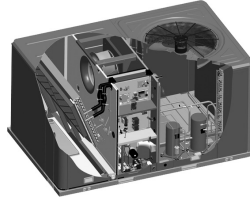


Quick Reference Guide

Precedent™ - High Efficiency Cooling & Gas/Electric 3 to 10 Tons Packaged Rooftop Units



Model Number:	Used With:
IRK	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	Human interface - 5 inch color touchscreen
Air-Fi™ Wireless Communication Interface	LonTalk® Communication Interface (LCI)
BACnet® Communication Interface (BCI-R)	Manual outside air damper
Barometric relief	MERV 8 filters
Belt drive motor	MERV 13 filters
Clogged filter switch	Multiple zone VAV (variable air volume)
CompleteCoat™ (microchannel condenser coil)	Multi-speed indoor fan system
Condensate overflow switch	NOVAR 2024 controls
Crankcase heater	NOVAR 3051 controls without zone sensor
Dehumidification	NOVAR 3051 zone sensor
Demand control ventilation wiring	NOVAR return air sensor
Discharge air temperature sensing kit	Powered convenience outlet
Economizer - comparative enthalpy	ReliaTel™ controls
Economizer - dry bulb	Stainless steel drain pan
Economizer - low leak, dry bulb	Stainless steel heat exchanger
Economizer - reference enthalpy	Supply, return, and plenum air smoke detectors
Fan failure switch	Through-the-base electric provision
Fault detection & diagnostics (FDD); Meets CA Title 24 requirements	Through-the-base gas provision
Frostat™	Unit mounted circuit breaker
Hail guard	Unit mounted non-fused disconnect
Hinged access panels	Unpowered convenience outlet

(a) Verify option availability in product catalog.

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Table 2. High efficiency, 3 to 10 ton packaged rooftop performance data (gas or cooling)

Nominal Size (Tons)	3	4	5	6	6 Dual Compressors	7.5 Dual Compressors	8.5	10
Cooling Performance								
Supply Air (cfm) ^(a)	1,200	1,600	2,000	2,400	2,400	3,000	3,400	4,000
Tot / Sens Cap (MBh) ^{(b),(c)}	37.6/27.9	49.9/37.0	61.0/45.4	72/53	73.6/58.7	92/63.3	104/82	116/87
SEER/EER	15.0	15.0	15.0	12.6	13.1	12.6	12.5	12.4
IEER ^(d)	N/A	N/A	N/A	14.5	15.5	14.5	14.7	14.7
Gas Heating Performance^(d)								
Low Heat (Input/output) - (MBh)	60.0/48.0	60.0/49.0	60.0/49.0	80/64	150.0/121.5	120/96	120/96	150/120
Medium Heat (Input/output) - (MBh)	80.0/64.0	80.0/64.0	80.0/64.0	120/96	120.0/97.2	150/120	150/120	200/160
High Heat (Input/output) - (MBh)	120.0/96.0	120.0/97.2	130.0/104.0	150/120	80.0/64.8	200/160	200/160	250/200
Other Information								
Net Weight (Lbs) - Gas Heat	532	711	755	822	1016	1026	1035	1259
Net Weight (Lbs) - Electric Heat	480	642	679	740	918	928	937	1132
Roof Curb	BAYCURB042A				BAYCURB043A			BAYCURB044A
Unit Cabinet Size	B		C			D		E ^(e)
Filters ^(f) - Type Furnished	Throwaway	Throwaway	Throwaway	Throwaway	Throwaway	Throwaway	Throwaway	Throwaway
Number Size Recommended	(2) 20x30x2	(2) 16x25x2	(4) 16x25x2	(4) 20x25x2	(4) 20x25x2	(4) 20x25x2	(4) 20x25x2	(3) 20x25x2 (2) 20x30x2

(a) Nominal cfm

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

(c) All units listed utilize 3-phase voltage

(d) SZVAV and multi-speed indoor fan system IEER 6T Dual - 16.0, 7.5T - 15.0, 8.5T - 15.2, 10T, 15.0

(e) BAYCURB044E available for 10 ton high efficiency only

(f) Optional 2" MERV 8 and MERV 13 filters also available

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

T/YHC	Volts	MCA	MOP
036	208-230/1	28.3	45
036	208-230/3	20.6	30
036	460/3	11.0	15
036	575/3	7.9	15
048	208-230/1	37.3	50
048	208-230/3	27.2	40
048	460/3	12.8	15
048	575/3	9.8	15
060	208-230/1	41.4	60
060	208-230/3	30.0	45
060	460/3	13.8	20
060	575/3	10.2	15
072	208-230/3	32.3	50
072	460/3	15.1	20
072	575/3	12.7	15
074	208-230/3	37.4	50
074	460/3	18.7	25
092	208-230/3	42.4	50
092	460/3	20.7	25
092	575/3	15.6	20
102	208-230/3	42.0	50
102	460/3	21.6	25
102	575/3	16.5	20
120	208-230/3	46.1	60
120	460/3	21.9	30
120	575/3	16.4	20

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

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

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	—
060	460/3	1 - FIXED	—
060	575/1 ^{(a)(b)}	3/4 - MULT	—
060	575/3	1 - FIXED	—
072	208-230/3	1 - 1725	2.0 - 1725
072	460/3	1 - 1725	2.0 - 1725
072	575/3	1.5 - 1725	2.0 - 1725
074	208-230/3	3 - 1725	—
074	460	3 - 1725	—
092	208-230/3 ^(a)	3.75 - MULT	—
092	460/3 ^(a)	3.6 - MULT	—
092	575/3 ^{(a)(c)}	3.6 - MULT	—

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

T/YHC	Volts	Standard - HP - RPM	Oversize - HP - RPM
102	208-230/3 ^(a)	3.75 - MULT	—
102	460/3 ^(a)	3.6 - MULT	—
102	575/3 ^{(a)(c)}	3.6 - MULT	—
120	208-230/3 ^(a)	3.75 - MULT	—
120	460/3 ^(a)	3.6 - MULT	—
120	575/3 ^{(a)(c)}	3.6 - MULT	—

(a) Direct drive motor

(b) Powered through 575/230V transformer

(c) Powered through 575/480V transformer

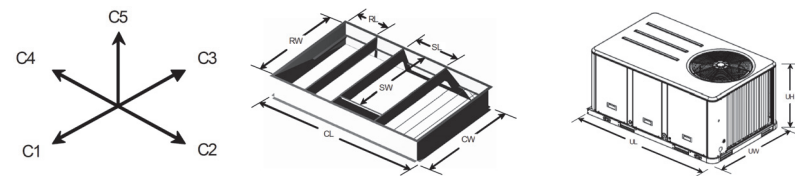
Table 5. Unit dimensional data

	B	C	D	E
Unit Length UL	69 7/8	88 5/8	88 5/8	99 11/16
Unit Width UW	44 1/4	53 1/4	53 1/4	63 3/16
Unit Height UH	36 1/4	40 7/8	46 7/8	50 7/8
Clearance C1	48	48	48	48
Clearance C2	36	36	36	36
Clearance C3	36	36	36	36
Clearance C4	36	36	36	36
Clearance C5	72	72	72	72
Curb Length CL	65 13/16	84 1/2	84 1/2	84 1/2
Curb Width CW	41 7/16	50 3/8	50 3/8	60 3/8
Supply Length SL ^(a)	16 3/4	18 1/2	18 1/2	18 1/2

Table 5. Unit dimensional data (continued)

	B	C	D	E
Supply Width SW ^(a)	17 7/8	34 3/8	34 3/8	34 3/8
Return Length RL ^(a)	14 9/16	18 1/4	18 1/4	18 1/4
Return Width RW ^(a)	25 3/16	34 3/8	34 3/8	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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