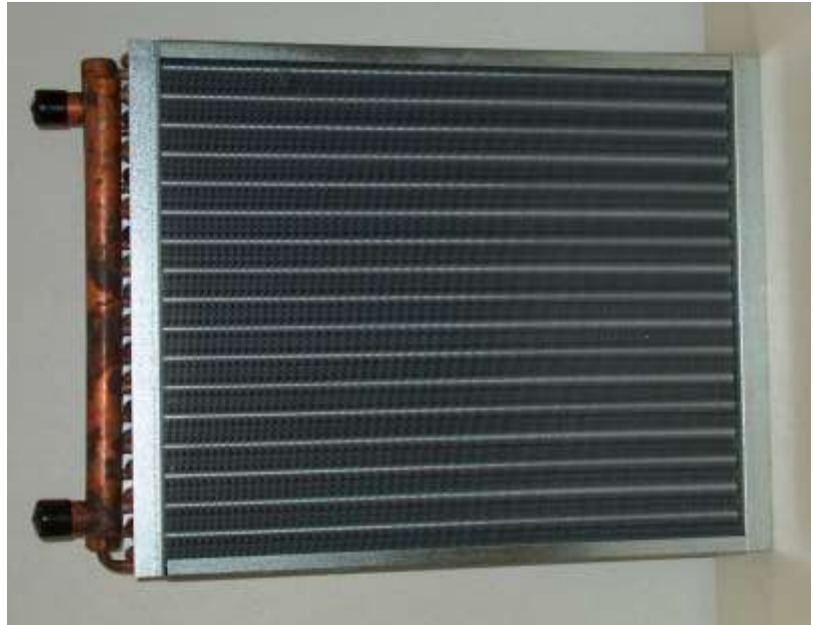


WSD HOT/CHILLED WATER COILS

14 sizes in stock—Ready for immediate delivery!

<i>Fin Dimensions</i>	<i>BTU'S</i>
♦ 12" x 12"	21,000 -54,500
♦ 12" x 18"	38,000 -80,000
♦ 15" x 15"	38,000 -83,000
♦ 16" x 16"	39,000 -94,000
♦ 16" x 18"	40,000 -106,000
♦ 18" x 18"	50,000 -133,000
♦ 18" x 20"	47,000 -120,000
♦ 17" x 22"	49,000 -133,000
♦ 19" x 20"	50,000 -139,000
♦ 20" x 19"	49,000 -136,000
♦ 20" x 20"	50,000 -145,000
♦ 22" x 22"	69,000 -173,000
♦ 22" x 25"	72,000 -197,000
♦ 24" x 24"	72,000 -210,000



3 Row Coils
12 Fins per Inch
1" COPPER SWEAT HEADERS
3/8" COPPER W/ SMOOTH TUBING
.006" CORRUGATED ALUMINUM FINS
20 Gauge Casing

- ♦ **Custom Coils**
- ♦ **Replacement Coils**
- ♦ **A-Coils**
- ♦ **Chiller Coils**

The Btu outputs stated are based on specific parameters and may vary depending on your situation.

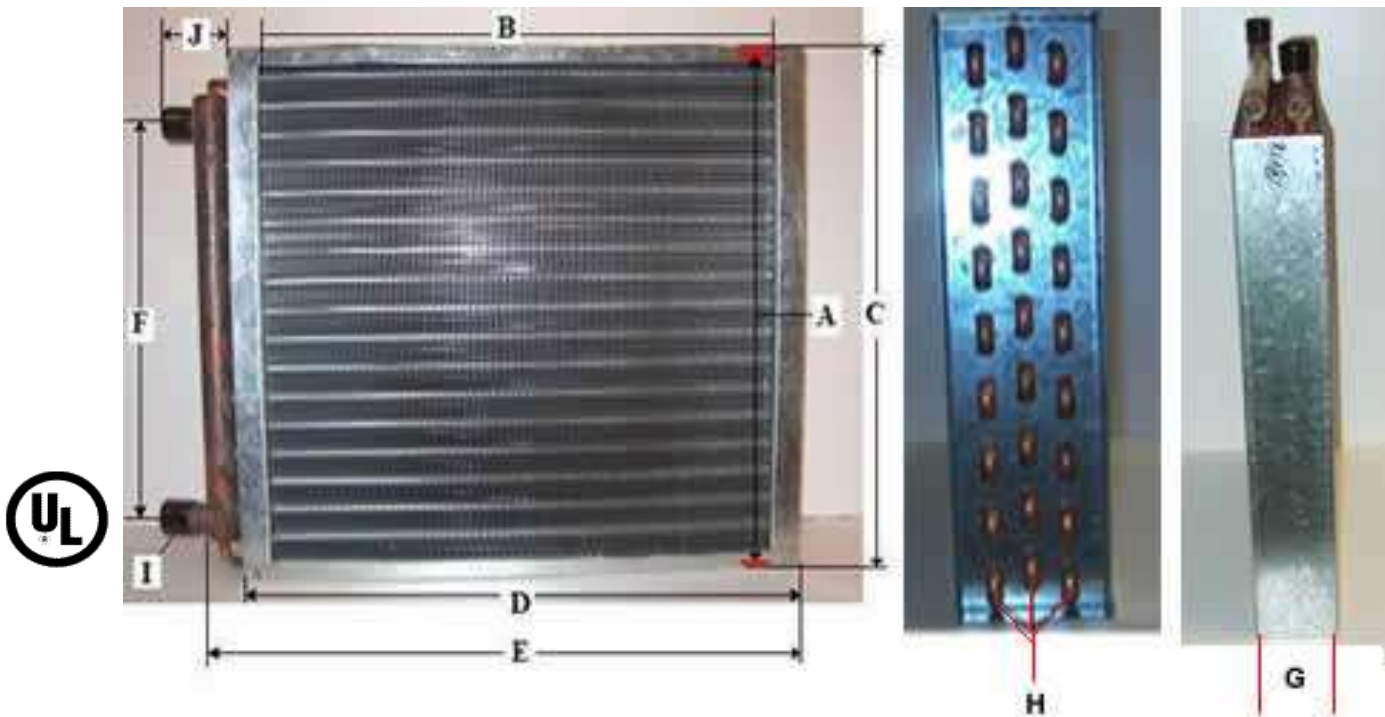
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OF WSD PRODUCTS TODAY!**

WSD Hot/Chilled Water Coil Approximate Dimensions



Coil Size	A	B	C	D	E	F	G	H	I	J
WSD 12 x 12	12"	12"	12-1/4"	14"	15-1/2"	9"	3-1/2"	3	1"	3"
WSD 12 x 18	12"	18"	12-1/4"	20"	21-1/2"	8-1/2"	3-1/2"	3	1"	3"
WSD 15 x 15	15"	15"	15-1/4"	17"	18-1/2"	11-1/2"	3-1/2"	3	1"	3"
WSD 16 x 16	16"	16"	16-1/4"	18"	19-1/2"	13"	3-1/2"	3	1"	3"
WSD 16 x 18	16"	18"	16-1/4"	20"	21-1/4"	13"	3-1/2"	3	1"	3"
WSD 18 x 18	18"	18"	18-1/4"	20"	21-1/4"	15-1/2"	3-1/2"	3	1"	3"
WSD 18 x 20	18"	20"	18-1/4"	22"	23-1/2"	15-1/2"	3-1/2"	3	1"	3"
WSD 17 x 22	17"	22"	17-1/4"	24"	25-1/2"	13-1/4"	3-1/2"	3	1"	3"
WSD 19 x 20	19"	20"	19-1/4"	22"	23-1/2"	16"	3-1/2"	3	1"	3"
WSD 20 x 19	20"	19"	20-1/4"	21"	22-1/2"	17-1/4"	3-1/2"	3	1"	3"
WSD 20 x 20	20"	20"	20-1/4"	22"	23-1/2"	17-1/4"	3-1/2"	3	1"	3"
WSD 22 x 22	22"	22"	22-1/4"	24"	25-1/2"	19"	3-1/2"	3	1"	3"
WSD 22 x 25	22"	25"	22-1/4"	27"	28-1/2"	19-1/4"	3-1/2"	3	1"	3"
WSD 24 x 24	24"	24"	24-1/4"	26"	27-1/2"	21-1/2"	3-1/2"	3	1"	3"

Please note that these are approximate dimensions! Actual dimensions may vary slightly!! Please see the website for more specifications and performance data.

www.willowspringsdistributing.com



Willow Springs Distributing, LLC

N7071 US Highway 45, P.O. Box L Wittenberg, WI 54499

Office 715-253-3010 Fax 715-253-2009

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Toll Free 888-879-3010



WSD Hot/Chilled Water Coils / Heat Exchangers

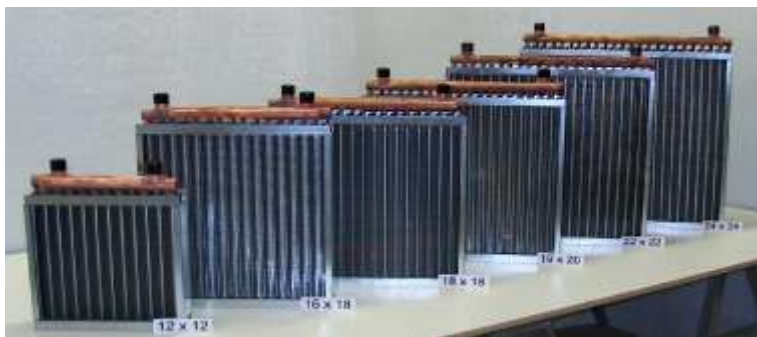
WSD	140°F/180°F	NET	Specifications
Part Number	Approx. BTU Range	PRICE	
WSD 12x12	21,000 -54,500		See Page 10
WSD 12x18	38,000 -80,000		See Page 11
WSD 15x15	38,000 - 83,000		See Page 12
WSD 16x16	39,000 - 94,000		See Page 13
WSD 16x18	40,000 - 106,000		See Page 14
WSD 17x22	50,000 - 133,000		See Page 15
WSD 18x18	47,000 - 120,000		See Page 16
WSD 18x20	49,000 - 133,000		See Page 17
WSD 19x20	50,000 - 139,000		See Page 18
WSD 20x19	49,000 - 136,000		See Page 19
WSD 20x20	50,000 - 145,000		See Page 20
WSD 22x22	69,000 - 173,000		See Page 21
WSD 22x25	72,000 -197,000		See Page 22
WSD 24x24	72,000 - 210,000		See Page 23

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WSD ECO Hot Water Coils / Heat Exchangers

WSD	140°F/180°F	NET	Specifications
Part Number	Approx. BTU Range	PRICE	Approximate
WSD 12x12 ECO	21,000 - 54,500		See Page 10
WSD 15x15 ECO	38,000 - 83,000		See Page 12
WSD 16x16 ECO	39,000 - 94,000		See Page 13
WSD 16x18 ECO	40,000 - 106,000		See Page 14
WSD 17x22 ECO	50,000 - 133,000		See Page 15
WSD 18x18 ECO	47,000 - 120,000		See Page 16
WSD 18x20 ECO	49,000 - 133,000		See Page 17
WSD 20x19 ECO	49,000 - 136,000		See Page 19
WSD 20x20 ECO	50,000 - 145,000		See Page 20
WSD 22x22 ECO	69,000 - 173,000		See Page 21
WSD 24x24 ECO	72,000 - 210,000		See Page 23

SIZES, STYLE, MANUFACTURER, AND PRICE ARE SUBJECT TO CHANGE WITHOUT NOTICE!!

**1 YEAR WARRANTY AGAINST
MANUFACTURER DEFECT**

FOREIGN MADE

W.S.D. 12 x 12 Hot Water Coil

Fin Height x Fin Length	12.0 In. x 12.0 In.
Number of Tubes	12
Rows Deep x Fins Per Inch	3.0 Rows x 12.0 Fins Per Inch
Tube O.D. and Thickness	3/8 In. .014 Wall—Smooth Tube
Fin Thickness and Material	.0060 Corrugated Aluminum Fins
Face Area	1.00 Square Feet
Approx Weight of Coil	5.96 lbs.
Number of Circuits	6

All Performance Tests At 0 ft. Elevation

Flow CFM	Entering Air Dry Bulb Degrees F	Leaving Air Dry Bulb Degrees F	Face Velocity SFPM	Air Pressure Drop IN, W.G.	Entering Water Temp. Degrees F	Leaving Water Temp. Degrees F	# Gallon GPM	Water Pressure Drop FTHD	Liquid Velocity FPS	Total BTU BTU/HR
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110* F Entering Water Temperature

600	60	86.57	600	0.26	110	103.05	5	1.11	2.53	17232.92
600	60	87.75	600	0.26	110	104.82	7	2.01	3.54	17995.18
600	60	88.46	600	0.26	110	105.86	9	3.13	4.56	18457.50

140* F Entering Water Temperature

400	60	110.16	400	0.13	140	131.19	5	1.03	2.53	21,686.86
400	60	111.65	400	0.13	140	133.52	7	1.87	3.54	22,333.13
400	60	112.53	400	0.13	140	134.87	9	2.92	4.56	22,714.49
500	60	106.30	500	0.19	140	129.83	5	1.03	2.53	25,024.46
500	60	107.96	500	0.19	140	132.47	7	1.87	3.54	25,921.78
500	60	108.95	500	0.19	140	134.03	9	2.92	4.56	26,457.50
600	60	103.11	600	0.26	140	128.64	5	1.03	2.53	27,960.29
600	60	104.89	600	0.26	140	131.55	7	1.87	3.54	29,116.34
600	60	105.97	600	0.26	140	133.27	9	2.92	4.56	29,812.75

180* F Entering Water Temperature

400	60	136.02	400	0.13	180	166.46	5	0.95	2.53	32,871.05
400	60	138.11	400	0.13	180	170.07	7	1.73	3.54	33,773.42
400	60	139.34	400	0.13	180	172.15	9	2.70	4.56	34,303.71
500	60	130.30	500	0.19	180	164.35	5	0.95	2.53	37,997.36
500	60	132.64	500	0.19	180	168.45	7	1.73	3.54	39,258.27
500	60	134.02	500	0.19	180	170.85	9	2.70	4.56	40,005.27
600	60	125.56	600	0.26	180	162.49	5	0.95	2.53	42,521.94
600	60	128.08	600	0.26	180	167.01	7	1.73	3.54	44,154.58
600	60	129.58	600	0.26	180	169.68	9	2.70	4.56	45,128.90
800	60	123.13	800	0.43	180	168.76	10	3.25	5.06	54,589.77

W.S.D. 12 x 18 Hot Water Coil

Fin Height x Fin Length	12.0 In. x 18 In.
Number of Tubes	12
Rows Deep x Fins Per Inch	3.0 Rows x 12.0 Fins Per Inch
Tube O.D. and Thickness	3/8 In. .014 Wall—Smooth Tube
Fin Thickness and Material	.0060 Corrugated Aluminum Fins
Face Area	1.50 Square Feet
Approx Weight of Coil	8.3 lbs.
Number of Circuits	6

All Performance Tests At 0 ft. Elevation

Flow CFM	Entering Air Dry Bulb Degrees F	Leaving Air Dry Bulb Degrees F	Face Velocity SFPM	Air Pressure Drop IN, W.G.	Entering Water Temp. Degrees F	Leaving Water Temp. Degrees F	# Gallon GPM	Water Pressure Drop FTHD	Liquid Velocity FPS	Total BTU BTU/HR
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110* F Entering Water Temperature

1200	60	82.60	800	0.43	110	98.18	5	1.41	2.53	29,312.21
1200	60	84.06	800	0.43	110	101.01	7	2.55	3.54	31,212.44
1200	60	84.97	800	0.43	110	102.74	9	3.99	4.56	32,385.02

140* F Entering Water Temperature

800	60	104.00	533.33	0.21	140	124.54	5	1.31	2.53	38,049.95
800	60	106.01	533.33	0.21	140	128.45	7	2.38	3.54	39,787.89
800	60	107.21	533.33	0.21	140	130.78	9	3.72	4.56	40,826.28
1,000	60	99.98	666.67	0.31	140	122.44	5	1.31	2.53	43,216.53
1,000	60	102.15	666.67	0.31	140	126.77	7	2.38	3.54	45,557.34
1,000	60	103.46	666.67	0.31	140	129.39	9	3.72	4.56	46,974.40
1,200	60	96.73	800	0.43	140	120.64	5	1.31	2.53	47,641.19
1,200	60	98.99	800	0.43	140	125.32	7	2.38	3.54	50,582.07
1,200	60	100.38	800	0.43	140	128.17	9	3.72	4.56	52,381.79

180* F Entering Water Temperature

800	60	126.81	533.33	0.21	180	156.21	5	1.21	2.53	57,772.21
800	60	129.69	533.33	0.21	180	162.28	7	2.20	3.54	60,262.40
800	60	131.39	533.33	0.21	180	165.88	9	3.43	4.56	61,738.70
1,000	60	120.81	666.67	0.31	180	152.93	5	1.21	2.53	65,729.56
1,000	60	123.93	666.67	0.31	180	159.67	7	2.20	3.54	69,10.05
1,000	60	125.80	666.67	0.31	180	163.73	9	3.43	4.56	71,130.55
1,200	60	115.94	800	0.43	180	150.12	5	1.21	2.53	72,564.86
1,200	60	119.23	800	0.43	180	157.40	7	2.20	3.54	76,827.94
1,200	60	121.22	800	0.43	180	161.83	9	3.43	4.56	79,410.96
1,200	60	121.95	800	0.43	180	163.46	10	4.14	5.06	80,357.72

W.S.D. 15 x 15 Hot Water Coil

Fin Height x Fin Length	15.0 In. x 15.0 In.
Number of Tubes	15
Rows Deep x Fins Per Inch	3.0 Rows x 12.0 Fins Per Inch
Tube O.D. and Thickness	3/8 In. .014 Wall—Smooth Tube
Fin Thickness and Material	.0060 Corrugated Aluminum Fins
Face Area	1.56 Square Feet
Approx Weight of Coil	9.17 lbs.
Number of Circuits	7

All Performance Tests At 0 ft. Elevation

CFM	Flow	Entering Air Dry Bulb Degrees F	Leaving Air Dry Bulb Degrees F	Face Velocity SFPM	Air Pressure Drop IN, W.G.	Entering Water Temp. Degrees F	Leaving Water Temp. Degrees F	# Gallon GPM	Water Pressure Drop FTHD	Liquid Velocity FPS	Total BTU BTU/HR
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110* F Entering Water Temperature

1200	60	82.57	768	0.40	110	98.19	5	1.03	2.17	29,275.28
1200	60	84.10	768	0.40	110	100.99	7	1.87	3.04	31,259.69
1200	60	85.05	768	0.40	110	102.72	9	2.92	3.91	32,492.98

140* F Entering Water Temperature

800	60	104.08	512	0.20	140	124.51	5	0.96	2.17	38,115.85
800	60	106.18	512	0.20	140	128.41	7	1.74	3.04	39,937.27
800	60	107.45	512	0.20	140	130.74	9	2.72	3.91	41,030.15
1,000	60	100.02	640	0.29	140	122.42	5	0.96	2.17	43,256.18
1,000	60	102.28	640	0.29	140	126.73	7	1.74	3.04	45,705.09
1,000	60	103.66	640	0.29	140	129.34	9	2.72	3.91	47,194.95
1,200	60	96.73	768	0.40	140	120.63	5	0.96	2.17	47,648.32
1,200	60	99.10	768	0.40	140	125.28	7	1.74	3.04	50,719.84
1,200	60	100.56	768	0.40	140	128.12	9	2.72	3.91	52,609.87

180* F Entering Water Temperature

800	60	127.00	512	0.20	180	156.14	5	0.89	2.17	57,938.59
800	60	130.01	512	0.20	180	162.19	7	1.61	3.04	60,544.47
800	60	131.89	512	0.20	180	165.79	9	2.51	3.91	62,095.27
1,000	60	120.94	640	0.29	180	152.87	5	0.89	2.17	65,876.88
1,000	60	124.21	640	0.29	180	159.59	7	1.61	3.04	69,404.27
1,000	60	126.17	640	0.29	180	163.64	9	2.51	3.91	71,530.33
1,200	60	116.03	768	0.40	180	150.07	5	0.89	2.17	72,681.34
1,200	60	119.46	768	0.40	180	157.31	7	1.61	3.04	77,129.00
1,200	60	121.55	768	0.40	180	161.74	9	2.51	3.91	79,838.19
1,250	60	121.95	800	0.43	180	164.33	11	3.58	4.77	83,701.71

W.S.D. 16 x 16 Hot Water Coil

Fin Height x Fin Length	16.0 In. x 16.0 In.
Number of Tubes	16
Rows Deep x Fins Per Inch	3.0 Rows x 12.0 Fins Per Inch
Tube O.D. and Thickness	3/8 In. .014 Wall—Smooth Tube
Fin Thickness and Material	.0060 Corrugated Aluminum Fins
Face Area	1.78 Square Feet
Approx Weight of Coil	10.38 lbs.
Number of Circuits	8

All Performance Tests At 0 ft. Elevation

CFM	Flow	Entering Air Dry Bulb Degrees F	Leaving Air Dry Bulb Degrees F	Face Velocity SFPM	Air Pressure Drop IN, W.G.	Entering Water Temp. Degrees F	Leaving Water Temp. Degrees F	# Gallon GPM	Water Pressure Drop FTHD	Liquid Velocity FPS	Total BTU BTU/HR
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110* F Entering Water Temperature

1200	60	83.35	675	0.32	110	97.78	5	0.78	1.90	30,291.89
1200	60	84.97	675	0.32	110	100.67	7	1.42	2.66	32,385.60
1200	60	85.97	675	0.32	110	102.45	9	2.22	3.42	33,685.81

140* F Entering Water Temperature

800	60	105.50	450	0.16	140	124.01	5	0.73	1.90	39,346.03
800	60	107.70	450	0.16	140	128.03	7	1.33	2.66	41,248.48
800	60	109.02	450	0.16	140	130.43	9	2.08	3.42	42,388.81
1,000	60	101.37	562.5	0.23	140	121.83	5	0.73	1.90	44,718.87
1,000	60	103.75	562.5	0.23	140	126.27	7	1.33	2.66	47,293.24
1,000	60	105.20	562.5	0.23	140	128.97	9	2.08	3.42	48,857.23
1,200	60	98.01	675	0.32	140	119.96	5	0.73	1.90	49,309.58
1,200	60	100.51	675	0.32	140	124.74	7	1.33	2.66	52,552.41
1,200	60	102.05	675	0.32	140	127.68	9	2.08	3.42	54,547.27

180* F Entering Water Temperature

800	60	129.16	450	0.16	180	155.37	5	0.68	1.90	59,811.47
800	60	132.31	450	0.16	180	161.61	7	1.23	2.66	62,535.79
800	60	134.19	450	0.16	180	165.32	9	1.91	3.42	64,153.16
1,000	60	123.01	562.5	0.23	180	151.95	5	0.68	1.90	68,111.49
1,000	60	126.44	562.5	0.23	180	158.87	7	1.23	2.66	71,822.52
1,000	60	128.51	562.5	0.23	180	163.06	9	1.91	3.42	74,055.21
1,200	60	117.99	675	0.32	180	149.02	5	0.68	1.90	75,228.21
1,200	60	121.62	675	0.32	180	156.49	7	1.23	2.66	79,926.90
1,200	60	123.82	675	0.32	180	161.06	9	1.91	3.42	82,787.73
1,400	60	122.57	787.50	0.42	180	165.00	13	3.67	4.94	94,689.06

W.S.D. 16 x 18 Hot Water Coil

Fin Height x Fin Length	16.0 In. x 18.0 In.
Number of Tubes	16
Rows Deep x Fins Per Inch	3.0 Rows x 12.0 Fins Per Inch
Tube O.D. and Thickness	3/8 In. .014 Wall—Smooth Tube
Fin Thickness and Material	.0060 Corrugated Aluminum Fins
Face Area	2.00 square Feet
Approx Weight of Coil	11.61 lbs.
Number of Circuits	8

All Performance Tests At 0 ft. Elevation

Flow CFM	Entering Air Dry Bulb Degrees F	Leaving Air Dry Bulb Degrees F	Face Velocity SFPM	Air Pressure Drop IN, W.G.	Entering Water Temp. Degrees F	Leaving Water Temp. Degrees F	# Gallon GPM	Water Pressure Drop FT/HD	Liquid Velocity FPS	Total BTU BTU/HR
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110* F Entering Water Temperature

1600	60	81.10	800	0.43	110	95.28	5	0.84	1.90	36,494.87
1600	60	82.83	800	0.43	110	98.63	7	1.53	2.66	39,483.86
1600	60	83.92	800	0.43	110	100.73	9	2.39	3.42	41,367.09

140* F Entering Water Temperature

800	60	107.23	400	0.13	140	123.40	5	0.79	1.90	40,843.67
800	60	109.43	400	0.13	140	127.59	7	1.43	2.66	42,749.76
800	60	110.75	400	0.13	140	130.09	9	2.24	3.42	43,884.92
1,000	60	103.07	500	0.19	140	121.08	5	0.79	1.90	46,553.70
1,000	60	105.48	500	0.19	140	125.73	7	1.43	2.66	49,159.90
1,000	60	106.93	500	0.19	140	128.55	9	2.24	3.42	50,732.39
1,200	60	99.66	600	0.26	140	119.09	5	0.79	1.90	51,446.77
1,200	60	102.21	600	0.26	140	124.10	7	1.43	2.66	54,754.68
1,200	60	103.77	600	0.26	140	127.18	9	2.24	3.42	56,774.81

180* F Entering Water Temperature

800	60	131.71	400	0.13	180	154.46	5	0.73	1.90	62,013.69
800	60	134.87	400	0.13	180	160.96	7	1.32	2.66	64,748.42
800	60	136.74	400	0.13	180	164.82	9	2.06	3.42	66,362.63
1,000	60	125.51	500	0.19	180	150.84	5	0.73	1.90	70,813.06
1,000	60	128.99	500	0.19	180	158.06	7	1.32	2.66	74,576.28
1,000	60	131.07	500	0.19	180	162.42	9	2.06	3.42	76,825.70
1,200	60	120.42	600	0.26	180	147.73	5	0.73	1.90	78,374.69
1,200	60	124.12	600	0.26	180	155.54	7	1.32	2.66	83,177.18
1,200	60	126.36	600	0.26	180	160.31	9	2.06	3.42	86,081.51
1,600	60	121.78	800	0.43	180	163.08	13	3.95	4.94	106,849.30

W.S.D. 17 x 22 Hot Water Coil

Fin Height x Fin Length	17.0 In. x 22.0 In.
Number of Tubes	17
Rows Deep x Fins Per Inch	3.0 Rows x 12.0 Fins Per Inch
Tube O.D. and Thickness	3/8 In. .014 Wall—Smooth Tube
Fin Thickness and Material	.0060 Corrugated Aluminum Fins
Face Area	2.60 Square Feet
Approx Weight of Coil	14.95 lbs.
Number of Circuits	8

All Performance Tests At 0 ft. Elevation

Flow CFM	Entering Air Dry Bulb Degrees F	Leaving Air Dry Bulb Degrees F	Face Velocity SFPM	Air Pressure Drop IN, W.G.	Entering Water Temp. Degrees F	Leaving Water Temp. Degrees F	# Gallon GPM	Water Pressure Drop FT/HD	Liquid Velocity FPS	Total BTU BTU/HR
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110* F Entering Water Temperature

1600	60	83.27	616.04	0.27	110	93.77	5	1.03	1.90	40,241.27
1600	60	85.11	616.04	0.27	110	97.49	7	1.87	2.66	43,424.66
1600	60	86.25	616.04	0.27	110	99.83	9	2.92	3.42	45,399.55

140* F Entering Water Temperature

1,000	60	106.79	385.03	0.12	140	119.44	5	0.96	1.90	50,384.64
1,000	60	109.26	385.03	0.12	140	124.54	7	1.75	2.66	53,249.18
1,000	60	110.73	385.03	0.12	140	127.62	9	2.72	3.42	54,831.63
1,300	60	101.76	500.54	0.19	140	116.15	5	0.96	1.90	58,687.51
1,300	60	104.49	500.54	0.19	140	121.85	7	1.75	2.66	62,521.25
1,300	60	106.14	500.54	0.19	140	125.36	9	2.72	3.42	64,838.29
1,500	60	99.02	577.54	0.24	140	114.28	5	0.96	1.90	63,274.53
1,500	60	101.87	577.54	0.24	140	120.29	7	1.75	2.66	67,882.45
1,500	60	103.60	577.54	0.24	140	124.04	9	2.72	3.42	70,699.88

180* F Entering Water Temperature

1,000	60	130.99	385.03	0.12	180	148.40	5	0.89	1.90	76,738.05
1,000	60	134.56	385.03	0.12	180	156.29	7	1.61	2.66	80,602.55
1,000	60	136.67	385.03	0.12	180	161.04	9	2.51	3.42	82,602.55
1,300	60	123.48	500.54	0.19	180	143.27	5	0.89	1.90	89,197.69
1,300	60	127.46	500.54	0.19	180	152.12	7	1.61	2.66	94,798.28
1,300	60	129.85	500.54	0.19	180	157.55	9	2.51	3.42	98,152.98
1,500	60	119.37	577.54	0.24	180	140.36	5	0.89	1.90	96,265.76
1,500	60	123.54	577.54	0.24	180	149.69	7	1.61	2.66	103,027.00
1,500	60	126.07	577.54	0.24	180	155.49	9	2.51	3.42	107,120.10
2,000	60	121.68	770.05	0.40	180	158.85	13	4.82	4.94	133,344.00

W.S.D. 18 x 18 Hot Water Coil

Fin Height x Fin Length	18.0 In. x 18.0 In.
Number of Tubes	18
Rows Deep x Fins Per Inch	3.0 Rows x 12.0 Fins Per Inch
Tube O.D. and Thickness	3/8 In. .014 Wall—Smooth Tube
Fin Thickness and Material	.0060 Corrugated Aluminum Fins
Face Area	2.25 Square Feet
Approx Weight of Coil	13.05 lbs.
Number of Circuits	9

All Performance Tests At 0 ft. Elevation

Flow CFM	Entering Air Dry Bulb Degrees F	Leaving Air Dry Bulb Degrees F	Face Velocity SFPM	Air Pressure Drop IN, W.G.	Entering Water Temp. Degrees F	Leaving Water Temp. Degrees F	# Gallon GPM	Water Pressure Drop FT/HD	Liquid Velocity FPS	Total BTU BTU/HR
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110* F Entering Water Temperature

1600	60	81.76	711.11	0.35	110	94.82	5	0.69	1.69	37,640.45
1600	60	83.58	711.11	0.35	110	98.25	7	1.24	2.36	40,779.27
1600	60	84.72	711.11	0.35	110	100.42	9	1.94	3.04	42,757.99

140* F Entering Water Temperature

1,000	60	104.32	444.45	0.152	140	120.53	5	0.64	1.69	47,911.29
1,000	60	106.83	444.45	0.152	140	125.30	7	1.16	2.36	50,623.65
1,000	60	108.34	444.45	0.152	140	128.20	9	1.81	3.04	52,257.57
1,300	60	99.34	577.78	0.242	140	117.53	5	0.64	1.69	55,288.75
1,300	60	102.07	577.78	0.242	140	122.84	7	1.16	2.36	59,116.70
1,300	60	103.74	577.78	0.242	140	126.12	9	1.81	3.04	61,465.04
1,500	60	96.66	666.67	0.312	140	115.84	5	0.64	1.69	59,445.32
1,500	60	99.47	666.67	0.312	140	121.42	7	1.16	2.36	64,001.36
1,500	60	101.22	666.67	0.312	140	124.91	9	1.81	3.04	66,828.02

180* F Entering Water Temperature

1,000	60	127.42	444.45	0.152	180	149.99	5	0.59	1.69	72,878.42
1,000	60	131.05	444.45	0.152	180	157.41	7	1.07	2.36	76,797.37
1,000	60	133.21	444.45	0.152	180	161.90	9	1.67	3.04	79,134.05
1,300	60	119.98	577.78	0.242	180	145.29	5	0.59	1.69	84,289.10
1,300	60	123.95	577.78	0.242	180	153.57	7	1.07	2.36	89,862.30
1,300	60	126.36	577.78	0.242	180	158.67	9	1.67	3.04	93,248.41
1,500	60	115.96	666.67	0.312	180	142.64	5	0.59	1.69	90,735.55
1,500	60	120.07	666.67	0.312	180	151.35	7	1.07	2.36	97,398.71
1,500	60	122.59	666.67	0.312	180	156.76	9	1.67	3.04	101,490.10
1,800	60	121.95	800	0.43	180	163.46	15	4.14	5.06	120,536.60

W.S.D. 18 x 20 Hot Water Coil

Fin Height x Fin Length	18.0 In. x 20.0 In.
Number of Tubes	18
Rows Deep x Fins Per Inch	3.0 Rows x 12.0 Fins Per Inch
Tube O.D. and Thickness	3/8 In. .014 Wall—Smooth Tube
Fin Thickness and Material	.0060 Corrugated Aluminum Fins
Face Area	2.50 Square Feet
Approx Weight of Coil	14.44 lbs.
Number of Circuits	9

All Performance Tests At 0 ft. Elevation

Flow CFM	Entering Air Dry Bulb Degrees F	Leaving Air Dry Bulb Degrees F	Face Velocity SFPM	Air Pressure Drop IN, W.G.	Entering Water Temp. Degrees F	Leaving Water Temp. Degrees F	# Gallon GPM	Water Pressure Drop FT/HD	Liquid Velocity FPS	Total BTU BTU/HR
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110* F Entering Water Temperature

1600	60	82.65	640	0.29	110	94.20	5	0.73	1.69	39,166.88
1600	60	84.51	640	0.29	110	97.79	7	1.33	2.36	42,382.83
1600	60	85.67	640	0.29	110	100.05	9	2.08	3.04	44,398.04

140* F Entering Water Temperature

1,000	60	105.84	400	0.126	140	119.86	5	0.69	1.69	49,551.74
1,000	60	108.37	400	0.126	140	124.82	7	1.25	2.36	52,285.29
1,000	60	109.88	400	0.126	140	127.83	9	1.94	3.04	53,920.35
1,300	60	100.81	520	0.201	140	116.70	5	0.69	1.69	57,341.04
1,300	60	103.58	520	0.201	140	122.22	7	1.25	2.36	61,238.79
1,300	60	105.27	520	0.201	140	125.64	9	1.94	3.04	63,614.65
1,500	60	98.08	600	0.258	140	114.91	5	0.69	1.69	61,736.79
1,500	60	100.95	600	0.258	140	120.72	7	1.25	2.36	66,400.11
1,500	60	102.72	600	0.258	140	124.36	9	1.94	3.04	69,275.31

180* F Entering Water Temperature

1,000	60	129.65	400	0.126	180	149	5	0.63	1.69	75,286.96
1,000	60	133.31	400	0.126	180	156.69	7	1.15	2.36	79,242.70
1,000	60	135.48	400	0.126	180	161.34	9	1.79	3.04	81,586.72
1,300	60	122.13	520	0.201	180	144.05	5	0.63	1.69	87,306.05
1,300	60	126.17	520	0.201	180	152.65	7	1.15	2.36	92,990.39
1,300	60	128.62	520	0.201	180	157.94	9	1.79	3.04	96,420.69
1,500	60	118.04	600	0.258	180	141.25	5	0.63	1.69	94,106.38
1,500	60	122.25	600	0.258	180	150.31	7	1.15	2.36	100,937.20
1,500	60	124.82	600	0.258	180	155.96	9	1.79	3.04	105,105.50
2,000	60	121.56	800	0.43	180	161.73	15	4.43	5.06	133,086.30

W.S.D. 19 x 20 Hot Water Coil

Fin Height x Fin Length	19.0 In. x 20.0 In.
Number of Tubes	19
Rows Deep x Fins Per Inch	3.0 Rows x 12.0 Fins Per Inch
Tube O.D. and Thickness	3/8 In. .014 Wall—Smooth Tube
Fin Thickness and Material	.0060 Corrugated Aluminum Fins
Face Area	2.64 Square Feet
Approx Weight of Coil	15.24 lbs.
Number of Circuits	9

All Performance Tests At 0 ft. Elevation

Flow CFM	Entering Air Dry Bulb Degrees F	Leaving Air Dry Bulb Degrees F	Face Velocity SFPM	Air Pressure Drop IN, W.G.	Entering Water Temp. Degrees F	Leaving Water Temp. Degrees F	# Gallon GPM	Water Pressure Drop FT/HD	Liquid Velocity FPS	Total BTU BTU/HR
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110* F Entering Water Temperature

1600	60	83.10	606.32	0.26	110	93.89	5	0.78	1.69	39,949.97
1600	60	84.98	606.32	0.26	110	97.55	7	1.41	2.36	43,206.59
1600	60	86.16	606.32	0.26	110	99.86	9	2.21	3.04	45,239.35

140* F Entering Water Temperature

1,000	60	106.61	378.95	0.114	140	119.52	5	0.727	1.69	50,387.79
1,000	60	109.15	378.95	0.114	140	124.58	7	1.32	2.36	53,130.63
1,000	60	110.66	378.95	0.114	140	127.64	9	2.06	3.04	54,766.34
1,300	60	101.55	492.63	0.182	140	116.27	5	0.727	1.69	58,391.61
1,300	60	104.35	492.63	0.182	140	121.91	7	1.32	2.36	62,323.59
1,300	60	106.05	492.63	0.182	140	125.39	9	2.06	3.04	64,712.25
1,500	60	98.80	568.42	0.235	140	114.43	5	0.727	1.69	62,912.64
1,500	60	101.71	568.42	0.235	140	120.37	7	1.32	2.36	67,629.60
1,500	60	103.50	568.42	0.235	140	124.08	9	2.06	3.04	70,529.58

180* F Entering Water Temperature

1,000	60	130.78	378.95	0.114	180	148.49	5	0.67	1.69	76,515.28
1,000	60	134.46	378.95	0.114	180	156.33	7	1.22	2.36	80,487.68
1,000	60	136.63	378.95	0.114	180	161.05	9	1.90	3.04	82,834.69
1,300	60	123.23	492.63	0.182	180	143.41	5	0.67	1.69	88,849.47
1,300	60	127.31	492.63	0.182	180	152.18	7	1.22	2.36	94,588.23
1,300	60	129.77	492.63	0.182	180	157.57	9	1.90	3.04	98,041.53
1,500	60	119.10	568.42	0.235	180	140.54	5	0.67	1.69	95,832.55
1,500	60	123.37	568.42	0.235	180	149.78	7	1.22	2.36	102,749.00
1,500	60	125.96	568.42	0.235	180	155.53	9	1.90	3.04	106,956.70
2,100	60	121.47	795.79	0.426	180	160.85	15	4.69	5.06	139,551.90

W.S.D. 20 x 19 Hot Water Coil

Fin Height x Fin Length	20.0 In. x 19.0 In.
Number of Tubes	20
Rows Deep x Fins Per Inch	3.0 Rows x 12.0 Fins Per Inch
Tube O.D. and Thickness	3/8 In. .014 Wall—Smooth Tube
Fin Thickness and Material	.0060 Corrugated Aluminum Fins
Face Area	2.64 Square Feet
Approx Weight of Coil	15.26 lbs.
Number of Circuits	10

All Performance Tests At 0 ft. Elevation

Flow CFM	Entering Air Dry Bulb Degrees F	Leaving Air Dry Bulb Degrees F	Face Velocity SFPM	Air Pressure Drop IN, W.G.	Entering Water Temp. Degrees F	Leaving Water Temp. Degrees F	# Gallon GPM	Water Pressure Drop FT/HD	Liquid Velocity FPS	Total BTU BTU/HR
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110* F Entering Water Temperature

1600	60	82.81	606.32	0.26	110	94.09	5	0.59	1.52	39,454.08
1600	60	84.73	606.32	0.26	110	97.68	7	1.07	2.13	42,768.46
1600	60	85.93	606.32	0.26	110	99.95	9	1.67	2.73	44,849.07

140* F Entering Water Temperature

1,000	60	106.22	378.95	0.114	140	119.69	5	0.55	1.52	49,965.36
1,000	60	108.83	378.95	0.114	140	124.68	7	1.00	2.13	52,779.27
1,000	60	110.39	378.95	0.114	140	127.70	9	1.56	2.73	54,464.70
1,300	60	101.14	492.63	0.182	140	116.50	5	0.55	1.52	57,814.32
1,300	60	104.00	492.63	0.182	140	122.05	7	1.00	2.13	61,829.74
1,300	60	105.74	492.63	0.182	140	125.49	9	1.56	2.73	64,282.28
1,500	60	98.38	568.42	0.24	140	114.71	5	0.55	1.52	62,237.99
1,500	60	101.35	568.42	0.24	140	120.54	7	1.00	2.13	67,042.82
1,500	60	103.18	568.42	0.24	140	124.19	9	1.56	2.73	70,012.36

180* F Entering Water Temperature

1,000	60	130.27	378.95	0.114	180	148.72	5	0.51	1.52	75,956.99
1,000	60	134.03	378.95	0.114	180	156.46	7	0.92	2.13	80,026.71
1,000	60	136.27	378.95	0.114	180	161.14	9	1.44	2.73	82,440.86
1,300	60	122.68	492.63	0.182	180	143.73	5	0.51	1.52	88,081.88
1,300	60	126.85	492.63	0.182	180	152.37	7	0.92	2.13	93,936.88
1,300	60	129.37	492.63	0.182	180	157.70	9	1.44	2.73	97,477.28
1,500	60	118.55	568.42	0.24	180	140.91	5	0.51	1.52	94,934.66
1,500	60	122.89	568.42	0.24	180	150.01	7	0.92	2.13	101,974.40
1,500	60	125.55	568.42	0.24	180	155.69	9	1.44	2.73	106,277.80
2,100	60	119.92	795.79	0.43	180	161.33	15	4.79	5.06	136,026.40

W.S.D. 20 x 20 Hot Water Coil

Fin Height x Fin Length	20.0 In. x 20.0 In.
Number of Tubes	20
Rows Deep x Fins Per Inch	3.0 Rows x 12.0 Fins Per Inch
Tube O.D. and Thickness	3/8 In. .014 Wall—Smooth Tube
Fin Thickness and Material	.0060 Corrugated Aluminum Fins
Face Area	2.78 Square Feet
Approx Weight of Coil	16.03 lbs.
Number of Circuits	10

All Performance Tests At 0 ft. Elevation

CFM Flow	Entering Air Dry Bulb Degrees F	Leaving Air Dry Bulb Degrees F	Face Velocity SFPM	Air Pressure Drop IN, W.G.	Entering Water Temp. Degrees F	Leaving Water Temp. Degrees F	# Gallon GPM	Water Pressure Drop FTHD	Liquid Velocity FPS	BTU/HR	Total BTU
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110* F Entering Water Temperature

1600	60	83.25	576	0.24	110	93.79	5	0.61	1.52	40,203.41
1600	60	85.18	576	0.24	110	97.45	7	1.11	2.13	43,556.24
1600	60	86.40	576	0.24	110	99.77	9	1.73	2.73	45,653.00

140* F Entering Water Temperature

1,000	60	106.96	360	0.105	140	119.37	5	0.57	1.52	50,763.38
1,000	60	109.57	360	0.105	140	124.44	7	1.03	2.13	53,585.57
1,000	60	111.13	360	0.105	140	127.52	9	1.61	2.73	55,269.56
1,300	60	101.86	468	0.166	140	116.10	5	0.57	1.52	58,818.50
1,300	60	104.74	468	0.166	140	121.75	7	1.03	2.13	62,865.31
1,300	60	106.49	468	0.166	140	125.25	9	1.61	2.73	65,329.94
1,500	60	99.08	540	0.214	140	114.25	5	0.57	1.52	63,362.47
1,500	60	102.07	540	0.214	140	120.20	7	1.03	2.13	68,217.46
1,500	60	103.92	540	0.214	140	123.92	9	1.61	2.73	71,209.64

180* F Entering Water Temperature

1,000	60	131.35	360	0.105	180	148.24	5	0.52	1.52	77,128.45
1,000	60	135.13	360	0.105	180	156.11	7	0.95	2.13	81,211.73
1,000	60	137.36	360	0.105	180	160.87	9	1.49	2.73	83,627.02
1,300	60	123.73	468	0.166	180	143.12	5	0.52	1.52	89,555.95
1,300	60	127.93	468	0.166	180	151.92	7	0.95	2.13	95,462.13
1,300	60	130.47	468	0.166	180	157.35	9	1.49	2.73	99,021.41
1,500	60	119.57	540	0.214	180	140.23	5	0.52	1.52	96,586.09
1,500	60	123.96	540	0.214	180	149.50	7	0.95	2.13	103,703.94
1,500	60	126.63	540	0.214	180	155.28	9	1.49	2.73	108,043.37
2,200	60	121.05	792	0.423	180	160.07	15	3.67	4.56	145,172.50

W.S.D. 22 x 22 Hot Water Coil

Fin Height x Fin Length	22.0 In. x 22.0 In.
Number of Tubes	22
Rows Deep x Fins Per Inch	3.0 Rows x 12.0 Fins Per Inch
Tube O.D. and Thickness	3/8 In. .014 Wall—Smooth Tube
Fin Thickness and Material	.0060 Corrugated Aluminum Fins
Face Area	3.36 Square Feet
Approx Weight of Coil	19.32 lbs.
Number of Circuits	11

All Performance Tests At 0 ft. Elevation

Flow CFM	Entering Air Dry Bulb Degrees F	Leaving Air Dry Bulb Degrees F	Face Velocity SFPM	Air Pressure Drop IN, W.G.	Entering Water Temp. Degrees F	Leaving Water Temp. Degrees F	# Gallon GPM	Water Pressure Drop FT/HD	Liquid Velocity FPS	Total BTU BTU/HR
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110* F Entering Water Temperature

2000	60	81.86	595.04	0.25	110	90.94	5	0.55	1.38	47,267.50
2000	60	83.99	595.04	0.25	110	95.06	7	1.00	1.93	51,865.39
2000	60	85.34	595.04	0.25	110	97.73	9	1.56	2.49	54,782.75

140* F Entering Water Temperature

1,600	60	99.99	476.03	0.172	140	111.89	5	0.513	1.38	69,161.34
1,600	60	103.20	476.03	0.172	140	118.31	7	0.93	1.93	74,721.20
1,600	60	105.18	476.03	0.172	140	122.36	9	1.45	2.49	78,140.31
2,000	60	95.60	595.04	0.255	140	108.72	5	0.513	1.38	76,973.05
2,000	60	98.96	595.04	0.255	140	115.55	7	0.93	1.93	84,237.53
2,000	60	101.08	595.04	0.255	140	119.95	9	1.45	2.49	88,801.25
2,400	60	92.13	714.05	0.352	140	106.12	5	0.513	1.38	83,363.03
2,400	60	95.55	714.05	0.352	140	113.22	7	0.93	1.93	92,236.86
2,400	60	97.74	714.05	0.352	140	117.89	9	1.45	2.49	97,913.04

180* F Entering Water Temperature

1,600	60	120.91	476.03	0.172	180	136.62	5	0.47	1.38	105,352.10
1,600	60	125.64	476.03	0.172	180	146.61	7	0.86	1.93	113,533.60
1,600	60	128.52	476.03	0.172	180	152.89	9	1.34	2.49	118,511.90
2,000	60	114.32	595.04	0.255	180	131.64	5	0.47	1.38	117,441.90
2,000	60	119.30	595.04	0.255	180	142.29	7	0.86	1.93	128,204.60
2,000	60	122.40	595.04	0.255	180	149.14	9	1.34	2.49	134,892.60
2,400	60	109.09	714.05	0.352	180	127.56	5	0.47	1.38	127,346.50
2,400	60	114.18	714.05	0.352	180	138.66	7	0.86	1.93	140,564.60
2,400	60	117.41	714.05	0.352	180	145.93	9	1.34	2.49	148,927.60
2,600	60	121.88	773.55	0.405	180	160.11	18	4.58	4.97	173,923.10

W.S.D. 22 x 25 Hot Water Coil

Fin Height x Fin Length	22.0 In. x 25.0 In.
Number of Tubes	22
Rows Deep x Fins Per Inch	3.0 Rows x 12.0 Fins Per Inch
Tube O.D. and Thickness	3/8 In. .014 Wall—Smooth Tube
Fin Thickness and Material	.0060 Corrugated Aluminum Fins
Face Area	3.82 Square Feet
Approx Weight of Coil	21.86 lbs.
Number of Circuits	11

All Performance Tests At 0 ft. Elevation

CFM Flow	Entering Air Dry Bulb Degrees F	Leaving Air Dry Bulb Degrees F	Face Velocity SFPM	Air Pressure Drop IN, W.G.	Entering Water Temp. Degrees F	Leaving Water Temp. Degrees F	# Gallon GPM	Water Pressure Drop FTHD	Liquid Velocity FPS	BTU/HR	Total BTU
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110* F Entering Water Temperature

2000	60	82.88	523.64	0.20	110	90.05	5	0.60	1.38	49,460.96
2000	60	85.08	523.64	0.20	110	94.38	7	1.09	1.93	54,218.88
2000	60	86.46	523.64	0.20	110	97.18	9	1.70	2.49	57,213.96

140* F Entering Water Temperature

1,600	60	101.69	418.91	0.14	140	110.70	5	0.56	1.38	72,095.38
1,600	60	104.98	418.91	0.14	140	117.41	7	1.02	1.93	77,802.35
1,600	60	106.99	418.91	0.14	140	121.65	9	1.59	2.49	81,280.83
2,000	60	97.20	523.64	0.20	140	107.32	5	0.56	1.38	80,412.98
2,000	60	100.68	523.64	0.20	140	114.47	7	1.02	1.93	87,941.66
2,000	60	102.85	523.64	0.20	140	119.08	9	1.59	2.49	92,632.27
2,400	60	93.62	628.36	0.28	140	104.55	5	0.56	1.38	87,216.87
2,400	60	97.19	628.36	0.28	140	111.99	7	1.02	1.93	96,475.08
2,400	60	99.45	628.36	0.28	140	116.89	9	1.59	2.49	102,356.40

180* F Entering Water Temperature

1,600	60	123.40	418.91	0.14	180	134.85	5	0.52	1.38	109,649.55
1,600	60	128.26	418.91	0.14	180	145.28	7	0.94	1.93	118,059.91
1,600	60	131.20	418.91	0.14	180	151.83	9	1.47	2.49	123,136.33
2,000	60	116.65	523.64	0.20	180	129.57	5	0.52	1.38	122,477.91
2,000	60	121.82	523.64	0.20	180	140.69	7	0.94	1.93	133,649.11
2,000	60	125.01	523.64	0.20	180	147.85	9	1.47	2.49	140,537.58
2,400	60	111.26	628.36	0.28	180	125.24	5	0.52	1.38	132,990.20
2,400	60	116.59	628.36	0.28	180	145.28	7	0.94	1.93	146,799.98
2,400	60	119.93	628.36	0.28	180	144.43	9	1.47	2.49	155,478.27
3,000	60	120.91	785.46	0.42	180	157.41	18	5.01	4.97	197,534.90

W.S.D. 24 x 24 Hot Water Coil

Fin Height x Fin Length	24.0 In. x 24.0 In.
Number of Tubes	24
Rows Deep x Fins Per Inch	3.0 Rows x 12.0 Fins Per Inch
Tube O.D. and Thickness	3/8 In. .014 Wall—Smooth Tube
Fin Thickness and Material	.0060 Corrugated Aluminum Fins
Face Area	4.00 Square Feet
Approx Weight of Coil	22.92 lbs.
Number of Circuits	12

All Performance Tests At 0 ft. Elevation

Flow CFM	Entering Air Dry Bulb Degrees F	Leaving Air Dry Bulb Degrees F	Face Velocity SFPM	Air Pressure Drop IN, W.G.	Entering Water Temp. Degrees F	Leaving Water Temp. Degrees F	# Gallon GPM	Water Pressure Drop FT/HD	Liquid Velocity FPS	Total BTU BTU/HR
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110* F Entering Water Temperature

2400	60	80.77	600	0.26	110	88.27	5	0.50	1.27	53,876.29
2400	60	83.06	600	0.26	110	92.77	7	0.91	1.77	59,825.26
2400	60	84.54	600	0.26	110	95.74	9	1.42	2.28	63,652.75

140* F Entering Water Temperature

1,600	60	101.96	400	0.126	140	110.51	5	0.47	1.27	72,566.78
1,600	60	105.33	400	0.126	140	117.24	7	0.85	1.77	78,400.00
1,600	60	107.39	400	0.126	140	121.24	9	1.32	2.28	81,960.59
2,000	60	97.43	500	0.19	140	107.11	5	0.47	1.27	80,919.64
2,000	60	100.99	500	0.19	140	114.27	7	0.85	1.77	88,615.90
2,000	60	103.21	500	0.19	140	118.91	9	1.32	2.28	93,420.58
2,400	60	93.82	600	0.26	140	104.34	5	0.47	1.27	87,742.27
2,400	60	97.47	600	0.26	140	111.78	7	0.85	1.77	97,204.73
2,400	60	99.79	600	0.26	140	116.69	9	1.32	2.28	103,230.60

180* F Entering Water Temperature

1,600	60	123.84	400	0.126	180	134.53	5	0.43	1.27	110,417.69
1,600	60	128.81	400	0.126	180	144.99	7	0.78	1.77	119,013.23
1,600	60	131.82	400	0.126	180	151.59	9	1.22	2.28	124,207.71
2,000	60	117.04	500	0.19	180	129.22	5	0.43	1.27	123,315.74
2,000	60	122.32	500	0.19	180	140.37	7	0.78	1.77	134,734.17
2,000	60	125.58	500	0.19	180	147.56	9	1.22	2.28	141,789.20
2,400	60	111.60	600	0.26	180	124.88	5	0.43	1.27	133,864.72
2,400	60	117.04	600	0.26	180	136.47	7	0.78	1.77	147,983.17
2,400	60	120.47	600	0.26	180	144.11	9	1.22	2.28	156,875.08
3,200	60	120.78	800	0.43	180	158.36	20	5.02	5.06	210,256.00