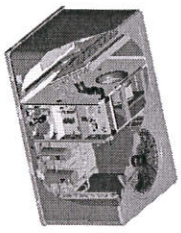


Quick Reference Guide



Precedent™ Cooling & Gas/Electric 3-10 Ton 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

September 2013

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

0-50% Motorized Outside Air Damper	LonTalk® Communication Interface (LCI)
BackETM™ Communication Interface (BCT-R)	Manual Outside Air Damper
Barometric Relief	MERV 8 Filters
Belt Drive Motor	MERV 13 Filters
Black Epoxy Pre-Coated Condenser Coil	Multi-Speed Indoor Fan
Clogged Filter Switch	NOVAR 2024 Controls
Complete Coat™ (Microchannel Condenser Coil)	NOVAR 3051 Controls Without Zone Sensor
Condensate Overflow Switch	NOVAR 3051 Zone Sensor
Crankcase Heater	NOVAR Return Air Sensor
Dehumidification	Powered Convenience Outlet
Delivered VAV	Rellatrol™ Controls
Demand Control Ventilation Wiring	Single Zone Variable Air Volume (SZVAV)
Discharge Air Sensing Tube	Stainless Steel Drain Pan
Economizer - Comparative Enthalpy	Stainless Steel Heat Exchanger
Economizer - Reference Enthalpy	Supply, Return, and Plenum Air Smoke Detectors
Fan Failure Switch	Through-the-Base Electric Provision
Froststat™	Through-the-Base Gas Provision
Hail Guard	Trane@ Communication Interface (TCI)
Hinged Access Panels	Unit Mounted Circuit Breaker
Human Interface - 5 Inch Color Touchscreen	Unit Mounted Non-Fused Disconnect
	Unpowered Convenience Outlet

(a) Verify option availability in product catalog.

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 (cm) ^(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	3,500
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	119/89
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	12.5
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	60.0/48.0	60.0/48.0	60.0/48.0	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	80.0/64.0	80.0/64.0	80.0/64.0	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	120.0/96.0	130.0/104.0	150.0/120.0	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	1359
Net Weight (Lbs) - Electric Heat	480	511	561	667	686	797	886	960	480	642	679	740	928	937	1252
Unit Cabinet Size															
Filters ^(e) - Type Furnished	THROWAWAY (2) 20x30x2	THROWAWAY (2) 20x30x2	THROWAWAY (2) 20x30x2	THROWAWAY (4) 16x25x2	THROWAWAY (4) 16x25x2	THROWAWAY (4) 20x25x2	THROWAWAY (4) 20x25x2	THROWAWAY (4) 20x25x2	THROWAWAY (2) 20x30x2	THROWAWAY (2) 16x25x2	THROWAWAY (4) 16x25x2	THROWAWAY (4) 20x25x2	THROWAWAY (4) 20x25x2	THROWAWAY (4) 20x25x2	THROWAWAY (3) 20x25x2
Number Size Recommended															

(a) Nominal cfm
 (b) Cooling Performance is rated at 80/67/95
 (c) Cooling Performance is based on outdoor air at 55°F and indoor air at 75°F
 (d) SZVAV and Multi-Speed Indoor Fan IEER 7.5T - 15.0, 8.5T - 15.2, 10T - 15.0
 (e) Optional Z™ MERV 8 and MERV 13 filters also available

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

T/Y/SC	Volts	MCA	MOP	T/Y/H/C	Volts	MCA	MOP
036	208-230/1	28.8	45	036	208-230/1	28.3	45
	208-230/3	21.4	30		208-230/3	20.6	30
	460/3	10.1	15		460/3	11.0	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
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
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	48.9	60
	460/3	21.4	25		460/3	22.1	30
	575/3	16.8	20		575/3	16.8	20
120	208-230/3	49.6	60	120	208-230/3	55.3	70
	460/3	22.7	30		460/3	22.7	30
	575/3	18.9	25		575/3	18.9	25

5 Table 5. Unit dimensional data

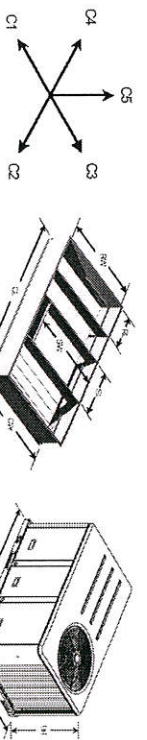
	A	B	C	D	E
Unit Length UL	69 7/8	88 5/8	88 5/8	99 11/16	99 11/16
Unit Width UW	44 1/4	53 1/4	53 1/4	63 3/16	63 3/16
Unit Height UH	36 1/4	40 7/8	46 7/8	50 7/8	50 7/8
Clearance C1	48	48	48	48	48
Clearance C2	36	36	36	36	36
Clearance C3	36	36	36	36	36
Clearance C4	36	36	36	36	36
Clearance C5	72	72	72	72	72
Curb Length CL	65 13/16	84 1/2	84 1/2	84 1/2	84 1/2
Curb Width CW	41 7/16	50 3/8	50 3/8	60 3/8	60 3/8
Supply Length SL(a)	16 3/4	18 1/2	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	34 3/8
Return Length RL(a)	14 9/16	18 1/4	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	34 3/8

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

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

T/Y/SC	Volts	Standard HP - RPM	Oversize HP - RPM	T/Y/H/C	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	—	—		460/3	1 - FIXED	—
048	208-230/1(a)	1 - MULT	—	048	208-230/1(a)	1 - FIXED	—
	208-230/3	1 - 1725	—		208-230/3	3/4 - MULT	—
	460/3	—	—		460/3	1 - FIXED	—
060	208-230/1(a)	1 - MULT	—	060	208-230/1(a)	3/4 - MULT	—
	208-230/3	1 - 1725	—		208-230/3	1 - FIXED	—
	460/60/3	—	—		575/1(a)(b)	3/4 - MULT	—
072	208-230/3	1/1750	2/1750	072	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	090	208-230/3	3/4 - MULT	—
	460/3	1/1750	3/1750		460/3	1 - FIXED	—
	575/3	1/1750	3/1750		575/1(a)(b)	3/4 - MULT	—
092	208-230/3	1/1750	3/1750	092	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	—
102	208-230/3	2/1750	3/1750	102	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)(b)	3.6 - MULT	—
120	208-230/3(a)	—	—	120	208-230/3(a)	3.75 - MULT	—
	460/3	—	—		460/3(a)	3.6 - MULT	—
	575/3	—	—		575/3(a)(b)	3.6 - MULT	—

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



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