM
036	208-230/1 ^(a)	3/4 - MULT	—
036	208-230/3	1 - FIXED	—
036	460/1 ^(a)	3/4 - MULT	—
036	460/3	1 - FIXED	—
036	575/1 ^{(a)(b)}	3/4 - MULT	—
036	575/3	1 - FIXED	—
048	208-230/1 ^(a)	3/4 - MULT	—
048	208-230/3	1 - FIXED	—
048	460/1 ^(a)	3/4 - MULT	—
048	460/3	1 - FIXED	—
048	575/1 ^{(a)(b)}	3/4 - MULT	—
048	575/3	1 - FIXED	—
060	208-230/1 ^(a)	3/4 - MULT	—
060	208-230/3	1 - FIXED	—
060	460/1 ^(a)	3/4 - MULT	—

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

T/YHC	Volts	Standard - HP - RPM	Oversize - HP - RPM
060	460/3	1 - FIXED	—
060	575/1 ^{(a)(b)}	3/4 - MULT	—
060	575/3	1 - FIXED	—

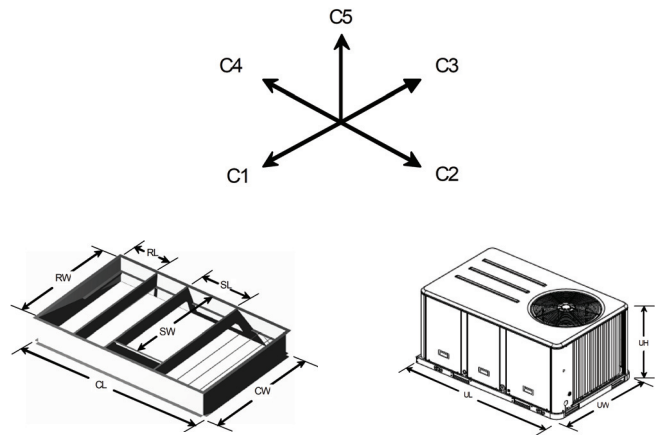
(a) Direct drive motor.

(b) Powered through 575/230V transformer.

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.



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