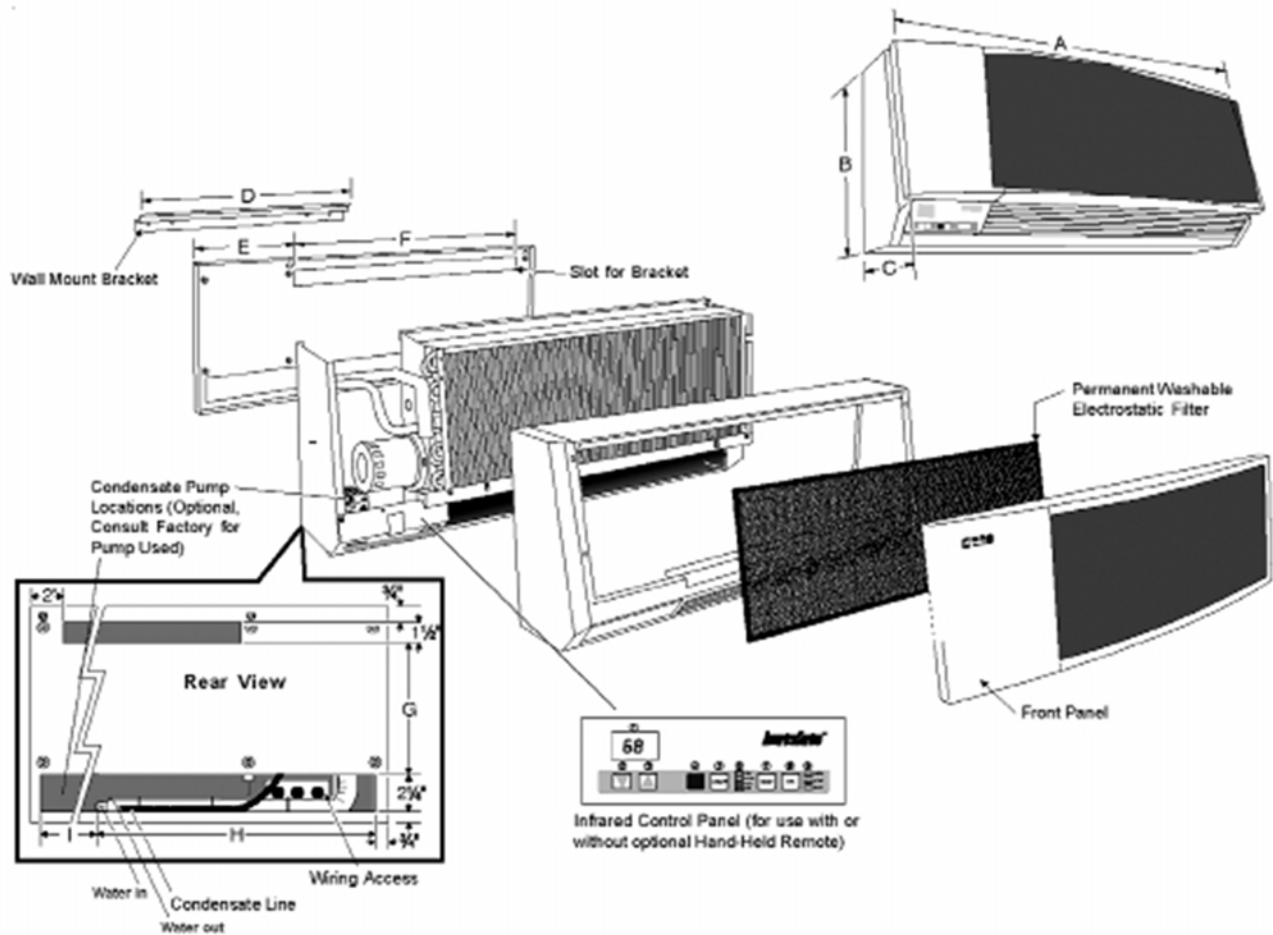


WCP Air Handler Dimensions (3 Chassis Sizes)



Dim	Model	Inches	mm	Dim	Model	Inches	mm	Dim	Model	Inches	mm	Dim	Model	Inches	mm
A	WCP12	36 1/2	927	D	WCP12	22	559	F	WCP12	24 1/2	622	I	WCP12	16	407
	WCP18	47 1/2	1207		WCP18	32	813		WCP18	34 1/2	876		WCP18	27	686
	WCP30	57 1/2	1461		WCP30	42	1067		WCP30	44 1/2	1130		WCP30	28	711
B	All	14 1/2	369	E	WCP12	9	229	H	WCP12	18	457	Shipping	WCP12	85 lb	39 kg
C	All	10 3/4	273		WCP18	10	254		WCP18	18	457		WCP18	115 lb	53 kg
G	All	8	203		WCP30	10	254		WCP30	27	686		WCP30	115 lb	53 kg

WCP Electrical Specifications										
Model #	Volts/Ph/Hz	Fan Motor		Elec Heat		Total Amps	Min Volt.	MCA	HACR BRKR	
		Amps	HP	Amps	kW					
WCP12A0	115/1/60	0.64	0.03	-	-	0.64	104	0.8	15	
WCP12A3	115/1/60	0.64	0.03	6.5	0.75	7.1	104	8.9	15	
WCP12D0	208-230/1/60	0.34	0.02	-	-	0.34	197	0.43	15	
WCP12D3	208-230/1/60	0.34	0.02	13.1	3.0	13.5	197	16.8	20	
WCP18A0	115/1/60	1.2	0.083	-	-	1.2	104	1.5	15	
WCP18A3	115/1/60	1.2	0.083	6.5	0.75	7.7	104	9.6	15	
WCP18D0	208-230/1/60	0.56	0.07	-	-	0.56	197	0.7	15	
WCP18D3	208-230/1/60	0.56	0.07	13.1	3.0	13.6	197	17	20	
WCP30A0	115/1/60	1.2	0.083	-	-	1.2	104	1.5	15	
WCP30A5	115/1/60	1.2	0.083	10.9	1.25	12.1	104	15.1	20	
WCP30D0	208-230/1/60	0.56	0.07	-	-	0.56	197	0.7	15	
WCP30D5	208-230/1/60	0.56	0.07	21.7	5.0	22.3	197	27.9	30	

- | Factory Installed Features |
|--|
| <ul style="list-style-type: none"> • Relays and connections for supply water • Low-voltage transformer • Auto/high/low fan operation • Optional unit-mounted digital controls <ul style="list-style-type: none"> -Large 3/4" LCD display -Anti-short cycle protection -Fan purge (fan remains on for 60s after heat/cool call dropped for improved efficiency) |

Miscellaneous Technical Data						
Model	CFM	FPM	Throw	dBA	H ₂ O Conn.	Cond. Drain
WCP12	310	960	16ft	48	1/2" ID	1/2" ID
WCP18	600	1412	26ft	51	5/8" ID	1/2" ID
WCP30	750	1400	25ft	54	5/8" ID	1/2" ID
* Dry Coil @ 230v on High Fan speed						

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WCP12D High-Wall 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	270	16,000	13,300	5.3	17.6	45.1	45.1	46.0	6.0
	310	18,900	15,800	6.3	24.5	45.7	45.7	46.0	6.0
	270	14,600	12,400	3.7	8.8	47.6	47.6	48.0	8.0
	310	17,300	14,800	4.4	12.1	47.9	47.9	48.0	8.0
	270	13,100	11,500	2.7	4.7	50.1	50.1	50.0	10.0
	310	15,000	13,400	3.0	6.1	50.7	50.7	50.0	10.0
	270	11,600	10,700	2.0	2.6	52.4	52.4	52.0	12.0
	310	13,700	12,600	2.3	3.7	52.6	52.6	52.0	12.0
	270	10,000	9,700	1.5	1.4	54.7	54.7	54.0	14.0
	310	11,600	9,700	1.7	1.9	54.9	54.9	54.0	14.0
41°F	270	15,300	12,800	5.1	16.4	46.0	46.1	47.0	6.0
	310	17,800	15,300	6.1	22.9	46.7	46.7	47.0	6.0
	270	13,900	11,900	3.5	8.1	48.7	48.6	49.0	8.0
	310	16,500	14,300	4.2	11.2	48.9	48.9	49.0	8.0
	270	12,300	11,000	2.5	4.3	51.3	51.3	51.0	10.0
	310	14,200	12,900	2.8	5.3	51.9	52.0	51.0	10.0
	270	10,900	10,200	1.9	2.3	53.3	53.3	53.0	12.0
	310	12,700	12,000	2.1	3.2	53.7	53.8	53.0	12.0
	270	10,200	10,300	1.5	1.4	55.6	55.6	55.0	14.0
	310	11,100	9,000	1.6	1.7	55.8	55.8	55.0	14.0
42°F	270	14,700	12,500	4.9	15.2	47.0	47.1	48.0	6.0
	310	17,500	14,900	5.9	21.2	47.7	47.7	48.0	6.0
	270	13,300	11,600	3.4	7.4	49.7	49.7	50.0	8.0
	310	15,800	13,700	4.0	10.2	49.9	50.0	50.0	8.0
	270	11,700	10,700	2.4	3.9	52.3	52.3	52.0	10.0
	310	13,500	12,500	2.7	4.8	53.0	53.1	52.0	10.0
	270	10,100	9,700	1.7	2.0	54.5	54.6	54.0	12.0
	310	12,200	11,700	2.1	2.9	54.4	54.4	54.0	12.0
	270	10,000	10,000	1.4	1.3	56.2	56.1	56.0	14.0
	310	10,900	8,600	1.5	1.5	56.3	56.3	56.0	14.0
43°F	270	13,200	8,600	3.5	8.3	53.7	53.7	49.0	6.0
	310	15,500	10,300	4.3	11.8	54.1	54.1	49.0	6.0
	270	11,800	8,000	2.4	4.0	55.8	55.7	51.0	8.0
	310	14,100	9,600	2.8	5.4	56.2	56.2	51.0	8.0
	270	10,700	7,500	1.6	2.0	57.9	57.9	53.0	10.0
	310	12,700	8,900	1.8	2.2	58.2	58.2	53.0	10.0
	270	9,500	7,100	1.1	0.9	59.9	59.8	55.0	12.0
	310	10,900	8,200	1.5	1.4	59.2	59.1	55.0	12.0
	270	7,000	5,700	0.9	0.5	61.9	61.6	57.0	14.0
	310	9,700	7,500	1.0	0.6	61.3	60.8	57.0	14.0

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WCP12D High-Wall 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	270	12,500	8,400	4.1	11.0	50.5	50.5	50.0	6.0
	310	14,800	9,900	4.9	15.4	50.6	50.7	50.0	6.0
	270	11,300	7,800	2.8	5.3	52.6	52.7	52.0	8.0
	310	13,400	9,300	3.3	7.3	52.8	52.9	52.0	8.0
	270	10,100	7,200	2.0	2.9	54.7	54.7	54.0	10.0
	310	12,000	8,600	2.4	3.9	54.9	54.8	54.0	10.0
	270	8,600	6,700	1.4	1.3	56.9	57.1	56.0	12.0
	310	10,200	8,000	1.7	2.0	57.1	57.2	56.0	12.0
	270	7,100	6,000	1.0	0.7	59.6	59.5	58.0	14.0
	310	9,000	7,300	1.3	1.0	59.2	58.8	58.0	14.0
45°F	270	12,000	8,100	3.9	10.0	51.6	51.6	51.0	6.0
	310	14,200	9,700	4.7	14.0	51.8	51.8	51.0	6.0
	270	10,700	7,500	2.6	4.8	53.6	53.6	53.0	8.0
	310	12,700	8,900	3.1	6.6	53.9	53.9	53.0	8.0
	270	9,400	7,000	1.9	2.5	55.8	55.8	55.0	10.0
	310	10,700	8,200	2.1	3.1	56.0	56.0	55.0	10.0
	270	8,200	6,500	1.3	1.2	57.9	57.9	57.0	12.0
	310	9,800	7,800	1.6	1.8	57.8	57.8	57.0	12.0
	270	6,700	5,800	0.9	0.6	60.3	60.1	59.0	14.0
	310	8,400	7,100	1.2	0.9	59.8	59.5	59.0	14.0
50°F	270	8,200	6,200	2.7	5.0	56.2	56.2	56.0	6.0
	310	10,500	8,000	3.5	8.1	56.9	56.9	56.0	6.0
	270	7,800	6,300	1.9	2.7	58.3	58.3	58.0	8.0
	310	9,000	7,400	2.2	3.4	59.0	59.2	58.0	8.0
	270	6,400	5,700	1.3	1.2	60.6	60.3	60.0	10.0
	310	7,700	6,800	1.5	1.6	60.5	60.1	60.0	10.0
	270	5,000	4,800	0.8	0.4	63.8	62.0	62.0	12.0
	310	5,900	5,700	1.0	0.6	63.6	62.0	62.0	12.0
	270	3,700	3,700	0.5	0.2	67.6	63.7	64.0	14.0
	310	5,200	5,000	0.7	0.4	66.1	62.7	64.0	14.0

WCP12D Propylene Glycol Solution Corrections (40°F EWT)				
Propylene Glycol %	Capacity Factor	Freezing Point (°F)	Tubeside Pressure Increase = 100% Capacity Factor	GPM Adjustment = 100% Capacity Factor
10%	0.93	26	1.6	1.3
20%	0.83	18	2.3	1.6
30%	0.72	7	4.3	2.3
40%	0.68	-8	8.3	3.2
50%	0.66	-29	18.5	4.4

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WCP12D High-Wall Air Handler Performance Data Tables - Continued

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	270	11,000	8,200	3.9	9.2	46.5	46.4	46.0	6.0
	310	13,000	9,700	4.5	12.4	47.0	46.9	46.0	6.0
	270	9,900	7,600	2.6	4.3	48.7	48.6	48.0	8.0
	310	11,600	9,000	3.0	5.8	49.0	48.9	48.0	8.0
	270	8,800	7,100	1.8	2.2	50.7	50.6	50.0	10.0
	310	10,200	8,200	2.1	3.0	50.9	50.8	50.0	10.0
	270	7,700	6,600	1.3	1.0	52.6	52.5	52.0	12.0
	310	9,200	8,000	1.6	1.6	52.7	52.6	52.0	12.0
	270	6,500	6,000	1.0	0.6	55.0	54.4	54.0	14.0
	310	7,200	6,900	1.1	0.7	56.1	55.2	54.0	14.0
41°F	270	10,400	7,900	3.7	8.4	47.6	47.6	47.0	6.0
	310	12,300	9,300	4.3	11.3	48.0	47.9	47.0	6.0
	270	9,300	7,300	2.5	3.9	49.8	49.7	49.0	8.0
	310	10,900	8,700	2.9	5.2	50.1	50.0	49.0	8.0
	270	8,100	6,800	1.7	1.9	51.7	51.6	51.0	10.0
	310	9,900	8,200	2.1	2.9	51.5	51.4	51.0	10.0
	270	7,100	6,300	1.3	0.9	53.5	53.2	53.0	12.0
	310	8,500	7,600	1.5	1.3	53.6	53.3	53.0	12.0
	270	6,000	5,700	0.9	0.5	55.7	55.0	55.0	14.0
	310	6,800	6,500	1.0	0.6	56.9	55.7	55.0	14.0
42°F	270	9,900	7,600	3.5	7.5	48.6	48.5	48.0	6.0
	310	11,700	9,000	4.1	10.2	49.0	49.0	48.0	6.0
	270	8,800	7,100	2.3	3.5	50.8	50.7	50.0	8.0
	310	10,300	8,400	2.7	4.6	51.2	51.0	50.0	8.0
	270	7,600	6,600	1.6	1.7	52.5	52.4	52.0	10.0
	310	9,200	7,900	2.0	2.5	52.3	52.2	52.0	10.0
	270	6,700	6,200	1.2	0.8	54.1	53.8	54.0	12.0
	310	8,000	7,400	1.4	1.2	54.2	54.0	54.0	12.0
	270	5,100	5,100	0.8	0.4	57.8	56.2	56.0	14.0
	310	6,500	6,300	1.0	0.6	57.6	56.0	56.0	14.0
43°F	270	9,500	7,300	2.4	4.0	53.1	52.5	49.0	6.0
	310	11,400	8,800	2.9	5.6	53.3	52.7	49.0	6.0
	270	8,700	6,900	1.7	2.0	54.4	53.6	51.0	8.0
	310	10,300	8,300	1.9	2.7	54.6	53.9	51.0	8.0
	270	7,800	6,600	1.2	0.8	56.1	55.2	53.0	10.0
	310	9,100	7,700	1.2	1.0	56.2	55.5	53.0	10.0
	270	6,300	5,800	0.8	0.4	59.1	56.4	55.0	12.0
	310	7,800	7,100	1.0	0.6	58.6	56.2	55.0	12.0
	270	6,100	5,800	0.6	0.3	59.8	56.5	57.0	14.0
	310	6,400	6,200	0.7	0.3	61.4	57.3	57.0	14.0

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WCP12D High-Wall Air Handler Performance Data Tables - Continued

Entering Water Temp	CFM	75°F DB / 62.55°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	270	9,000	7,100	2.8	5.6	50.4	49.7	50.0	6.0
	310	10,700	8,500	3.4	8.0	50.5	49.8	50.0	6.0
	270	8,100	6,700	2.0	2.9	51.8	51.2	52.0	8.0
	310	9,600	8,000	2.3	3.9	52.0	51.5	52.0	8.0
	270	7,100	6,200	1.4	1.3	53.8	52.9	54.0	10.0
	310	8,400	7,400	1.7	1.9	53.9	53.4	54.0	10.0
	270	5,900	5,600	1.0	0.6	56.3	54.8	56.0	12.0
	310	7,200	6,800	1.2	0.9	55.9	54.6	56.0	12.0
	270	5,900	5,500	0.8	0.5	58.2	55.8	58.0	14.0
	310	6,000	5,800	0.8	0.4	59.0	56.3	58.0	14.0
45°F	270	8,500	6,900	2.7	5.0	51.3	50.6	51.0	6.0
	310	10,100	8,200	3.2	7.1	51.4	50.7	51.0	6.0
	270	7,700	6,500	1.9	2.6	52.6	52.0	53.0	8.0
	310	9,100	7,700	2.2	3.5	52.8	52.2	53.0	8.0
	270	6,700	6,100	1.3	1.1	54.4	53.6	55.0	10.0
	310	7,600	6,900	1.5	1.5	54.6	54.1	55.0	10.0
	270	5,600	5,300	0.9	0.5	57.3	55.3	57.0	12.0
	310	6,800	6,500	1.1	0.8	56.9	55.1	57.0	12.0
	270	5,100	4,900	0.7	0.4	58.6	56.0	59.0	14.0
	310	5,700	5,600	0.8	0.4	59.8	56.6	59.0	14.0
50°F	270	6,000	5,800	1.9	2.6	55.5	54.6	56.0	6.0
	310	7,100	6,800	2.3	3.6	55.8	55.0	56.0	6.0
	270	5,100	5,100	1.3	1.3	57.2	55.8	58.0	8.0
	310	6,200	6,200	1.5	1.6	57.3	55.8	58.0	8.0
	270	4,700	4,600	0.9	0.5	59.2	56.2	60.0	10.0
	310	5,500	5,500	1.1	0.7	59.4	56.8	60.0	10.0
	270	3,400	3,400	0.6	0.2	63.7	58.0	62.0	12.0
	310	4,500	4,500	0.7	0.4	62.5	57.6	62.0	12.0
	270	3,800	3,600	0.5	0.3	63.3	57.8	64.0	14.0
	310	3,900	3,900	0.5	0.2	64.5	58.5	64.0	14.0

WCP12D Propylene Glycol Solution Corrections (44°F EWT)				
Propylene Glycol %	Capacity Factor	Freezing Point (°F)	Tubeside Pressure Increase = 100% Capacity Factor	GPM Adjustment = 100% Capacity Factor
10%	0.92	26	1.54	1.25
20%	0.83	18	2.36	1.58
30%	0.74	7	4.29	2.17
40%	0.70	-8	8.00	2.82
50%	0.68	-29	17.47	3.80

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WCP12D High-Wall Air Handler Performance Data Tables - Continued

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	270	9,600	7,300	3.2	6.8	46.4	46.2	46.0	6.0
	310	11,400	8,700	3.8	9.8	46.6	46.4	46.0	6.0
	270	8,400	6,700	2.1	3.3	48.4	48.2	48.0	8.0
	310	10,000	8,000	2.5	4.4	48.5	48.4	48.0	8.0
	270	7,400	6,300	1.5	1.5	50.1	49.9	50.0	10.0
	310	8,500	7,300	1.7	2.00	50.30	50	50.0	10.0
	270	6,100	5,600	1.1	0.7	52.9	52.4	52.0	12.0
	310	7,700	6,900	1.3	1.1	52.3	51.7	52.0	12.0
	270	5,600	5,200	0.7	0.5	54.2	53.1	54.0	14.0
	310	6,300	6,000	0.9	0.5	55.3	54.0	54.0	14.0
41°F	270	9,200	6,900	3.0	6.2	47.2	47.1	47.0	6.0
	310	11,000	8,200	3.6	8.8	47.5	47.4	47.0	6.0
	270	8,000	6,200	2.0	2.9	49.5	49.2	49.0	8.0
	310	9,700	7,500	2.4	4.0	49.3	49.2	49.0	8.0
	270	7,100	5,900	1.4	1.3	51.0	50.6	51.0	10.0
	310	8,500	7,100	1.7	1.9	51.1	50.8	51.0	10.0
	270	5,700	5,200	1.0	0.6	53.7	53.1	53.0	12.0
	310	7,400	6,400	1.2	0.9	53.1	52.4	53.0	12.0
	270	5,300	5,000	0.7	0.5	55.0	53.5	55.0	14.0
	310	6,000	5,600	0.8	0.5	56.1	54.4	55.0	14.0
42°F	270	8,900	6,500	2.8	5.5	48.1	48.0	48.0	6.0
	310	10,500	7,600	3.4	7.8	48.6	48.5	48.0	6.0
	270	7,800	5,900	1.9	2.6	50.3	50.0	50.0	8.0
	310	9,300	7,100	2.2	3.5	50.3	50.1	50.0	8.0
	270	6,900	5,500	1.3	1.1	51.6	51.2	52.0	10.0
	310	8,300	6,600	1.6	1.6	51.8	51.5	52.0	10.0
	270	5,500	4,800	0.9	0.5	54.7	53.6	54.0	12.0
	310	6,700	5,700	1.1	0.7	54.7	53.4	54.0	12.0
	270	4,900	4,600	0.6	0.4	56.0	53.9	56.0	14.0
	310	5,700	5,300	0.8	0.4	56.9	54.7	56.0	14.0
43°F	270	8,100	7,100	2.1	3.5	51.8	51.2	49.0	6.0
	310	9,600	8,600	2.5	4.6	52.1	51.6	49.0	6.0
	270	7,100	6,900	1.3	1.2	53.7	53.0	51.0	8.0
	310	8,300	8,000	1.6	2.0	53.6	52.8	51.0	8.0
	270	6,000	5,900	0.9	0.6	55.7	53.9	53.0	10.0
	310	7,200	7,200	1.0	0.6	55.5	54.0	53.0	10.0
	270	6,000	5,900	0.6	0.3	59.6	55.3	55.0	12.0
	310	6,200	6,200	0.8	0.4	58.9	55.0	55.0	12.0
	270	5,100	4,900	0.6	0.3	59.3	55.1	57.0	14.0
	310	5,200	5,200	0.6	0.3	61.4	56.1	57.0	14.0

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WCP12D High-Wall Air Handler Performance Data Tables - Continued

Entering Water Temp	CFM	72°F DB / 60.1°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	270	7,800	6,700	2.6	5.0	49.3	48.9	50.0	6.0
	310	9,300	8,100	3.0	6.7	49.4	49.1	50.0	6.0
	270	6,700	6,400	1.6	1.9	51.0	50.6	52.0	8.0
	310	8,100	7,500	2.0	3.1	51.3	50.7	52.0	8.0
	270	5,800	5,600	1.1	0.9	53.3	52.3	54.0	10.0
	310	7,000	6,700	1.4	1.4	53.2	52.3	54.0	10.0
	270	5,100	5,000	0.9	0.5	55.4	53.4	56.0	12.0
	310	5,900	5,800	0.9	0.6	56.1	53.9	56.0	12.0
	270	4,800	4,600	0.7	0.4	56.8	54.0	58.0	14.0
	310	4,900	4,800	0.7	0.4	58.6	55.1	58.0	14.0
45°F	270	7,600	6,400	2.4	4.4	50.1	49.7	51.0	6.0
	310	8,900	7,600	2.8	5.9	50.3	49.9	51.0	6.0
	270	6,600	5,900	1.5	1.7	51.9	51.3	53.0	8.0
	310	7,800	7,000	1.8	2.7	52.0	51.4	53.0	8.0
	270	5,600	5,300	1.0	0.8	54.1	52.8	55.0	10.0
	310	6,300	6,100	1.2	1.0	54.0	52.8	55.0	10.0
	270	4,900	4,700	0.8	0.4	56.3	53.8	57.0	12.0
	310	5,500	5,400	0.9	0.6	57.0	54.2	57.0	12.0
	270	4,500	4,300	0.6	0.3	57.6	54.4	59.0	14.0
	310	4,600	4,600	0.6	0.3	59.5	55.4	59.0	14.0
50°F	270	5,200	5,200	1.7	2.2	54.3	53.2	56.0	6.0
	310	6,100	6,200	1.9	2.9	54.7	53.5	56.0	6.0
	270	4,500	4,400	1.1	0.8	57.0	54.1	58.0	8.0
	310	5,500	5,300	1.3	1.3	56.8	54.0	58.0	8.0
	270	3,300	3,100	0.6	0.3	61.0	55.7	60.0	10.0
	310	4,300	4,100	0.8	0.5	60.4	55.5	60.0	10.0
	270	3,200	3,200	0.5	0.2	60.4	55.5	62.0	12.0
	310	3,700	3,700	0.6	0.3	61.5	56.0	62.0	12.0
	270	2,900	2,800	0.4	0.2	61.5	55.9	64.0	14.0
	310	3,000	3,000	0.4	0.2	64.0	57.1	64.0	14.0

WCP12D Propylene Glycol Solution Corrections (50°F EWT)				
Propylene Glycol %	Capacity Factor	Freezing Point (°F)	Tubeside Pressure Increase = 100% Capacity Factor	GPM Adjustment = 100% Capacity Factor
10%	0.92	26	1.55	1.25
20%	0.80	18	2.26	1.33
30%	0.81	7	3.77	1.47
40%	0.79	-8	6.77	1.74
50%	0.78	-29	14.84	2.37

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WCP18D High-Wall 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	560	28,800	18,100	9.6	61.0	46.5	46.4	46.0	6.0
	600	34,000	21,600	11.4	84.8	47.0	46.9	46.0	6.0
	560	26,200	16,900	6.6	30.5	49.0	48.9	48.0	8.0
	600	31,100	20,200	7.9	41.8	49.3	49.2	48.0	8.0
	560	23,500	15,600	4.8	16.4	51.6	51.5	50.0	10.0
	600	27,000	18,300	5.4	21.1	52.2	52.1	50.0	10.0
	560	20,900	14,500	3.5	9.0	54.0	53.9	52.0	12.0
	600	24,700	17,200	4.2	12.7	54.2	54.1	52.0	12.0
	560	18,000	13,300	2.6	4.7	56.4	56.3	54.0	14.0
	600	17,400	15,800	3.1	6.6	56.6	56.5	54.0	14.0
41°F	560	27,600	17,500	9.2	56.8	47.4	47.4	47.0	6.0
	600	32,000	21,000	11.0	79.1	48.1	48.0	47.0	6.0
	560	25,000	16,300	6.4	28.1	50.1	49.9	49.0	8.0
	600	29,700	19,600	7.5	38.6	50.3	50.3	49.0	8.0
	560	22,100	15,000	4.5	14.8	52.8	52.7	51.0	10.0
	600	25,600	17,700	5.1	18.4	53.5	53.5	51.0	10.0
	560	19,700	13,900	3.4	8.1	54.9	54.8	53.0	12.0
	600	22,900	16,400	3.9	11.0	55.3	55.3	53.0	12.0
	560	18,300	14,100	2.7	4.9	57.3	57.2	55.0	14.0
	600	16,200	15,200	2.9	5.7	57.5	57.4	55.0	14.0
42°F	560	26,500	17,000	8.9	52.6	48.4	48.4	48.0	6.0
	600	31,400	20,300	10.6	73.2	49.1	49.0	48.0	6.0
	560	23,900	15,800	6.1	25.7	51.2	51.1	50.0	8.0
	600	28,400	18,800	7.2	35.4	51.4	51.4	50.0	8.0
	560	21,100	14,500	4.3	13.4	53.9	53.8	52.0	10.0
	600	24,300	17,000	4.8	16.7	54.5	54.5	52.0	10.0
	560	18,200	13,300	3.1	7.0	56.1	56.1	54.0	12.0
	600	22,000	16,000	3.7	10.0	56.0	55.9	54.0	12.0
	560	17,500	13,600	2.6	4.5	57.9	57.7	56.0	14.0
	600	15,600	14,900	2.8	5.3	58.0	57.9	56.0	14.0
43°F	560	25,800	16,600	7.1	35.1	53.7	53.5	49.0	6.0
	600	30,500	19,800	8.5	49.7	54.1	53.9	49.0	6.0
	560	23,200	15,500	4.8	16.8	55.8	55.5	51.0	8.0
	600	27,700	18,500	5.6	22.7	56.2	56.0	51.0	8.0
	560	21,000	14,400	3.3	8.4	57.9	57.7	53.0	10.0
	600	24,900	17,200	3.5	9.2	58.2	58.0	53.0	10.0
	560	18,700	13,600	2.3	3.6	59.9	59.6	55.0	12.0
	600	21,500	15,800	2.9	6.1	59.2	58.9	55.0	12.0
	560	13,700	10,900	1.8	2.2	61.9	61.4	57.0	14.0
	600	19,000	14,500	2.0	2.7	61.3	60.6	57.0	14.0

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WCP18D High-Wall 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	560	24,600	16,300	8.2	46.3	50.5	50.4	50.0	6.0
	600	29,100	19,100	9.8	64.9	50.6	50.5	50.0	6.0
	560	22,100	15,000	5.6	22.5	52.6	52.5	52.0	8.0
	600	26,300	17,900	6.6	30.9	52.8	52.7	52.0	8.0
	560	19,800	13,900	4.0	12.1	54.7	54.5	54.0	10.0
	600	23,500	16,600	4.7	16.7	54.9	54.6	54.0	10.0
	560	17,000	13,000	2.8	5.5	56.9	56.9	56.0	12.0
	600	20,100	15,300	3.4	8.5	57.1	57.0	56.0	12.0
	560	14,000	11,500	2.0	2.9	59.6	59.3	58.0	14.0
	600	17,700	14,100	2.5	4.3	59.2	58.6	58.0	14.0
45°F	560	23,500	15,600	7.8	42.1	51.6	51.4	51.0	6.0
	600	27,800	18,600	9.3	59.3	51.8	51.6	51.0	6.0
	560	21,000	14,500	5.3	20.4	53.6	53.4	53.0	8.0
	600	24,900	17,200	6.2	27.8	53.9	53.7	53.0	8.0
	560	18,500	13,400	3.7	10.6	55.8	55.6	55.0	10.0
	600	21,000	15,800	4.2	13.1	56	56	55.0	10.0
	560	16,000	12,500	2.6	4.9	57.9	57.6	57.0	12.0
	600	19,300	15,000	3.3	7.8	57.8	57.5	57.0	12.0
	560	13,100	11,200	1.9	2.5	60.3	59.9	59.0	14.0
	600	16,500	13,700	2.3	3.7	59.8	59.3	59.0	14.0
50°F	560	16,200	12,000	5.4	21.1	56.2	56.0	56.0	6.0
	600	20,700	15,500	7.0	34.2	56.9	56.7	56.0	6.0
	560	15,200	12,200	3.9	11.3	58.3	58.1	58.0	8.0
	600	17,600	14,200	4.4	14.5	59.0	59.0	58.0	8.0
	560	12,600	10,900	2.5	5.1	60.6	60.1	60.0	10.0
	600	15,100	13,100	3.0	7.0	60.5	59.9	60.0	10.0
	560	9,800	9,200	1.6	1.7	63.8	61.8	62.0	12.0
	600	11,700	11,100	2.0	2.6	63.6	61.8	62.0	12.0
	560	7,300	7,300	1.1	0.8	67.6	63.5	64.0	14.0
	600	10,300	9,600	1.5	1.6	66.1	62.5	64.0	14.0

WCP18D Propylene Glycol Solution Corrections (40°F EWT)				
Propylene Glycol %	Capacity Factor	Freezing Point (°F)	Tubeside Pressure Increase = 100% Capacity Factor	GPM Adjustment = 100% Capacity Factor
10%	0.93	26	1.3	1.1
20%	0.83	18	2.1	1.4
30%	0.72	7	3.8	1.9
40%	0.68	-8	7.6	2.8
50%	0.66	-29	17.0	4.0

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WCP18D High-Wall Air Handler Performance Data Tables - Continued

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	560	21,600	15,800	7.4	37.1	46.6	46.4	46.0	6.0
	600	25,500	18,700	8.6	50.1	47.0	46.8	46.0	6.0
	560	19,400	14,700	5.0	17.5	48.8	48.5	48.0	8.0
	600	22,800	17,400	5.8	23.4	49.1	48.8	48.0	8.0
	560	17,200	13,700	3.5	8.8	50.8	50.5	50.0	10.0
	600	20,000	15,800	4.0	12.1	51.0	50.7	50.0	10.0
	560	15,100	12,800	2.6	4.2	52.7	52.4	52.0	12.0
	600	18,000	15,300	3.0	6.3	52.8	52.5	52.0	12.0
	560	12,800	11,500	1.9	2.5	55.1	54.3	54.0	14.0
	600	14,200	13,200	2.1	2.7	56.2	55.0	54.0	14.0
41°F	560	20,500	15,200	7.0	33.7	47.7	47.5	47.0	6.0
	600	24,100	17,900	8.2	45.4	48.1	47.8	47.0	6.0
	560	18,300	14,000	4.7	15.7	49.9	49.6	49.0	8.0
	600	21,400	16,800	5.4	20.9	50.2	49.9	49.0	8.0
	560	15,900	13,100	3.3	7.6	51.8	51.5	51.0	10.0
	600	19,400	15,800	4.0	11.8	51.6	51.3	51.0	10.0
	560	14,000	12,100	2.4	3.6	53.6	53.1	53.0	12.0
	600	16,700	14,700	2.8	5.4	53.7	53.2	53.0	12.0
	560	11,800	11,000	1.8	2.2	55.9	54.9	55.0	14.0
	600	13,400	12,600	2.0	2.5	57.0	55.5	55.0	14.0
42°F	560	19,400	14,700	6.6	30.4	48.7	48.4	48.0	6.0
	600	23,000	17,400	7.8	41.1	49.1	48.9	48.0	6.0
	560	17,200	13,600	4.4	13.9	50.9	50.6	50.0	8.0
	600	20,200	16,100	5.1	18.4	51.3	50.9	50.0	8.0
	560	15,000	12,700	3.1	6.8	52.6	52.3	52.0	10.0
	600	18,100	15,300	3.7	10.3	52.4	52.1	52.0	10.0
	560	13,200	11,900	2.2	3.1	54.2	53.7	54.0	12.0
	600	15,600	14,300	2.7	4.7	54.3	53.9	54.0	12.0
	560	10,100	9,800	1.5	1.5	58.0	56.1	56.0	14.0
	600	12,800	12,200	1.9	2.3	57.7	55.9	56.0	14.0
43°F	560	19,000	14,200	4.8	18.8	53.1	52.3	49.0	6.0
	600	22,000	17,100	5.7	26.3	53.3	52.6	49.0	6.0
	560	17,000	13,400	3.3	9.5	54.4	53.4	51.0	8.0
	600	20,000	16,100	3.9	12.8	54.6	53.7	51.0	8.0
	560	15,000	12,800	2.3	3.8	56.1	55.0	53.0	10.0
	600	18,000	15,000	2.5	4.9	56.2	55.3	53.0	10.0
	560	12,000	11,300	1.7	1.7	59.1	56.2	55.0	12.0
	600	15,000	13,700	1.9	2.8	58.6	56.0	55.0	12.0
	560	12,000	11,300	1.2	1.4	59.8	56.3	57.0	14.0
	600	13,000	12,000	1.4	1.6	61.4	57.1	57.0	14.0

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WCP18D High-Wall Air Handler Performance Data Tables - Continued

Entering Water Temp	CFM	75°F DB / 62.55°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	560	18,000	13,700	5.7	26.0	50.4	49.5	50.0	6.0
	600	21,000	16,400	6.9	37.3	50.5	49.6	50.0	6.0
	560	16,000	12,900	4.0	13.6	51.8	51.1	52.0	8.0
	600	19,000	15,500	4.7	18.2	52.0	51.3	52.0	8.0
	560	14,000	12,100	2.9	6.0	53.8	52.7	54.0	10.0
	600	17,000	14,400	3.4	8.7	53.9	53.2	54.0	10.0
	560	12,000	10,800	2.0	2.7	56.3	54.6	56.0	12.0
	600	14,000	13,200	2.4	4.3	55.9	54.4	56.0	12.0
	560	12,000	10,700	1.6	2.3	58.2	55.6	58.0	14.0
	600	12,000	11,300	1.7	2.1	59.0	56.0	58.0	14.0
45°F	560	17,000	13,400	5.4	23.3	51.3	50.4	51.0	6.0
	600	20,000	16,000	6.5	33.1	51.4	50.5	51.0	6.0
	560	15,000	12,600	3.8	12.1	52.6	51.8	53.0	8.0
	600	18,000	15,000	4.4	16.3	52.8	52.0	53.0	8.0
	560	13,000	11,800	2.7	5.1	54.4	53.4	55.0	10.0
	600	15,000	13,400	3.0	7.0	55	54	55.0	10.0
	560	11,000	10,400	1.9	2.3	57.3	55.1	57.0	12.0
	600	13,000	12,600	2.2	3.7	56.9	54.9	57.0	12.0
	560	10,000	9,600	1.4	1.9	58.6	55.8	59.0	14.0
	600	11,000	10,800	1.6	1.9	59.8	56.3	59.0	14.0
50°F	560	12,000	11,200	3.8	12.3	55.5	54.4	56.0	6.0
	600	14,000	13,200	4.6	17.0	55.8	54.8	56.0	6.0
	560	10,000	10,100	2.6	5.8	57.2	55.6	58.0	8.0
	600	12,000	12,100	3.0	7.7	57.3	55.6	58.0	8.0
	560	9,000	8,900	1.9	2.4	59.2	56.0	60.0	10.0
	600	11,000	10,700	2.2	3.4	59.4	56.6	60.0	10.0
	560	7,000	6,700	1.2	0.9	63.7	57.8	62.0	12.0
	600	9,000	8,800	1.5	1.9	62.5	57.4	62.0	12.0
	560	7,000	7,000	1.1	1.2	63.3	57.6	64.0	14.0
	600	8,000	7,500	1.1	1.1	64.5	58.2	64.0	14.0

WCP18D Propylene Glycol Solution Corrections (44°F EWT)				
Propylene Glycol %	Capacity Factor	Freezing Point (°F)	Tubeside Pressure Increase = 100% Capacity Factor	GPM Adjustment = 100% Capacity Factor
10%	0.92	26	1.38	1.13
20%	0.83	18	2.13	1.42
30%	0.74	7	3.86	1.96
40%	0.70	-8	7.20	2.54
50%	0.68	-29	15.72	3.42

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WCP18D High-Wall Air Handler Performance Data Tables - Continued

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	560	18,800	14,200	6.3	29.8	46.4	46.0	46.0	6.0
	600	22,400	16,900	7.6	42.6	46.6	46.2	46.0	6.0
	560	16,500	13,100	4.2	14.2	48.4	48.1	48.0	8.0
	600	19,700	15,600	5.0	19.2	48.5	48.2	48.0	8.0
	560	14,600	12,300	3.1	6.4	50.1	49.7	50.0	10.0
	600	16,700	14,200	3.4	8.7	50.3	49.9	50.0	10.0
	560	11,900	10,800	2.1	2.8	52.9	52.2	52.0	12.0
	600	15,100	13,400	2.6	4.6	52.3	51.5	52.0	12.0
	560	11,000	10,200	1.5	2.3	54.2	52.9	54.0	14.0
	600	12,400	11,600	1.8	2.3	55.3	53.8	54.0	14.0
41°F	560	18,100	13,400	6.0	26.8	47.2	46.9	47.0	6.0
	600	21,600	16,000	7.2	38.2	47.5	47.2	47.0	6.0
	560	15,700	12,100	3.9	12.5	49.5	49.0	49.0	8.0
	600	19,100	14,700	4.8	17.3	49.3	49.0	49.0	8.0
	560	14,000	11,500	2.9	5.6	51.0	50.4	51.0	10.0
	600	16,700	13,700	3.3	8.4	51.1	50.6	51.0	10.0
	560	11,300	10,100	2.0	2.4	53.7	52.9	53.0	12.0
	600	14,500	12,400	2.4	3.9	53.1	52.2	53.0	12.0
	560	10,300	9,700	1.4	2.1	55.0	53.3	55.0	14.0
	600	11,800	10,800	1.7	2.1	56.1	54.2	55.0	14.0
42°F	560	17,500	12,600	5.7	24.1	48.1	47.8	48.0	6.0
	600	20,700	14,800	6.7	33.8	48.6	48.3	48.0	6.0
	560	15,300	11,500	3.7	11.2	50.3	49.8	50.0	8.0
	600	18,300	13,700	4.4	15.1	50.3	49.9	50.0	8.0
	560	13,500	10,700	2.7	4.8	51.6	51.0	52.0	10.0
	600	16,200	12,800	3.1	7.2	51.8	51.3	52.0	10.0
	560	10,800	9,400	1.8	2.1	54.7	53.4	54.0	12.0
	600	13,200	11,000	2.1	3.1	54.7	53.1	54.0	12.0
	560	9,700	8,900	1.3	1.9	56.0	53.7	56.0	14.0
	600	11,100	10,400	1.6	1.9	56.9	54.5	56.0	14.0
43°F	560	15,900	13,900	4.4	17.7	51.8	51.1	49.0	6.0
	600	18,900	16,900	5.1	23.0	52.1	51.5	49.0	6.0
	560	13,900	13,600	2.7	6.1	53.7	52.9	51.0	8.0
	600	16,400	15,700	3.3	9.9	53.6	52.7	51.0	8.0
	560	11,900	11,600	1.9	2.9	55.7	53.8	53.0	10.0
	600	14,200	14,000	2.0	3.1	55.5	53.9	53.0	10.0
	560	10,900	10,900	1.3	1.4	59.6	55.2	55.0	12.0
	600	12,200	12,100	1.6	2.2	58.9	54.9	55.0	12.0
	560	10,100	9,600	1.2	1.4	59.3	55.0	57.0	14.0
	600	10,200	10,100	1.2	1.4	61.4	56.0	57.0	14.0

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WCP18D High-Wall Air Handler Performance Data Tables - Continued

Entering Water Temp	CFM	75°F DB / 60.1°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	560	15,400	13,100	5.3	25.1	49.3	48.8	50.0	6.0
	600	18,300	15,900	6.2	33.5	49.4	49.0	50.0	6.0
	560	13,200	12,400	3.4	9.6	51.0	50.5	52.0	8.0
	600	15,900	14,700	4.1	15.6	51.3	50.6	52.0	8.0
	560	11,400	10,900	2.3	4.5	53.3	52.2	54.0	10.0
	600	13,700	13,100	2.8	7.0	53.2	52.2	54.0	10.0
	560	10,100	9,800	1.8	2.5	55.4	53.3	56.0	12.0
	600	11,600	11,200	1.9	3.1	56.1	53.8	56.0	12.0
	560	9,400	8,900	1.4	1.8	56.8	53.9	58.0	14.0
	600	9,600	9,400	1.4	1.8	58.6	55.0	58.0	14.0
45°F	560	14,900	12,400	5.0	22.2	50.1	49.6	51.0	6.0
	600	17,600	14,900	5.8	29.4	50.3	49.8	51.0	6.0
	560	12,900	11,600	3.2	8.3	51.9	51.2	53.0	8.0
	600	15,400	13,700	3.8	13.3	52.0	51.3	53.0	8.0
	560	11,100	10,200	2.2	3.9	54.1	52.7	55.0	10.0
	600	12,400	11,900	2.5	5.0	54	53	55.0	10.0
	560	9,600	9,300	1.7	2.2	56.3	53.7	57.0	12.0
	600	10,900	10,600	1.8	2.8	57.0	54.1	57.0	12.0
	560	8,900	8,400	1.3	1.7	57.6	54.3	59.0	14.0
	600	9,000	8,900	1.3	1.7	59.5	55.3	59.0	14.0
50°F	560	10,200	10,100	3.5	11.1	54.3	53.1	56.0	6.0
	600	12,100	12,100	4.0	14.6	54.7	53.4	56.0	6.0
	560	8,900	8,600	2.2	3.9	57.0	54.0	58.0	8.0
	600	10,900	10,400	2.7	6.3	56.8	53.9	58.0	8.0
	560	6,500	6,100	1.3	1.3	61.0	55.6	60.0	10.0
	600	8,400	7,900	1.7	2.6	60.4	55.4	60.0	10.0
	560	6,400	6,300	1.1	1.2	60.4	55.4	62.0	12.0
	600	7,400	7,300	1.3	1.6	61.5	55.9	62.0	12.0
	560	5,700	5,500	0.9	0.9	61.5	55.8	64.0	14.0
	600	5,900	5,800	0.9	0.9	64.0	57.0	64.0	14.0

WCP18D Propylene Glycol Solution Corrections (50°F EWT)				
Propylene Glycol %	Capacity Factor	Freezing Point (°F)	Tubeside Pressure Increase = 100% Capacity Factor	GPM Adjustment = 100% Capacity Factor
10%	0.92	26	1.39	1.13
20%	0.80	18	2.04	1.20
30%	0.81	7	3.40	1.32
40%	0.79	-8	6.09	1.57
50%	0.78	-29	13.35	2.13

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WCP30D High-Wall 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	700	33,600	21,900	11.2	20.8	47.5	47.5	46.0	6.0
	750	39,700	26,100	13.3	28.9	48.0	48.0	46.0	6.0
	700	30,600	20,400	7.7	10.4	50.0	50.0	48.0	8.0
	750	36,300	24,400	9.2	14.3	50.3	50.3	48.0	8.0
	700	27,400	18,900	5.6	5.6	52.7	52.7	50.0	10.0
	750	31,500	22,100	6.3	7.2	53	53	50.0	10.0
	700	24,400	17,600	4.1	3.1	55.1	55.1	52.0	12.0
	750	28,800	20,800	4.9	4.3	55.3	55.3	52.0	12.0
	700	21,000	16,100	3.1	1.6	57.5	57.5	54.0	14.0
	750	20,300	19,100	3.6	2.3	57.8	57.8	54.0	14.0
41°F	700	32,200	21,200	10.8	19.4	48.4	48.5	47.0	6.0
	750	37,400	25,300	12.8	27.0	49.1	49.1	47.0	6.0
	700	29,200	19,600	7.4	9.6	51.2	51.1	49.0	8.0
	750	34,700	23,600	8.8	13.2	51.4	51.4	49.0	8.0
	700	25,800	18,100	5.3	5.1	54.0	54.0	51.0	10.0
	750	29,900	21,300	5.9	6.3	54.6	54.7	51.0	10.0
	700	23,000	16,800	3.9	2.8	56.1	56.1	53.0	12.0
	750	26,700	19,800	4.5	3.7	56.5	56.6	53.0	12.0
	700	21,400	17,000	3.1	1.7	58.5	58.5	55.0	14.0
	750	18,900	18,300	3.4	2.0	58.7	58.7	55.0	14.0
42°F	700	31,000	20,600	10.3	18.0	49.4	49.6	48.0	6.0
	750	36,700	24,600	12.3	25.0	50.1	50.1	48.0	6.0
	700	27,900	19,100	7.1	8.8	52.2	52.2	50.0	8.0
	750	33,100	22,700	8.4	12.1	52.5	52.6	50.0	8.0
	700	24,600	17,600	5.0	4.6	55.0	55.0	52.0	10.0
	750	28,300	20,600	5.6	5.7	55.7	55.8	52.0	10.0
	700	21,200	16,100	3.6	2.4	57.3	57.4	54.0	12.0
	750	25,600	19,300	4.3	3.4	57.2	57.2	54.0	12.0
	700	20,500	16,400	3.0	1.5	59.1	59.0	56.0	14.0
	750	18,200	17,900	3.2	1.8	59.2	59.2	56.0	14.0
43°F	700	30,000	20,100	8.3	12.1	54.5	54.4	49.0	6.0
	750	35,400	23,900	9.9	17.1	54.8	54.7	49.0	6.0
	700	26,900	18,700	5.6	5.8	56.6	56.4	51.0	8.0
	750	32,200	22,300	6.5	7.8	57.0	56.9	51.0	8.0
	700	24,400	17,400	3.8	2.9	58.8	58.7	53.0	10.0
	750	28,900	20,800	4.1	3.2	59.1	59.0	53.0	10.0
	700	21,700	16,400	2.6	1.3	60.8	60.6	55.0	12.0
	750	24,900	19,100	3.4	2.1	60.0	59.8	55.0	12.0
	700	15,900	13,200	2.1	0.8	62.8	62.4	57.0	14.0
	750	22,100	17,600	2.4	0.9	62.1	61.6	57.0	14.0

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WCP30D High-Wall 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	700	28,600	19,700	9.5	15.9	51.3	51.2	50.0	6.0
	750	33,800	23,100	11.4	22.3	51.4	51.4	50.0	6.0
	700	25,700	18,100	6.5	7.7	53.4	53.4	52.0	8.0
	750	30,500	21,600	7.7	10.6	53.5	53.6	52.0	8.0
	700	23,000	16,800	4.7	4.2	55.4	55.3	54.0	10.0
	750	27,300	20,100	5.5	5.7	55.7	55.5	54.0	10.0
	700	19,700	15,700	3.3	1.9	57.8	57.9	56.0	12.0
	750	23,300	18,500	4.0	2.9	58.0	58.0	56.0	12.0
	700	16,300	13,900	2.3	1.0	60.5	60.3	58.0	14.0
	750	20,600	17,000	2.9	1.5	60.1	59.5	58.0	14.0
45°F	700	27,300	18,900	9.1	14.5	52.3	52.2	51.0	6.0
	750	32,400	22,500	10.9	20.4	52.5	52.4	51.0	6.0
	700	24,400	17,600	6.2	7.0	54.4	54.3	53.0	8.0
	750	28,900	20,800	7.3	9.6	54.7	54.6	53.0	8.0
	700	21,500	16,200	4.4	3.7	56.6	56.5	55.0	10.0
	750	24,400	19,100	4.9	4.5	56.8	56.7	55.0	10.0
	700	18,600	15,100	3.1	1.7	58.7	58.6	57.0	12.0
	750	22,400	18,100	3.8	2.7	58.6	58.5	57.0	12.0
	700	15,200	13,600	2.2	0.8	61.2	60.9	59.0	14.0
	750	19,200	16,600	2.7	1.3	60.7	60.3	59.0	14.0
50°F	700	18,800	14,500	6.3	7.2	57.0	56.9	56.0	6.0
	750	24,000	18,700	8.2	11.8	57.7	57.6	56.0	6.0
	700	17,700	14,700	4.5	3.9	59.1	59.0	58.0	8.0
	750	20,400	17,200	5.2	5.0	59.9	59.9	58.0	8.0
	700	14,600	13,200	3.0	1.8	61.5	61.1	60.0	10.0
	750	17,500	15,900	3.5	2.4	61.4	60.8	60.0	10.0
	700	11,400	11,100	1.9	0.6	64.7	62.8	62.0	12.0
	750	13,600	13,400	2.3	0.9	64.5	62.8	62.0	12.0
	700	8,500	8,800	1.2	0.3	68.6	64.5	64.0	14.0
	750	11,900	11,700	1.7	0.5	67.0	63.5	64.0	14.0

WCP30D Propylene Glycol Solution Corrections (40°F EWT)				
Propylene Glycol %	Capacity Factor	Freezing Point (°F)	Tubeside Pressure Increase = 100% Capacity Factor	GPM Adjustment = 100% Capacity Factor
10%	0.94	26	1.6	1.3
20%	0.84	18	2.4	1.6
30%	0.74	7	4.5	2.2
40%	0.69	-8	8.7	3.3
50%	0.67	-29	19.2	4.6

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WCP30D High-Wall Air Handler Performance Data Tables - Continued

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	700	25,200	19,100	8.6	12.9	47.4	47.2	46.0	6.0
	750	29,800	22,600	10.2	17.4	47.8	47.6	46.0	6.0
	700	22,700	17,700	5.8	6.1	49.6	49.4	48.0	8.0
	750	26,700	21,000	6.8	8.1	49.9	49.7	48.0	8.0
	700	20,100	16,600	4.1	3.0	51.6	51.4	50.0	10.0
	750	23,400	19,100	4.7	4.2	51.8	51.6	50.0	10.0
	700	17,700	15,400	3.0	1.4	53.5	53.3	52.0	12.0
	750	21,000	18,500	3.6	2.2	53.6	53.4	52.0	12.0
	700	14,900	13,900	2.3	0.9	55.9	55.3	54.0	14.0
	750	16,600	16,000	2.4	0.9	57.1	56.0	54.0	14.0
41°F	700	24,000	18,300	8.2	11.7	48.4	48.3	47.0	6.0
	750	28,200	21,600	9.6	15.8	48.8	48.7	47.0	6.0
	700	21,400	17,000	5.5	5.5	50.6	50.4	49.0	8.0
	750	25,100	20,300	6.4	7.3	51.0	50.8	49.0	8.0
	700	18,600	15,800	3.8	2.6	52.6	52.4	51.0	10.0
	750	22,700	19,100	4.7	4.1	52.4	52.2	51.0	10.0
	700	16,400	14,700	2.8	1.3	54.4	54.0	53.0	12.0
	750	19,500	17,700	3.3	1.9	54.5	54.1	53.0	12.0
	700	13,800	13,300	2.1	0.7	56.7	55.9	55.0	14.0
	750	15,700	15,200	2.3	0.9	57.9	56.5	55.0	14.0
42°F	700	22,700	17,800	7.8	10.6	49.5	49.3	48.0	6.0
	750	26,900	21,000	9.2	14.3	49.9	49.7	48.0	6.0
	700	20,100	16,500	5.2	4.8	51.7	51.5	50.0	8.0
	750	23,600	19,500	6.0	6.4	52.1	51.8	50.0	8.0
	700	17,500	15,400	3.6	2.4	53.4	53.3	52.0	10.0
	750	21,200	18,500	4.4	3.6	53.2	53.0	52.0	10.0
	700	15,500	14,400	2.6	1.1	55.0	54.6	54.0	12.0
	750	18,200	17,300	3.1	1.6	55.1	54.8	54.0	12.0
	700	11,800	11,800	1.8	0.5	58.9	57.1	56.0	14.0
	750	14,900	14,800	2.2	0.8	58.6	56.8	56.0	14.0
43°F	700	21,700	17,200	5.6	6.5	53.8	53.3	49.0	6.0
	750	26,000	20,600	6.7	9.0	54.0	53.5	49.0	6.0
	700	19,800	16,200	3.9	3.3	55.1	54.4	51.0	8.0
	750	23,600	19,500	4.5	4.4	55.3	54.7	51.0	8.0
	700	17,800	15,400	2.7	1.3	56.9	56.0	53.0	10.0
	750	20,800	18,100	2.9	1.7	56.9	56.4	53.0	10.0
	700	14,400	13,700	1.9	0.6	59.8	57.3	55.0	12.0
	750	17,800	16,600	2.2	1.0	59.4	57.1	55.0	12.0
	700	14,000	13,700	1.4	0.5	60.6	57.4	57.0	14.0
	750	14,600	14,500	1.7	0.5	62.2	58.1	57.0	14.0

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WCP30D High-Wall Air Handler Performance Data Tables - Continued

Entering Water Temp	CFM	75°F DB / 62.55°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	700	20,600	16,600	6.6	8.9	51.0	50.4	50.0	6.0
	750	24,500	19,900	8.0	12.8	51.1	50.5	50.0	6.0
	700	18,500	15,600	4.7	4.7	52.5	52.0	52.0	8.0
	750	21,900	18,700	5.5	6.2	52.7	52.2	52.0	8.0
	700	16,300	14,700	3.4	2.0	54.5	53.7	54.0	10.0
	750	19,300	17,400	3.9	3.0	54.6	54.2	54.0	10.0
	700	13,500	13,100	2.4	0.9	57.0	55.6	56.0	12.0
	750	16,500	16,000	2.8	1.5	56.6	55.4	56.0	12.0
	700	13,500	12,900	1.9	0.8	59.0	56.7	58.0	14.0
	750	13,700	13,700	1.9	0.7	59.7	57.1	58.0	14.0
45°F	700	19,500	16,200	6.3	8.0	51.9	51.4	51.0	6.0
	750	23,200	19,300	7.6	11.4	52.0	51.5	51.0	6.0
	700	17,600	15,200	4.4	4.2	53.3	52.7	53.0	8.0
	750	20,800	18,100	5.2	5.6	53.5	52.9	53.0	8.0
	700	15,300	14,300	3.1	1.8	55.1	54.4	55.0	10.0
	750	17,400	16,200	3.5	2.4	55.3	54.9	55.0	10.0
	700	12,700	12,500	2.2	0.8	58.0	56.1	57.0	12.0
	750	15,500	15,200	2.6	1.3	57.6	55.9	57.0	12.0
	700	11,800	11,600	1.7	0.6	59.4	56.9	59.0	14.0
	750	13,100	13,100	1.8	0.6	60.5	57.4	59.0	14.0
50°F	700	13,800	13,500	4.5	4.2	56.2	55.4	56.0	6.0
	750	16,300	16,000	5.3	5.8	56.6	55.8	56.0	6.0
	700	11,800	11,800	3.0	2.0	57.9	56.6	58.0	8.0
	750	14,200	14,200	3.5	2.6	58.1	56.6	58.0	8.0
	700	10,700	10,800	2.2	0.8	60.0	57.0	60.0	10.0
	750	12,500	12,900	2.6	1.2	60.2	57.7	60.0	10.0
	700	7,900	7,900	1.4	0.3	64.6	58.9	62.0	12.0
	750	10,300	10,300	1.7	0.6	63.3	58.5	62.0	12.0
	700	8,600	8,500	1.2	0.4	64.1	58.7	64.0	14.0
	750	9,000	9,000	1.3	0.4	65.4	59.3	64.0	14.0

WCP30D Propylene Glycol Solution Corrections (44°F EWT)				
Propylene Glycol %	Capacity Factor	Freezing Point (°F)	Tubeside Pressure Increase = 100% Capacity Factor	GPM Adjustment = 100% Capacity Factor
10%	0.92	26	1.63	1.33
20%	0.83	18	2.51	1.67
30%	0.74	7	4.54	2.30
40%	0.70	-8	8.48	2.99
50%	0.68	-29	18.51	4.02

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WCP30D High-Wall Air Handler Performance Data Tables - Continued

Entering Water Temp	CFM	72°F DB / 6.55°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	700	21,800	17,100	7.2	10.3	47.2	46.7	46.0	6.0
	750	26,100	20,400	8.7	14.7	47.4	47.0	46.0	6.0
	700	19,200	15,800	4.8	4.9	49.3	48.8	48.0	8.0
	750	22,900	18,800	5.8	6.6	49.4	48.9	48.0	8.0
	700	17,000	14,800	3.5	2.2	51.0	50.5	50.0	10.0
	750	19,400	17,100	3.9	3.0	51.2	50.7	50.0	10.0
	700	13,900	13,100	2.4	1.0	53.8	53.0	52.0	12.0
	750	17,600	16,100	3.0	1.6	53.2	52.4	52.0	12.0
	700	12,700	12,300	1.7	0.8	55.2	53.7	54.0	14.0
	750	14,400	14,000	2.0	0.8	56.2	54.7	54.0	14.0
41°F	700	21,100	16,100	6.9	9.2	48.0	47.7	47.0	6.0
	750	25,100	19,200	8.2	13.2	48.4	48.0	47.0	6.0
	700	18,300	14,600	4.5	4.3	50.4	49.8	49.0	8.0
	750	22,200	17,700	5.4	6.0	50.1	49.8	49.0	8.0
	700	16,300	13,800	3.3	1.9	51.9	51.2	51.0	10.0
	750	19,400	16,500	3.8	2.9	52.0	51.4	51.0	10.0
	700	13,100	12,100	2.2	0.8	54.6	53.7	53.0	12.0
	750	16,800	15,000	2.8	1.3	54.0	53.1	53.0	12.0
	700	12,000	11,700	1.6	0.7	56.0	54.1	55.0	14.0
	750	13,700	13,100	1.9	0.7	57.1	55.1	55.0	14.0
42°F	700	20,300	15,200	6.5	8.3	49.0	48.6	48.0	6.0
	750	24,000	17,900	7.7	11.7	49.4	49.1	48.0	6.0
	700	17,700	13,800	4.3	3.9	51.2	50.6	50.0	8.0
	750	21,200	16,500	5.1	5.2	51.2	50.7	50.0	8.0
	700	15,700	12,900	3.1	1.7	52.5	51.8	52.0	10.0
	750	18,800	15,400	3.6	2.5	52.7	52.1	52.0	10.0
	700	12,600	11,300	2.1	0.7	55.7	54.2	54.0	12.0
	750	15,300	13,300	2.5	1.1	55.6	54.0	54.0	12.0
	700	11,300	10,800	1.5	0.7	57.0	54.5	56.0	14.0
	750	12,900	12,500	1.8	0.7	57.9	55.4	56.0	14.0
43°F	700	18,500	16,500	5.1	6.0	52.6	51.7	49.0	6.0
	750	22,000	20,000	5.9	7.8	52.9	52.1	49.0	6.0
	700	16,200	16,100	3.1	2.1	54.5	53.5	51.0	8.0
	750	19,100	18,600	3.9	3.3	54.4	53.3	51.0	8.0
	700	13,800	13,700	2.2	1.0	56.6	54.4	53.0	10.0
	750	16,500	16,600	2.4	1.0	56.4	54.5	53.0	10.0
	700	12,800	12,700	1.5	0.5	60.5	55.8	55.0	12.0
	750	14,200	14,300	1.9	0.8	59.8	55.5	55.0	12.0
	700	11,700	11,400	1.4	0.5	60.1	55.6	57.0	14.0
	750	11,900	11,900	1.4	0.5	62.3	56.7	57.0	14.0

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WCP30D High-Wall Air Handler Performance Data Tables - Continued

Entering Water Temp	CFM	72°F DB / 60.1°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	700	17,900	15,500	6.2	8.5	50.0	49.3	50.0	6.0
	750	21,200	18,800	7.2	11.4	50.1	49.5	50.0	6.0
	700	15,400	14,700	4.0	3.3	51.8	51.1	52.0	8.0
	750	18,500	17,400	4.8	5.3	52.0	51.2	52.0	8.0
	700	13,200	12,900	2.7	1.5	54.1	52.8	54.0	10.0
	750	16,000	15,500	3.3	2.4	54.0	52.8	54.0	10.0
	700	11,700	11,600	2.1	0.8	56.2	53.9	56.0	12.0
	750	13,400	13,300	2.3	1.0	56.9	54.4	56.0	12.0
	700	10,900	10,600	1.7	0.6	57.7	54.5	58.0	14.0
	750	11,100	11,100	1.7	0.6	59.5	55.7	58.0	14.0
45°F	700	17,300	14,700	5.8	7.6	50.9	50.1	51.0	6.0
	750	20,400	17,600	6.8	10.0	51.1	50.3	51.0	6.0
	700	15,000	13,700	3.7	2.8	52.6	51.8	53.0	8.0
	750	17,900	16,300	4.4	4.5	52.7	51.9	53.0	8.0
	700	12,800	12,100	2.5	1.3	54.9	53.3	55.0	10.0
	750	14,400	14,100	2.9	1.7	54.8	53.3	55.0	10.0
	700	11,100	11,000	1.9	0.8	57.1	54.3	57.0	12.0
	750	12,600	12,500	2.1	0.9	57.8	54.7	57.0	12.0
	700	10,300	10,000	1.5	0.6	58.4	54.9	59.0	14.0
	750	10,500	10,500	1.5	0.6	60.4	56.0	59.0	14.0
50°F	700	11,900	11,900	4.0	3.8	55.1	53.7	56.0	6.0
	750	14,000	14,000	4.7	5.0	55.5	54.0	56.0	6.0
	700	10,300	10,200	2.5	1.3	57.8	54.6	58.0	8.0
	750	12,600	12,300	3.2	2.1	57.6	54.5	58.0	8.0
	700	7,600	7,200	1.5	0.4	61.9	56.2	60.0	10.0
	750	9,700	9,400	2.0	0.9	61.3	56.0	60.0	10.0
	700	7,400	7,400	1.3	0.4	61.3	56.0	62.0	12.0
	750	8,600	8,600	1.5	0.5	62.4	56.5	62.0	12.0
	700	6,600	6,500	1.0	0.3	62.4	56.4	64.0	14.0
	750	6,800	6,800	1.0	0.3	64.9	57.7	64.0	14.0

WCP30D Propylene Glycol Solution Corrections (50°F EWT)				
Propylene Glycol %	Capacity Factor	Freezing Point (°F)	Tubeside Pressure Increase = 100% Capacity Factor	GPM Adjustment = 100% Capacity Factor
10%	0.92	26	1.64	1.33
20%	0.80	18	2.40	1.41
30%	0.81	7	4.00	1.55
40%	0.79	-8	7.17	1.84
50%	0.78	-29	15.73	2.51



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