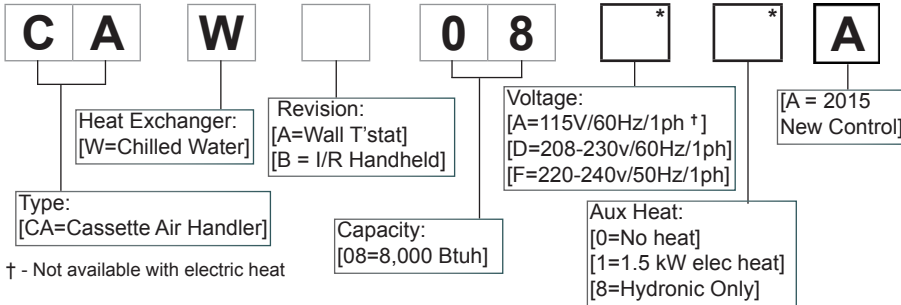


8,000 Btuh Hydronic Fan Coil Ceiling Cassette Air Handler

Indoor Air Handler Model:



Order Quantity of Air Handler

8,000 Btuh Hydronic Fan Coil Ceiling Cassette Air Handler

* Select Voltage and Aux Heat option

No derate for 50Hz or 115v

Please indicate desired quantity of optional accessories for each air handler (max allowed)

24VAC Wired Thermostat, Single-Stage, 1-Heat/1-Cool, Manual Changeover, #240008208 (1)	5 1/4" Ø Discharge Air Duct Collar Kit, 2pcs, #240009786 (1 kit, any 2 non-adjacent sides)
24VAC Wired Thermostat, Single-Stage, 1-Heat/1-Cool, Auto Changeover, #240008210 (1)	3" Ø Fresh Air Duct Collar Kit, 3 pcs, #240003416 (1 kit)
OEM Hand-Held Infrared Remote Control (#240006566) (1, For all CAWB air handlers)	Condensate Pump, 144" lift, External Floor Mount, 208/230v-#240003106 / 115v-#240003107 (Unit comes w/ 30" lift pump) (1)

NOTE: Every air handler requires either a 24VAC Wall Thermostat or Hand-Held Infrared Remote

Electrical Specifications

Model #	Volts/Ph/Hz	Fan Motors		Elec Heat		Total Amps	Min Volt.	MCA	HACR BRKR
		Amps	HP	Amps	kW				
CAW_08D0	208-230/1/60	0.35	1/10	-	-	0.4	197	0.5	15
CAW_08F0	220-240/1/50	0.35	1/10	-	-	0.4	198	0.4	15
CAW_08A0	115/1/60	0.9	1/10	-	-	0.9	104	1.2	15
CAW_08D1	208-230/1/60	0.35	1/10	6.52	1.5	6.9	197	8.6	15
CAW_08F1	220-240/1/50	0.35	1/10	6.8	1.56	7.2	198	8.9	15

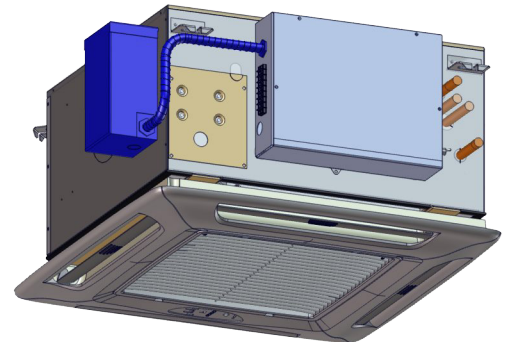


Miscellaneous Technical Data

Indoor Fan Details	High	Low	Vertical Clearance	** 13 5/8" (0.35m) min
Discharge Air Volume [CMF (L/S)]	360 (170)	300 (142)	Ceiling Opening	23 1/4" x 23 1/4" (591 x 591 mm)
			Gross Weight	70 lbs (31.8 kg)
Indoor Sound Levels [dBA]	41	39	Washable Air Filter	1, Mesh, Metal Frame
Supply Water Inlet	*5/8" Ø			80% Arrestance
Return Water Outlet	*5/8" Ø		Condensate Pump Details	
Brand Air Duct Collar	~3" Ø		Lift	Nominal Flow Rate
Fresh Air Duct Collar	5" Ø		30" Max Head	0.1 GPM

* Refrigerant Piping Outside Diameter

** Measured from interior face of drop-ceiling



To: _____
 Date: _____
 From: _____
 Contact: _____

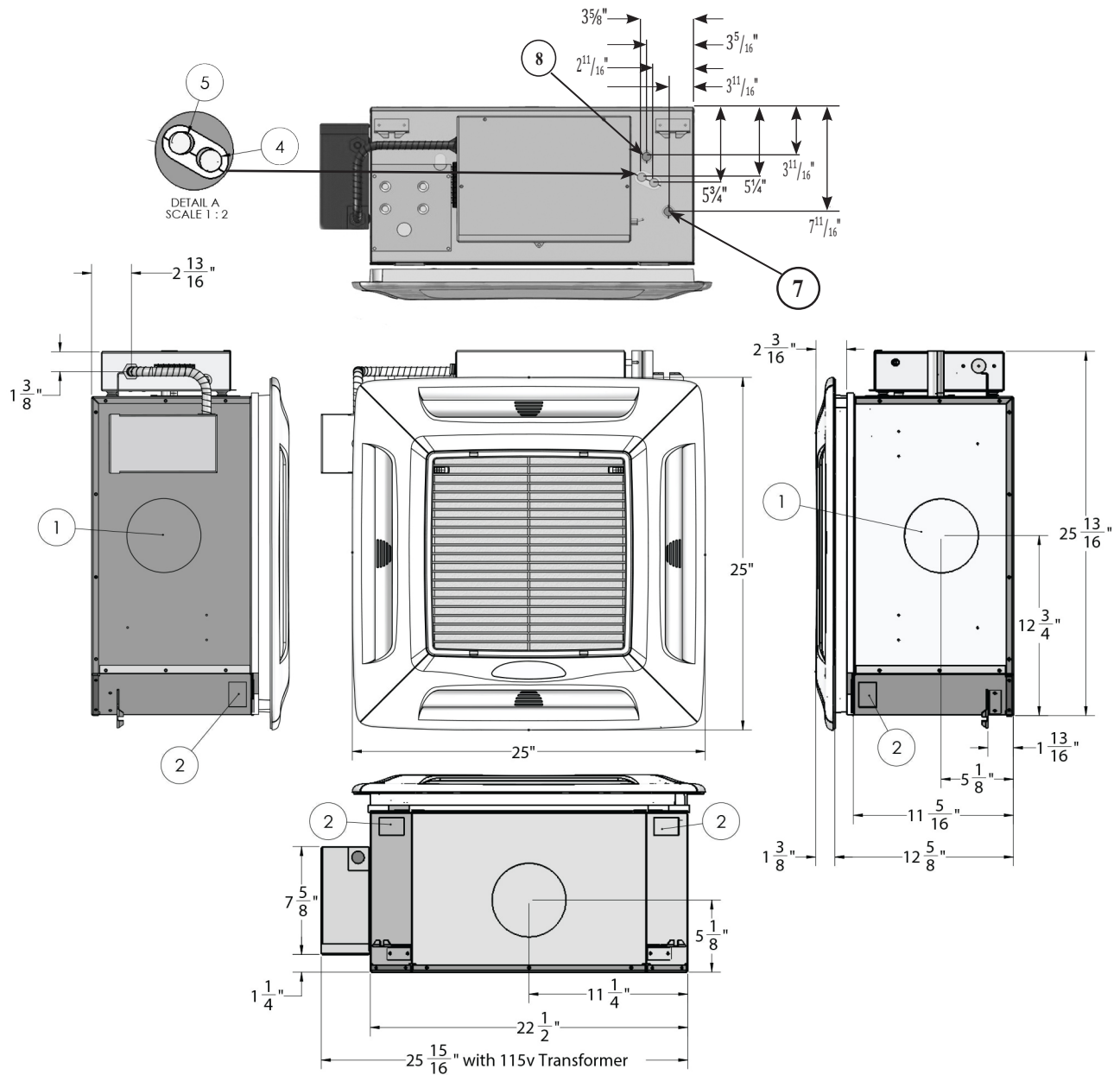
Project: _____
 Customer: _____
 Location: _____
 Engineer: _____
 Unit Tag# _____

For Your: Reference

Approval

Construction

8,000 Btuh Hydronic Fan Coil Ceiling Cassette Air Handler



FEATURES	
1	Optional Discharge Knockouts 5 1/4" Diameter (3 Available)
2	Fresh Air Inlet Knockouts 1 1/4 x 2 1/2 Inches (2 Available)
3	Condensate Discharge 1/2 Inch Diameter
4	Chilled Water "IN" 5/8"
5	Chilled Water "OUT" 5/8"
6	Condensate Pump Access Panel
7	Hot Water "IN"
8	Hot Water "OUT"

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CAW_08 Ceiling Cassette Air Handler Performance Data Tables

Entering Water Temp	CFM		80° F DB / 67° F WB						
	Low	Total Capacity (Btuh)	Sensible Capacity (Btuh)	Water Flow Rate (GPM)	Pressure Drop (Ft)	Leaving Air Temp		Leaving Water Temp (°F)	ΔT (°F)
	High					DB °F	WB °F		
40°F	300	14,300	9,200	4.7	26.4	51.9	51.1	46.0	6.0
	360	16,400	10,800	5.4	34.1	52.8	51.9	46.0	6.0
	300	12,900	8,700	3.2	12.9	53.7	52.8	48.0	8.0
	360	15,000	10,200	3.8	17.7	54.3	53.4	48.0	8.0
	300	11,000	7,900	2.2	6.4	56.0	55.1	50.0	10.0
	360	12,900	9,400	2.6	8.6	56.4	55.4	50.0	10.0
	300	9,100	7,100	1.5	3.2	58.5	57.4	52.0	12.0
	360	10,800	8,400	1.8	4.4	58.7	57.6	52.0	12.0
	300	7,700	6,500	1.1	1.7	60.2	59.0	54.0	14.0
	360	9,100	7,700	1.3	2.4	60.6	59.1	54.0	14.0
41°F	300	13,700	8,900	4.5	24.6	52.9	52.2	47.0	6.0
	360	15,800	10,400	5.2	31.8	54.0	53.1	47.0	6.0
	300	12,300	8,400	3.1	11.9	55.0	53.9	49.0	8.0
	360	14,300	9,800	3.6	16.3	55.5	54.6	49.0	8.0
	300	10,400	7,600	2.1	5.8	57.4	56.5	51.0	10.0
	360	12,100	9,000	2.4	7.8	57.8	56.9	51.0	10.0
	300	8,600	6,800	1.4	2.9	59.5	58.4	53.0	12.0
	360	10,000	8,000	1.7	3.8	59.9	58.9	53.0	12.0
	300	7,800	6,800	1.1	1.8	61.2	60.0	55.0	14.0
	360	8,400	7,400	1.2	2.1	61.6	60.1	55.0	14.0
42°F	300	13,200	8,600	4.4	22.8	54.1	53.4	48.0	6.0
	360	15,100	10,100	5.0	29.5	55.2	54.2	48.0	6.0
	300	11,700	8,100	2.9	10.9	56.1	55.2	50.0	8.0
	360	13,700	9,500	3.5	15.0	56.6	55.8	50.0	8.0
	300	9,800	7,300	2.0	5.2	58.5	57.6	52.0	10.0
	360	11,500	8,700	2.3	7.1	58.9	58.0	52.0	10.0
	300	7,900	6,500	1.3	2.5	60.8	59.8	54.0	12.0
	360	9,600	7,800	1.6	3.5	60.7	59.6	54.0	12.0
	300	7,500	6,700	1.1	1.6	61.8	60.5	56.0	14.0
	360	8,100	7,200	1.2	1.9	62.1	60.6	56.0	14.0
43°F	300	12,000	8,400	3.8	18.1	53.7	53.0	49.0	6.0
	360	14,000	9,900	4.7	26.3	54.0	53.3	49.0	6.0
	300	10,600	7,800	2.7	9.1	55.5	54.7	51.0	8.0
	360	12,400	9,300	3.1	12.3	55.6	54.7	51.0	8.0
	300	9,400	7,300	1.9	5.1	57.1	56.1	53.0	10.0
	360	11,000	8,700	2.2	6.3	57.7	56.7	53.0	10.0
	300	8,300	6,900	1.4	2.8	58.5	57.6	55.0	12.0
	360	9,200	7,900	1.6	3.6	59.5	58.6	55.0	12.0
	300	8,100	6,300	1.2	1.9	58.7	57.6	57.0	14.0
	360	8,500	8,200	1.5	3.3	59.1	57.8	57.0	14.0

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CAW_08 Ceiling Cassette Air Handler Performance Data Tables - Continued

Entering Water Temp	CFM		80° F DB / 67° F WB - Continued						
	Low	Total Capacity (Btuh)	Sensible Capacity (Btuh)	Water Flow Rate (GPM)	Pressure Drop (Ft)	Leaving Air Temp		Leaving Water Temp (°F)	ΔT (°F)
	High					DB °F	WB °F		
44°F	300	11,500	8,200	3.7	16.6	54.8	54.1	50.0	6.0
	360	13,400	9,600	4.5	24.2	55.2	54.5	50.0	6.0
	300	10,100	7,500	2.5	8.3	56.6	55.8	52.0	8.0
	360	11,800	9,000	3.0	11.1	56.8	55.9	52.0	8.0
	300	8,900	7,100	1.8	4.6	58.1	57.1	54.0	10.0
	360	10,400	8,400	2.1	5.7	58.8	57.7	54.0	10.0
	300	7,500	6,600	1.3	2.4	59.6	58.9	56.0	12.0
	360	8,600	7,700	1.5	3.1	60.4	59.5	56.0	12.0
	300	7,200	6,700	1.2	2.0	59.5	58.4	58.0	14.0
	360	8,700	6,900	1.4	2.8	59.9	58.4	58.0	14.0
45°F	300	11,000	7,950	3.5	15.1	55.9	55.2	51.0	6.0
	360	12,800	9,300	4.3	22.1	56.4	55.6	51.0	6.0
	300	9,650	7,350	2.4	7.5	57.7	56.8	53.0	8.0
	360	11,200	8,700	2.8	10.0	58.0	57.0	53.0	8.0
	300	8,350	6,850	1.7	4.0	59.3	58.3	55.0	10.0
	360	9,600	8,100	1.9	4.9	60.0	59.0	55.0	10.0
	300	7,100	6,400	1.2	2.1	60.6	59.6	57.0	12.0
	360	8,300	7,500	1.4	2.8	61.0	60.0	57.0	12.0
	300	7,700	6,500	1.1	1.7	60.2	59.0	59.0	14.0
	360	9,100	7,700	1.3	2.4	60.5	59.1	59.0	14.0
50°F	300	7,600	6,100	2.4	7.6	60.9	60.1	56.0	6.0
	360	9,500	7,700	3.2	12.7	61.9	61.1	56.0	6.0
	300	7,000	6,100	1.8	4.2	62.7	61.7	58.0	8.0
	360	7,900	7,100	2.0	5.2	63.5	62.5	58.0	8.0
	300	5,600	5,600	1.2	1.9	64.4	63.0	60.0	10.0
	360	6,600	6,600	1.3	2.4	64.8	63.3	60.0	10.0
	300	4,300	4,300	0.7	0.7	66.8	63.9	62.0	12.0
	360	5,000	5,000	0.9	0.9	67.2	64.4	62.0	12.0
	300	4,300	4,300	0.6	0.5	67.5	62.5	64.0	14.0
	360	4,600	4,600	0.8	1.0	66.8	62.3	64.0	14.0

Propylene Glycol Solution Corrections (40°F EWT)				
Propylene Glycol %	Capacity Factor	Freezing Point (°F)	Tube Side Pressure Increase = 100% Capacity Factor	GPM Adjustment = 100% Capacity Factor
10%	0.93	26	1.2	1.5
20%	0.83	18	1.5	2.3
30%	0.72	7	2.1	4.3
40%	0.68	-8	3.0	9.0
50%	0.65	-29	4.2	17.1

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CAW_08 Ceiling Cassette Air Handler Performance Data Tables

Entering Water Temp	CFM	75° F DB / 62.55° F WB							
	Low	Total Capacity (Btuh)	Sensible Capacity (Btuh)	Water Flow Rate (GPM)	Pressure Drop (Ft)	Leaving Air Temp		Leaving Water Temp (°F)	ΔT (°F)
	High					DB °F	WB °F		
40°F	300	10,000	7,900	3.2	12.9	50.8	50.1	46.0	6.0
	360	11,600	9,300	3.8	17.8	51.3	50.5	46.0	6.0
	300	8,700	7,400	2.2	6.5	52.4	51.7	48.0	8.0
	360	10,100	8,600	2.5	8.2	53.0	52.1	48.0	8.0
	300	7,600	6,900	1.5	3.2	53.9	53.2	50.0	10.0
	360	9,100	8,000	1.8	4.5	54.2	53.3	50.0	10.0
	300	6,600	6,300	1.1	1.7	55.8	54.3	52.0	12.0
	360	7,800	7,400	1.3	2.4	56.2	54.5	52.0	12.0
	300	5,700	5,500	0.8	0.8	58.2	55.5	54.0	14.0
	360	6,900	6,700	1.0	1.4	58.0	55.4	54.0	14.0
41°F	300	9,400	7,600	3.0	11.7	51.9	51.3	47.0	6.0
	360	11,000	8,900	3.6	16.1	52.4	51.6	47.0	6.0
	300	8,200	7,100	2.1	5.8	53.5	52.8	49.0	8.0
	360	9,500	8,200	2.4	7.4	54.1	53.2	49.0	8.0
	300	7,000	6,600	1.4	2.8	55.0	54.3	51.0	10.0
	360	8,600	8,000	1.7	4.1	54.8	53.9	51.0	10.0
	300	6,100	6,000	1.0	1.5	56.8	55.0	53.0	12.0
	360	7,200	7,100	1.2	2.1	57.2	55.2	53.0	12.0
	300	5,300	5,200	0.7	0.7	59.0	56.1	55.0	14.0
	360	6,500	6,400	0.9	1.3	58.8	55.9	55.0	14.0
42°F	300	9,000	7,300	2.9	10.6	53.0	52.3	48.0	6.0
	360	10,400	8,600	3.4	14.6	53.6	52.8	48.0	6.0
	300	7,700	6,800	1.9	5.2	54.6	53.9	50.0	8.0
	360	8,900	7,900	2.2	6.5	55.4	54.3	50.0	8.0
	300	6,600	6,300	1.3	2.5	55.8	55.1	52.0	10.0
	360	8,100	7,700	1.6	3.6	55.7	54.8	52.0	10.0
	300	5,700	5,800	1.0	1.3	57.4	55.6	54.0	12.0
	360	6,800	6,900	1.1	1.8	57.8	56.0	54.0	12.0
	300	4,500	4,700	0.6	0.5	61.3	57.3	56.0	14.0
	360	6,200	6,100	0.9	1.2	59.6	56.2	56.0	14.0
43°F	300	8,500	7,500	2.8	10.0	51.6	51.2	49.0	6.0
	360	10,100	8,900	3.4	14.2	51.9	51.3	49.0	6.0
	300	7,800	7,000	1.9	5.1	53.3	52.3	51.0	8.0
	360	9,200	8,200	2.4	7.2	53.6	52.4	51.0	8.0
	300	7,000	6,300	1.4	2.9	55.3	53.4	53.0	10.0
	360	8,100	7,500	1.6	3.8	55.4	53.8	53.0	10.0
	300	6,000	5,700	1.0	1.9	57.0	54.9	55.0	12.0
	360	6,800	6,500	1.1	1.9	58.2	55.2	55.0	12.0
	300	6,300	5,800	1.1	1.5	56.0	54.5	57.0	14.0
	360	6,600	6,400	1.1	1.7	56.4	54.7	57.0	14.0

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CAW_08 Ceiling Cassette Air Handler Performance Data Tables - Continued

Entering Water Temp	CFM	75° F DB / 62.55° F WB - Continued							
		Total Capacity (Btuh)	Sensible Capacity (Btuh)	Water Flow Rate (GPM)	Pressure Drop (Ft)	Leaving Air Temp		Leaving Water Temp (°F)	ΔT (°F)
						DB °F	WB °F		
44°F	300	8,100	7,300	2.6	9.0	52.4	52.1	50.0	6.0
	360	9,600	8,600	3.2	12.7	52.8	52.3	50.0	6.0
	300	7,300	6,800	1.8	4.5	54.2	53.3	52.0	8.0
	360	8,600	8,000	2.2	6.2	54.5	53.5	52.0	8.0
	300	6,500	6,100	1.3	2.4	56.5	54.3	54.0	10.0
	360	7,600	7,300	1.5	3.2	56.3	54.5	54.0	10.0
	300	5,700	5,600	1.0	1.6	57.8	55.5	56.0	12.0
	360	6,400	6,300	1.1	1.6	58.9	55.8	56.0	12.0
	300	7,000	6,600	1.0	1.3	56.7	54.8	58.0	14.0
	360	7,300	7,000	1.1	1.5	57.2	55.1	58.0	14.0
45°F	300	7,650	7,100	2.5	8.1	53.4	53.1	51.0	6.0
	360	9,000	8,300	3.0	11.3	53.8	53.3	51.0	6.0
	300	6,900	6,550	1.7	4.0	55.1	54.0	53.0	8.0
	360	8,100	7,700	2.1	5.6	55.4	54.2	53.0	8.0
	300	6,050	5,900	1.2	2.1	57.1	55.0	55.0	10.0
	360	7,100	6,900	1.4	2.9	57.0	55.2	55.0	10.0
	300	5,300	5,300	0.9	1.4	58.8	56.0	57.0	12.0
	360	6,000	6,000	1.0	1.4	60.0	56.3	57.0	12.0
	300	6,100	5,800	0.9	1.1	57.1	55.0	59.0	14.0
	360	6,900	6,700	1.0	1.4	58.0	55.4	59.0	14.0
50°F	300	5,900	5,400	1.8	4.3	57.8	57.3	56.0	6.0
	360	6,800	6,300	2.1	5.8	58.5	57.8	56.0	6.0
	300	5,200	4,600	1.2	1.9	59.9	58.0	58.0	8.0
	360	6,200	5,500	1.4	2.6	60.1	58.0	58.0	8.0
	300	4,500	4,200	0.8	1.0	62.1	57.6	60.0	10.0
	360	5,400	4,900	1.0	1.3	62.0	58.0	60.0	10.0
	300	3,400	3,200	0.6	0.5	65.4	58.7	62.0	12.0
	360	4,100	3,900	0.7	0.7	65.9	58.8	62.0	12.0
	300	3,200	3,200	0.7	0.7	61.7	56.7	64.0	14.0
	360	4,000	3,700	0.7	0.8	62.6	57.3	64.0	14.0

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CAW_08 Ceiling Cassette Air Handler Performance Data Tables

Entering Water Temp	CFM		72° F DB / 60.1° F WB						
	Low	Total Capacity (Btuh)	Sensible Capacity (Btuh)	Water Flow Rate (GPM)	Pressure Drop (Ft)	Leaving Air Temp		Leaving Water Temp (°F)	ΔT (°F)
	High					DB °F	WB °F		
40°F	300	8,600	7,200	2.8	10.1	50.0	49.5	46.0	6.0
	360	10,000	8,500	3.3	13.7	50.4	59.8	46.0	6.0
	300	7,400	6,700	1.8	4.5	51.4	51.0	48.0	8.0
	360	8,800	7,800	2.2	6.5	52.0	51.2	48.0	8.0
	300	6,500	6,200	1.3	2.4	53.1	52.1	50.0	10.0
	360	7,700	7,300	1.5	3.3	53.7	52.4	50.0	10.0
	300	5,800	5,600	1.0	1.4	54.8	53.0	52.0	12.0
	360	6,600	6,400	1.1	1.7	55.7	53.4	52.0	12.0
	300	4,200	4,200	0.6	0.5	59.0	55.0	54.0	14.0
	360	5,500	5,500	0.8	0.8	57.9	54.6	54.0	14.0
41°F	300	8,300	6,800	2.6	9.1	50.9	50.5	47.0	6.0
	360	9,600	8,000	3.1	12.3	51.4	61.1	47.0	6.0
	300	7,100	6,200	1.7	4.0	52.5	52.0	49.0	8.0
	360	8,500	7,300	2.1	5.9	52.8	52.1	49.0	8.0
	300	6,200	5,800	1.2	2.1	54.1	52.8	51.0	10.0
	360	7,400	6,800	1.4	2.9	54.6	53.1	51.0	10.0
	300	5,500	5,200	0.9	1.2	55.6	53.7	53.0	12.0
	360	6,300	5,900	1.0	1.5	56.6	54.1	53.0	12.0
	300	3,900	4,000	0.6	0.5	59.8	55.4	55.0	14.0
	360	5,200	5,100	0.8	0.7	58.7	55.0	55.0	14.0
42°F	300	8,000	6,400	2.5	8.2	51.9	51.5	48.0	6.0
	360	9,200	7,500	2.9	10.9	52.5	62.5	48.0	6.0
	300	5,800	5,900	1.6	3.5	53.4	52.8	50.0	8.0
	360	8,100	6,800	1.9	5.1	53.9	53.0	50.0	8.0
	300	6,000	5,400	1.1	1.8	54.7	53.5	52.0	10.0
	360	7,100	6,300	1.3	2.5	55.3	53.9	52.0	10.0
	300	5,200	4,800	0.9	1.0	56.7	54.2	54.0	12.0
	360	5,800	5,200	0.9	1.2	58.3	55.1	54.0	12.0
	300	3,700	3,700	0.5	0.4	60.9	55.8	56.0	14.0
	360	4,900	4,900	0.7	0.7	59.6	55.3	56.0	14.0
43°F	300	7,100	7,100	2.5	8.1	51.0	50.4	49.0	6.0
	360	8,300	8,400	3.0	11.1	51.3	50.4	49.0	6.0
	300	6,400	6,800	1.8	4.3	52.5	51.2	51.0	8.0
	360	7,300	7,800	2.0	5.4	52.9	51.8	51.0	8.0
	300	5,400	5,700	1.1	1.8	55.0	53.0	53.0	10.0
	360	6,300	6,700	1.4	2.6	55.5	53.0	53.0	10.0
	300	4,400	4,500	0.8	0.6	57.6	54.3	55.0	12.0
	360	5,300	5,400	0.9	1.0	57.9	54.5	55.0	12.0
	300	3,700	3,700	0.6	0.4	60.2	55.4	57.0	14.0
	360	3,800	3,800	0.6	0.4	61.4	55.9	57.0	14.0

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CAW_08 Ceiling Cassette Air Handler Performance Data Tables - Continued

Entering Water Temp	CFM	72° F DB / 60.1° F WB - Continued							
		Total Capacity (Btuh)	Sensible Capacity (Btuh)	Water Flow Rate (GPM)	Pressure Drop (Ft)	Leaving Air Temp		Leaving Water Temp (°F)	ΔT (°F)
	Low					High	DB °F		
44°F	300	6,900	6,800	2.3	7.2	51.8	51.2	50.0	6.0
	360	8,100	8,000	2.8	9.9	52.1	51.4	50.0	6.0
	300	6,200	6,200	1.6	3.6	53.6	52.2	52.0	8.0
	360	7,100	7,000	1.8	4.7	53.9	52.5	52.0	8.0
	300	5,200	5,200	1.1	1.6	55.9	53.6	54.0	10.0
	360	6,100	6,100	1.3	2.2	56.3	53.7	54.0	10.0
	300	3,800	3,800	0.6	0.4	60.1	55.4	56.0	12.0
	360	5,100	5,100	0.9	0.9	59.0	55.0	56.0	12.0
	300	3,500	3,500	0.5	0.3	61.1	55.7	58.0	14.0
	360	3,600	3,600	0.5	0.3	62.3	56.3	58.0	14.0
45°F	300	6,650	6,350	2.2	6.4	52.7	52.0	51.0	6.0
	360	7,800	7,460	2.6	8.7	53.1	52.2	51.0	6.0
	300	5,950	5,800	1.5	3.1	54.4	52.9	53.0	8.0
	360	6,850	6,850	1.7	4.0	54.6	53.2	53.0	8.0
	300	5,000	5,000	1.0	1.4	56.7	54.1	55.0	10.0
	360	5,850	5,850	1.2	2.0	57.1	54.2	55.0	10.0
	300	3,600	3,600	0.6	0.4	61.0	55.8	57.0	12.0
	360	4,750	4,750	0.8	0.8	59.9	55.3	57.0	12.0
	300	3,300	3,300	0.5	0.3	61.9	56.1	59.0	14.0
	360	3,400	3,400	0.5	0.3	63.3	56.6	59.0	14.0
50°F	300	5,100	4,600	1.5	3.2	57.1	55.7	56.0	6.0
	360	6,000	5,300	1.8	4.3	57.7	56.0	56.0	6.0
	300	4,300	4,100	1.0	1.5	59.8	55.8	58.0	8.0
	360	5,200	4,800	1.2	1.9	59.7	55.9	58.0	8.0
	300	3,000	2,900	0.6	0.5	63.9	57.1	60.0	10.0
	360	3,800	3,700	0.8	0.8	63.9	57.0	60.0	10.0
	300	2,400	2,400	0.4	0.2	65.5	57.5	62.0	12.0
	360	3,200	3,200	0.6	0.5	64.7	57.1	62.0	12.0
	300	2,100	2,100	0.3	0.2	66.1	57.6	64.0	14.0
	360	2,300	2,200	0.3	0.2	68.0	58.3	64.0	14.0

CAW HOT WATER 4-PIPE CASSETTE CAPACITIES HOT WATER ENTERING TEMPERATURE 180°F

Model	Room Conditions	Heating Capacity Btuh	Water Flow GPM	Leaving Water Temperature	P.D. Ft. H ₂ O
CAW_08	70 °F DB	13,300	1.4	160 °F	2.8
	50% RH	10,000	0.5	*140 °F	0.5

* 140°F Leaving water temperature data is in accordance with ANSI/AHRI Standard 440-2008



ECR International, Inc.

2201 Dwyer Avenue • Utica, New York 13501

Phone: 800.325.5479 • Fax: 866.432.7329

E-Mail: emi@enviromaster.com • Web: enviromaster.com

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