

Quick Reference Guide

Precedent™ - Standard Efficiency

3 to 10 Tons Packaged Heat Pumps



Model Number: WSC
Used With: Heat Pumps

RT-PRC051P-EN

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

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
Black epoxy pre-coated condenser coil	MERV 8 filters
Clogged filter switch	MERV 13 filters
Condensate overflow switch	Multi-speed indoor fan system
Demand control ventilation wiring	Powered convenience outlet
Discharge air temperature sensing tube	ReliaTel™ controls
Economizer - comparative enthalpy	Single zone variable air volume (SZVAV)
Economizer - dry bulb	Stainless steel drain pan
Economizer - low leak, dry bulb	Supply, return, and plenum air smoke detectors
Economizer - reference enthalpy	Through-the-base electric provision
Fan failure switch	Unit mounted circuit breaker
Frostat™	Unit mounted non-fused disconnect
Fault detection & diagnostics (FDD); Meets CA Title 24 requirements	Unpowered convenience outlet

(a) Verify option availability in product catalog.

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Table 2. Standard efficiency, 3 to 10 ton packaged rooftop performance data (heat pump)

Nominal Size (Tons)	3	4	5	6	7.5 (1 stage)	7.5 (2 stage)	8.5	10
Cooling Performance								
Supply Air (cfm)	1,200	1,600	2,000	2,100	2,625	3,000	3,400	4,000
Tot / Sens Cap (MBh)	39.3/29.3	49.8/38.3	61.0/48.8	78/53	93.5/74.4	95.3/ 74.6	103.2/83.4	118.1/97.0
EER/SEER	3,4 = 12.1/14.3 W = 12.0/14.3	3,4 = 12.3/14.3 W = 12.2/14.3	3,4 = 12.3/14.3 W = 12.2/14.3	11.4	11.1	11.3	11.0	11.0
IEER ^(a)	N/A	N/A	N/A	13.0	12.2	12.4	12.2	12.2
Heating Performance								
High Temperature Btuh Rating	36,000	47,500	59,000	71,000	87,000	88,000 ^(b)	92,000 ^(b)	106,000
COP	3.50	3.50	3.50	3.50	3.40	3.40	3.40	3.40
Low Temperature Btuh Rating	20,600	26,000	35,000	39,000	48,000	48,000	48,500	58,500
COP	2.20	2.30	2.30	2.3	2.25	2.25	2.10	2.25
HSPF	8.0	8.2	8.2	—	—	—	—	—
Other Information								
Net Weight (Lbs)	507	540	682	740	804	796	829	850
Roof Curb	BAYCURB042*			BAYCURB043*				
Unit Cabinet Size	F			C		D		
Filters ^(c) - Type Furnished	Throwaway	Throwaway	Throwaway	Throwaway	Throwaway	Throwaway	Throwaway	Throwaway
Number Size Recommended	(2) 20x35x2	(2) 20x35x2	(4) 16x25x2	(4) 16x25x2	(4) 20x25x2	(4) 20x25x2	(4) 20x25x2	(4) 20x25x2

(a) 12.9/13.4 IEER for multi-speed/SZVAV option.

(b) High Temperature Btu/h Rating 89,000 for WSC102H VAV option, 87,000 for WSC092H VAV option.

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

Table 3. Unit MCA & MOP electrical data

WSC	Volts	Standard Indoor Motor ^(a)		Oversized Indoor Fan Motor		Optional EBM Indoor Fan Motor	
		MCA	MOP	MCA	MOP	MCA	MOP
036	208-230/3	26	40	29	40	—	—
	460/3	11	15	13	15	—	—
	575/3	11	15	11	15	—	—
048	208-230/3	27	40	28	40	—	—
	460/3	12	15	13	15	—	—
	575/3	12	15	12	15	—	—
060	208-230/3	31	45	32	45	—	—
	460/3	15	20	15	20	—	—
	575/3	13	15	13	15	—	—
072	208-230/3	35	50	38	50	—	—
	460/3	17	25	18	25	—	—
	575/3	13	20	14	20	—	—
090	208-230/3	38	60	44	60	—	—
	460/3	19	30	22	30	—	—
	575/3	15	20	17	25	—	—
092	208-230/3	40	60	46	70	44	60
	460/3	18	25	21	30	20	30
	575/3	14	20	16	20	20	25
102	208-230/3	45	70	48	70	46	70
	460/3	20	30	22	30	21	30
	575/3	16	20	17	25	21	25
120	208-230/3	54	80	—	—	—	—
	460/3	24	35	—	—	—	—
	575/3	23	30	—	—	—	—

(a) The standard motor for 3-phase models (3 to 5 and 10 ton) is a multispeed, direct drive motor. The standard motor for 3-phase (6 to 8.5 tons) is a belt drive motor.

Table 4. Unit indoor fan data (heat pump)

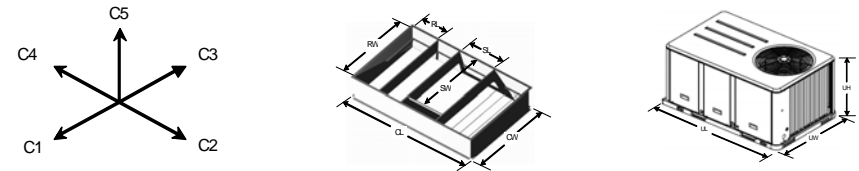
WSC	Volts	Standard HP - RPM	Oversize HP - RPM
036	208-230/3	0.75/MULT	1.5/MULT
	460/3	0.75/MULT	1.5/MULT
	575/3	0.75/MULT	1.5/MULT
048	208-230/3	1/MULT	1.5/MULT
	460/3	1/MULT	1.5/MULT
	575/3	1/MULT	1.5/MULT
060	208-230/3	1/MULT	1.5/MULT
	460/3	1/MULT	1.5/MULT
	575/3	1/MULT	1.5/MULT
072	208-230/3	1-1725	2-1725
	460/3	1-1725	2-1725
	575/3	1-1725	2-1725
090/092 ^(a)	208-230/3	1-1725	2-1725
	460/3	1-1725	2-1725
	575/3	1-1725	2-1725
102 ^(a)	208-230/3	2-1725	3-1725
	460/3	2-1725	3-1725
	575/3	2-1725	3-1725
120	208-230/3	2.75/MULTI	—
	460/3	2.75/MULTI	—
	575/3	2.75/MULTI	—

(a) Multi-speed and single zone VAV fan option uses 2.75 - MULT motor.

Table 5. Unit dimensional data

	Cabinet Size (Digit30)			
	C	D	E	F
Unit Length UL	88 5/8	88 5/8	99 11/16	69 7/8
Unit Width UW	53 1/4	53 1/4	63 3/16	44 1/4
Unit Height UH	40 7/8	46 7/8	50 7/8	40 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	84 1/2	84 1/2	84 1/2	65 13/16
Curb Width CW	50 3/8	50 3/8	60 3/8	41 7/16
Supply Length SL ^(a)	18 1/2	18 1/2	18 1/2	16 3/4
Supply Width SW ^(a)	34 3/8	34 3/8	34 3/8	17 7/8
Return Length RL ^(a)	18 1/4	18 1/4	18 1/4	14 9/16
Return Width RW ^(a)	34 3/8	34 3/8	34 3/8	25 3/16

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



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