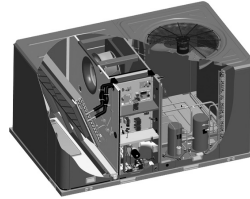


Quick Reference Guide

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



Model number description

TSC	Standard Efficiency Cooling Only (Electric Heat Optional)
THC	High Efficiency Cooling Only (Electric Heat Optional)
YSC	Standard Efficiency Gas Heat Unit
YHC	High Efficiency Gas Heat Unit

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RT-PRC037W-EN

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

0-50% Motorized Outside Air Damper	LonTalk® Communication Interface (LCI)
BACnet® Communication Interface (BCI-R)	Manual Outside Air Damper
Barometric Relief	MERV 8 Filters
Belt Drive Motor	MERV 13 Filters
Black Epoxy Pre-Coated Condenser Coil	Multiple Zone VAV (Variable Air Volume)
Clogged Filter Switch	Multi-Speed Indoor Fan System
Complete Coat™ (Microchannel Condenser Coil)	NOVAR 2024 Controls
Condensate Overflow Switch	NOVAR 3051 Controls Without Zone Sensor
Crankcase Heater	NOVAR 3051 Zone Sensor
Dehumidification	NOVAR Return Air Sensor
Demand Control Ventilation Wiring	Powered Convenience Outlet
Discharge Air Temperature Sensing Kit	ReliaTel™ Controls
Economizer - Comparative Enthalpy	Single Zone Variable Air Volume (SZVAV)
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
Human Interface - 5 inch Color Touchscreen	

(a) Verify option availability in product catalog.

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Table 2. 3-10 ton packaged rooftop performance data (gas or electric heat)

Nominal Size (Tons)	Standard Efficiency								High Efficiency							
	3	4	5	6	7.5 Single Compressor	7.5 Dual Compressors	8.5	10	3	4	5	6	7.5 Dual Compressors	8.5	10	
Cooling Performance																
Supply Air (cfm) ^(a)	1,200	1,600	2,000	2,400	3,000	3,000	3,400	4,000	1,200	1,600	2,000	2,100	2,400	2,720	3,350	
Tot / Sens Cap (MBh) ^{(b),(c)}	37.2/27.8	49.4/37.3	62.3/48.1	75.0/53.2	89.0/67.34	94.0/69.1	102.1/76.7	119/92.7	37.6/27.9	49.9/37.0	61.0/45.4	72/53	92/63.3	104/82	116/87	
SEER/EER	13.0	13.0	13.0	11.2	11.2	11.2	11.2	11.3	15.0	15.0	15.0	12.6	12.6	12.5	12.4	
IEER ^(d)	N/A	N/A	N/A	13.0	12.2	13.0	13.0	13.0	N/A	N/A	N/A	14.5	14.5	14.7	14.7	
Gas Heating Performance^(d)																
Low Heat (Input/output) - (MBh)	60.0/48.0	60.0/48.0	60.0/48.0	80.0/64.0	120/96	120.0/96.0	120.0/96.0	150.0/120.0	60.0/49.8	60.0/49.2	60.0/49.2	80/64	120/96	120/96	150/120	
Medium Heat (Input/output) - (MBh)	80.0/64.0	80.0/64.0	80.0/64.0	120.0/96.0	150/120	150.0/120.0	150.0/120.0	200.0/160.0	80.0/65.6	80.0/65.6	80.0/65.6	120/96	150/120	150/120	200/160	
High Heat (Input/output) - (MBh)	120.0/96.0	120.0/96.0	130.0/104.0	150.0/120.0	200/160	200.0/160.0	200.0/160.0	250.0/200.0	100.0/82.0	120.0/98.4	130.0/106.6	150/120	200/160	200/160	250/200	
Other Information																
Net Weight (Lbs) - Gas Heat	532	563	613	710	767	847	904	1058	532	711	755	822	1026	1035	1259	
Net Weight (Lbs) - Electric Heat	480	511	561	667	686	797	856	960	480	642	679	740	928	937	1132	
Roofcurb	BAYCURB042A				BAYCURB043A				BAYCURB042A			BAYCURB043A			BAYCURB044A	
Unit Cabinet Size	B			C	C	D	D	D	B			C			D	E ^(e)
Filters ^(f) - Type Furnished	Throwaway	Throwaway	Throwaway	Throwaway	Throwaway	Throwaway	Throwaway	Throwaway	Throwaway	Throwaway	Throwaway	Throwaway	Throwaway	Throwaway	Throwaway	
Number Size Recommended	(2) 20x30x2	(2) 20x30x2	(2) 20x30x2	(4) 16x25x2	(4) 16x25x2	(4) 20x25x2	(4) 20x25x2	(4) 20x25x2	(2) 20x30x2	(2) 16x25x2	(4) 16x25x2	(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 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

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Table 3. Unit MCA & MOP electrical data (standard indoor fan motor) (gas or electric heat)

T/YSC	Volts	MCA	MOP	T/YHC	Volts	MCA	MOP
036	208-230/1	28.8	45	036	208-230/1	28.3	45
	208-230/3	23.0	35		208-230/3	20.6	30
	460/3	11.7	15		460/3	11.0	15
	575/3	9.4	15		575/3	7.9	15
048	208-230/1	36.8	50	048	208-230/1	37.3	50
	208-230/3	24.1	35		208-230/3	27.2	40
	460/3	11.5	15		460/3	12.8	15
	575/3	8.6	15		575/3	9.8	15
060	208-230/1	41.4	60	060	208-230/1	41.4	60
	208-230/3	27.4	40		208-230/3	30.0	45
	460/3	12.3	15		460/3	13.8	20
	575/3	8.9	8.9		575/3	10.2	15
072	208-230/3	36.5	50	072	208-230/3	32.3	50
	460/3	18.2	25		460/3	15.1	20
	575/3	12.7	20		575/3	12.7	15
090	208-230/3	38.2	60	092	208-230/3	41.9	50
	460/3	19.5	30		460/3	19.9	25
	575/3	14.7	20		575/3	15.6	20
092	208-230/3	39.3	50	102	208-230/3	42.0	50
	460/3	18.5	20		460/3	21.6	25
	575/3	15.5	20		575/3	16.5	20
102	208-230/3	43.3	50	120	208-230/3	46.1	60
	460/3	21.4	25		460/3	21.9	30
	575/3	16.8	20		575/3	16.4	20
120	208-230/3	49.6	60				
	460/3	22.7	30				
	575/3	18.9	25				

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Table 4. Unit indoor fan data (gas or electric heat)

T/YSC	Volts	Standard HP - RPM	Oversize HP - RPM	T/YHC	Volts	Standard HP - RPM	Oversize HP - RPM
036	208-230/1 ^(a)	3/4 - MULT	—	036	208-230/1 ^(a)	3/4 - MULT	—
	208-230/3	1 - 1725	—		208-230/3	1 - FIXED	—
	460/3	—	—		460/1 ^(a)	3/4 - MULT	—
	575/3	—	—		460/3	1 - FIXED	—
048	208-230/1 ^(a)	1 - MULT	—	048	575/1 ^{(a)(b)}	3/4 - MULT	—
	208-230/3	1 - 1725	—		575/3	1 - FIXED	—
	460/3	—	—		208-230/1 ^(a)	3/4 - MULT	—
	575/3	—	—		208-230/3	1 - FIXED	—
060	208-230/1 ^(a)	1 - MULT	—	048	460/1 ^(a)	3/4 - MULT	—
	208-230/3	1 - 1725	—		460/3	1 - FIXED	—
	460/60/3	—	—		575/1 ^{(a)(b)}	3/4 - MULT	—
	575/3	—	—		575/3	1 - FIXED	—
072	208-230/3	1/1750	2/1750	060	208-230/1 ^(a)	3/4 - MULT	—
	460/3	1/1750	2/1750		208-230/3	1 - FIXED	—
	575/3	1/1750	2/1750		460/1 ^(a)	3/4 - MULT	—
090	208-230/3	1/1750	3/1750	060	460/3	1 - FIXED	—
	460/3	1/1750	3/1750		575/1 ^{(a)(b)}	3/4 - MULT	—
	575/3	1/1750	3/1750		575/3	1 - FIXED	—
092	208-230/3	1/1750	3/1750	072	208-230/3	1 - 1725	2.0 - 1725
	460/3	1/1750	3/1750		460/3	1 - 1725	2.0 - 1725
	575/3	1/1750	3/1750		575/3	1.5 - 1725	2.0 - 1725
102	208-230/3	2/1750	3/1750	092	208-230/3 ^(a)	3.75 - MULT	—
	460/3	2/1750	3/1750		460/3 ^(a)	3.6 - MULT	—
	575/3	2/1750	3/1750		575/3 ^{(a)(c)}	3.6 - MULT	—
120	208-230/3 ^(a)	3.75/MULT	—	102	208-230/3 ^(a)	3.75 - MULT	—
	460/3	—	—		460/3 ^(a)	3.6 - MULT	—
				120	575/3 ^{(a)(c)}	3.6 - MULT	—
					460/3 ^(a)	3.6 - MULT	—
					575/3 ^{(a)(c)}	3.6 - MULT	—

- (a) Direct drive motor
(b) Powered through 575/230V transformer
(c) Powered through 575/480V transformer

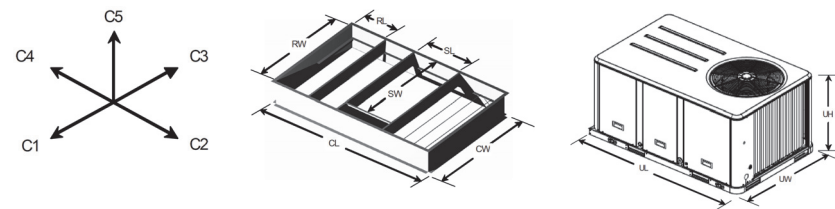
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Table 5. Unit dimensional data

	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
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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