

WSD Hot/Chilled Water Coils

WSD	140°F/180°F	LIST	Performance Guide
Part Number	Approx. BTU Range	PRICE	
WSD 12x12	21,000 - 54,500	\$286.96	See PAGE 9
WSD 12x18	38,000 - 80,000	\$364.60	See PAGE 10
WSD 15x15	38,000 - 83,000	\$367.74	See PAGE 11
WSD 16x16	39,000 - 94,000	\$388.60	See PAGE 12
WSD 16x18	40,000 - 106,000	\$407.76	See PAGE 13
WSD 17x22	50,000 - 133,000	\$476.21	See PAGE 14
WSD 18x18	47,000 - 120,000	\$456.63	See PAGE 15
WSD 18x20	49,000 - 133,000	\$474.46	See PAGE 16
WSD 19x20	50,000 - 139,000	\$487.65	See PAGE 17
WSD 20x19	49,000 - 136,000	\$509.18	See PAGE 18
WSD 20x20	50,000 - 145,000	\$524.76	See PAGE 19
WSD 22x22	69,000 - 173,000	\$611.49	See PAGE 20
WSD 22x25	72,000 - 197,000	\$625.89	See PAGE 21
WSD 24x24	72,000 - 210,000	\$664.04	See PAGE 22



**10 Year Warranty
Against Manufacturer
Defect On Stock Coils!**



Assembled in the USA
with foreign and domestic parts

- **CUSTOM SIZES AND STYLES AVAILABLE.**
- **BUILT TO YOUR SPECS.**
- **PLEASE CALL FOR DETAILS!**

These coils can be used in chilled water applications but they are not fitted with a drain pan from the factory. A pan will have to be sourced to fit your specific application.



WSD Hot/Chilled Water Coils

► **14 SIZES IN STOCK—
READY FOR IMMEDIATE DELIVERY!**

Fin Dimensions	BTU's
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"	47,000 - 120,000
18" x 20"	50,000 - 133,000
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**
- **.0055" CORRUGATED ALUMINUM FINS**
- **20 GAUGE CASING**
 - CUSTOM COILS
 - REPLACEMENT COILS
 - A-COILS
 - CHILLER COILS



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

These units do not come with a drain pan. In chilled water applications you will need to source a drain pan.

Perfect to use with:

- **Outdoor Wood Boilers**
- **Gas Boilers**
- **SOLAR/GEO Systems**
- **Air Handlers**



► 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.



Assembled in the USA
with foreign and domestic parts



Special Order & Custom Hot Water Coils

For custom and special order coils please try to acquire as much information as you can from this sheet.

Dimensional Data

Finned area height:	
Finned area length:	
Finned Area Thickness:	
Casing height:	
Casing length:	
Casing thickness:	
Connection Size:	
Connection Type:	

Additional Information

Fins per inch:	
Rows deep:	
Tubes high:	
Steam Pressure:	
System pressure:	
Drain Pan:	
Glycol Percentage:	
Thermal Expansion Valve	

Type of coil

Evaporator:	
Condenser:	
Hot Water:	
Chilled water:	
Steam:	
Slab coil:	
A coil:	
Dual Circuit:	

Flange Style

Outward flange:	
Inverted flange:	
Slip and Drive:	
No flange:	
Insulated Cabinet Coil:	
A coil with Drain Pan:	
Slab coil with drain pan:	
Other:	

Performance Data

CFM:	
GPM:	
Entering Air Temp:	
Leaving Air Temp:	
Entering water Temp:	
Leaving Water Temp:	
Type of Refrigerant:	
Air pressure Drop to stay under:	
BTU's:	

Material Data

Fin Thickness:	
Fin Material:	
Tube Thickness:	
Tube Material:	
Casing material:	
Casing thickness:	
Header size:	
Coating for corrosive environment:	



► WSD 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	.0055 Corrugated Aluminum Fins
Face Area	1.00 Square Feet
Approx Weight of Coil	5.96 lbs.
Number of Circuits	6

CFM Flow	Entering Air Dry Bulb	Leaving Air Dry Bulb	Face Velocity SFPM	Air Pressure Drop IN. WG.	Entering Water Temp	Leaving Water Temp	GPM # Gallon	Water Pressure Drop in FTHD	Liquid Velocity FPS	Total BTU BTU/HR
40° F Entering Water Temperature (Drain pan not included)										
400	80°F	58°F	400	0.23	40°F	44.8°F	6	1.92	3.04	14,375
110° F Entering Water Temperature										
600	60°F	86.57°F	600	0.26	110°F	103.05°F	5	1.11	2.53	17,232
600	60°F	87.75°F	600	0.26	110°F	104.82°F	7	2.01	3.54	17,995
600	60°F	88.46°F	600	0.26	110°F	105.86°F	9	3.13	4.56	18,457
140° F Entering Water Temperature										
400	60°F	110.16°F	400	0.13	140°F	131.19°F	5	1.03	2.53	21,686
400	60°F	111.65°F	400	0.13	140°F	133.52°F	7	1.87	3.54	22,333
400	60°F	112.53°F	400	0.13	140°F	134.87°F	9	2.92	4.56	22,714
500	60°F	106.30°F	500	0.19	140°F	129.83°F	5	1.03	2.53	25,024
500	60°F	107.96°F	500	0.19	140°F	132.47°F	7	1.87	3.54	25,921
500	60°F	108.95°F	500	0.19	140°F	134.03°F	9	2.92	4.56	26,457
600	60°F	103.11°F	600	0.26	140°F	128.64°F	5	1.03	2.53	27,960
600	60°F	104.89°F	600	0.26	140°F	131.55°F	7	1.87	3.54	29,116
600	60°F	105.97°F	600	0.26	140°F	133.27°F	9	2.92	4.56	29,812
180° F Entering Water Temperature										
400	60°F	136.02°F	400	0.13	180°F	166.46°F	5	0.95	2.53	32,871
400	60°F	138.11°F	400	0.13	180°F	170.07°F	7	1.73	3.54	33,773
400	60°F	139.34°F	400	0.13	180°F	172.15°F	9	2.7	4.56	34,303
500	60°F	130.30°F	500	0.19	180°F	164.35°F	5	0.95	2.53	37,997
500	60°F	132.64°F	500	0.19	180°F	168.45°F	7	1.73	3.54	39,258
500	60°F	134.02°F	500	0.19	180°F	170.85°F	9	2.7	4.56	40,005
600	60°F	125.56°F	600	0.26	180°F	162.49°F	5	0.95	2.53	42,521
600	60°F	128.08°F	600	0.26	180°F	167.01°F	7	1.73	3.54	44,154
600	60°F	129.58°F	600	0.26	180°F	169.68°F	9	2.7	4.56	45,128
800	60°F	123.13°F	800	0.43	180°F	168.76°F	10	3.25	5.06	54,589



WSD 12 X 18 HOT WATER COIL

Fin Height x Fin Length	12.0 In. x 18.0 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	.0055 Corrugated Aluminum Fins
Face Area	150 Square Feet
Approx Weight of Coil	8.3 lbs.
Number of Circuits	6

CFM Flow	Entering Air Dry Bulb	Leaving Air Dry Bulb	Face Velocity SFPM	Air Pressure Drop IN, WG.	Entering Water Temp	Leaving Water Temp	GPM # Gallon	Water Pressure Drop in FTHD	Liquid Velocity FPS	Total BTU BTU/HR
40° F Entering Water Temperature (Drain pan not included)										
600	80°F	57.8°F	400	0.23	40°F	46.2°F	7	3.22	3.54	21,875
110° F Entering Water Temperature										
1200	60°F	82.60°F	800	0.43	110°F	98.18°F	5	1.41	2.53	29,312
1200	60°F	84.06°F	800	0.43	110°F	101.01°F	7	2.55	3.54	31,212
1200	60°F	84.97°F	800	0.43	110°F	102.74°F	9	3.99	4.56	32,385
140° F Entering Water Temperature										
800	60°F	104.00°F	533.33	0.21	140°F	124.54°F	5	1.31	2.53	38,049
800	60°F	106.01°F	533.33	0.21	140°F	128.45°F	7	2.38	3.54	39,787
800	60°F	107.21°F	533.33	0.21	140°F	130.78°F	9	3.72	4.56	40,826
1,000	60°F	99.98°F	666.67	0.31	140°F	122.44°F	5	1.31	2.53	43,216
1,000	60°F	102.15°F	666.67	0.31	140°F	126.77°F	7	2.38	3.54	45,557
1,000	60°F	103.46°F	666.67	0.31	140°F	129.39°F	9	3.72	4.56	46,974
1,200	60°F	96.73°F	800	0.43	140°F	120.64°F	5	1.31	2.53	47,641
1,200	60°F	98.99°F	800	0.43	140°F	125.32°F	7	2.38	3.54	50,582
1,200	60°F	100.38°F	800	0.43	140°F	128.17°F	9	3.72	4.56	52,381
180° F Entering Water Temperature										
800	60°F	126.81°F	533.33	0.21	180°F	156.21°F	5	1.21	2.53	57,772
800	60°F	129.69°F	533.33	0.21	180°F	162.28°F	7	2.2	3.54	60,262
800	60°F	131.39°F	533.33	0.21	180°F	165.88°F	9	3.43	4.56	61,738
1,000	60°F	120.81°F	666.67	0.31	180°F	152.93°F	5	1.21	2.53	65,729
1,000	60°F	123.93°F	666.67	0.31	180°F	159.67°F	7	2.2	3.54	69,100
1,000	60°F	125.80°F	666.67	0.31	180°F	163.73°F	9	3.43	4.56	71,130
1,200	60°F	115.94°F	800	0.43	180°F	150.12°F	5	1.21	2.53	72,564
1,200	60°F	119.23°F	800	0.43	180°F	157.40°F	7	2.2	3.54	76,827
1,200	60°F	121.22°F	800	0.43	180°F	161.83°F	9	3.43	4.56	79,410
1,200	60°F	121.95°F	800	0.43	180°F	163.46°F	10	4.14	5.06	80,357



► WSD 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	.0055 Corrugated Aluminum Fins
Face Area	1.56 Square Feet
Approx Weight of Coil	9.17 lbs.
Number of Circuits	7

CFM Flow	Entering Air Dry Bulb	Leaving Air Dry Bulb	Face Velocity SFPM	Air Pressure Drop IN. WG.	Entering Water Temp	Leaving Water Temp	GPM # Gallon	Water Pressure Drop in FTHD	Liquid Velocity FPS	Total BTU BTU/HR
40° F Entering Water Temperature (Drain pan not included)										
625	80°F	57.8°F	400	0.23	40°F	45.7°F	8	2.98	3.47	22,813
110° F Entering Water Temperature										
1200	60°F	82.57°F	768	0.4	110°F	98.19°F	5	1.03	2.17	29,275
1200	60°F	84.10°F	768	0.4	110°F	100.99°F	7	1.87	3.04	31,259
1200	60°F	85.05°F	768	0.4	110°F	102.72°F	9	2.92	3.91	32,492
140° F Entering Water Temperature										
800	60°F	104.08°F	512	0.2	140°F	124.51°F	5	0.96	2.17	38,115
800	60°F	106.18°F	512	0.2	140°F	128.41°F	7	1.74	3.04	39,937
800	60°F	107.45°F	512	0.2	140°F	130.74°F	9	2.72	3.91	41,030
1,000	60°F	100.02°F	640	0.29	140°F	122.42°F	5	0.96	2.17	43,256
1,000	60°F	102.28°F	640	0.29	140°F	126.73°F	7	1.74	3.04	45,705
1,000	60°F	103.66°F	640	0.29	140°F	129.34°F	9	2.72	3.91	47,194
1,200	60°F	96.73°F	768	0.4	140°F	120.63°F	5	0.96	2.17	47,648
1,200	60°F	99.10°F	768	0.4	140°F	125.28°F	7	1.74	3.04	50,719
1,200	60°F	100.56°F	768	0.4	140°F	128.12°F	9	2.72	3.91	52,609
180° F Entering Water Temperature										
800	60°F	127.00°F	512	0.2	180°F	156.14°F	5	0.89	2.17	57,938
800	60°F	130.01°F	512	0.2	180°F	162.19°F	7	1.61	3.04	60,544
800	60°F	131.89°F	512	0.2	180°F	165.79°F	9	2.51	3.91	62,095
1,000	60°F	120.94°F	640	0.29	180°F	152.87°F	5	0.89	2.17	65,876
1,000	60°F	124.21°F	640	0.29	180°F	159.59°F	7	1.61	3.04	69,404
1,000	60°F	126.17°F	640	0.29	180°F	163.64°F	9	2.51	3.91	71,530
1,200	60°F	116.03°F	768	0.4	180°F	150.07°F	5	0.89	2.17	72,681
1,200	60°F	119.46°F	768	0.4	180°F	157.31°F	7	1.61	3.04	77,129
1,200	60°F	121.55°F	768	0.4	180°F	161.74°F	9	2.51	3.91	79,838
1,250	60°F	121.95°F	800	0.43	180°F	164.33°F	11	3.58	4.77	83,701



WSD 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	.0055 Corrugated Aluminum Fins
Face Area	1.78 Square Feet
Approx Weight of Coil	10.38 lbs.
Number of Circuits	8

CFM Flow	Entering Air Dry Bulb	Leaving Air Dry Bulb	Face Velocity SFPM	Air Pressure Drop IN. WG.	Entering Water Temp	Leaving Water Temp	GPM # Gallon	Water Pressure Drop in FTHD	Liquid Velocity FPS	Total BTU BTU/HR
40° F Entering Water Temperature (Drain pan not included)										
725	80°F	57.9°F	408	0.238	40°F	45.8°F	9	2.8	3.42	26,250
110° F Entering Water Temperature										
1200	60°F	83.35°F	675	0.32	110°F	97.78°F	5	0.78	1.9	30,291
1200	60°F	84.97°F	675	0.32	110°F	100.67°F	7	1.42	2.66	32,385
1200	60°F	85.97°F	675	0.32	110°F	102.45°F	9	2.22	3.42	33,685
140° F Entering Water Temperature										
800	60°F	105.50°F	450	0.16	140°F	124.01°F	5	0.73	1.9	39,346
800	60°F	107.70°F	450	0.16	140°F	128.03°F	7	1.33	2.66	41,248
800	60°F	109.02°F	450	0.16	140°F	130.43°F	9	2.08	3.42	42,388
1,000	60°F	101.37°F	562.5	0.23	140°F	121.83°F	5	0.73	1.9	44,718
1,000	60°F	103.75°F	562.5	0.23	140°F	126.27°F	7	1.33	2.66	47,293
1,000	60°F	105.20°F	562.5	0.23	140°F	128.97°F	9	2.08	3.42	48,857
1,200	60°F	98.01°F	675	0.32	140°F	119.96°F	5	0.73	1.9	49,309
1,200	60°F	100.51°F	675	0.32	140°F	124.74°F	7	1.33	2.66	52,552
1,200	60°F	102.05°F	675	0.32	140°F	127.68°F	9	2.08	3.42	54,547
180° F Entering Water Temperature										
800	60°F	129.16°F	450	0.16	180°F	155.37°F	5	0.68	1.9	59,811
800	60°F	132.31°F	450	0.16	180°F	161.61°F	7	1.23	2.66	62,535
800	60°F	134.19°F	450	0.16	180°F	165.32°F	9	1.91	3.42	64,153
1,000	60°F	123.01°F	562.5	0.23	180°F	151.95°F	5	0.68	1.9	68,111
1,000	60°F	126.44°F	562.5	0.23	180°F	158.87°F	7	1.23	2.66	71,822
1,000	60°F	128.51°F	562.5	0.23	180°F	163.06°F	9	1.91	3.42	74,055
1,200	60°F	117.99°F	675	0.32	180°F	149.02°F	5	0.68	1.9	75,228
1,200	60°F	121.62°F	675	0.32	180°F	156.49°F	7	1.23	2.66	79,926
1,200	60°F	123.82°F	675	0.32	180°F	161.06°F	9	1.91	3.42	82,787
1,400	60°F	122.57°F	787.5	0.42	180°F	165.00°F	13	3.67	4.94	94,689



► WSD 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	.0055 Corrugated Aluminum Fins
Face Area	2.00 Square Feet
Approx Weight of Coil	11.61 lbs.
Number of Circuits	8

CFM Flow	Entering Air Dry Bulb	Leaving Air Dry Bulb	Face Velocity SFPM	Air Pressure Drop IN. WG.	Entering Water Temp	Leaving Water Temp	GPM # Gallon	Water Pressure Drop in FTHD	Liquid Velocity FPS	Total BTU BTU/HR
40° F Entering Water Temperature (Drain pan not included)										
800	80°F	58.0°F	400	0.23	40°F	46.4°F	9	3.02	3.02	28,750
110° F Entering Water Temperature										
1600	60°F	81.10°F	800	0.43	110°F	95.28°F	5	0.84	1.9	36,494
1600	60°F	82.83°F	800	0.43	110°F	98.63°F	7	1.53	2.66	39,483
1600	60°F	83.92°F	800	0.43	110°F	100.73°F	9	2.39	3.42	41,367
140° F Entering Water Temperature										
800	60°F	107.23°F	400	0.13	140°F	123.40°F	5	0.79	1.9	40,843
800	60°F	109.43°F	400	0.13	140°F	127.59°F	7	1.43	2.66	42,749
800	60°F	110.75°F	400	0.13	140°F	130.09°F	9	2.24	3.42	43,884
1,000	60°F	103.07°F	500	0.19	140°F	121.08°F	5	0.79	1.9	46,553
1,000	60°F	105.48°F	500	0.19	140°F	125.73°F	7	1.43	2.66	49,159
1,000	60°F	106.93°F	500	0.19	140°F	128.55°F	9	2.24	3.42	50,732
1,200	60°F	99.66°F	600	0.26	140°F	119.09°F	5	0.79	1.9	51,446
1,200	60°F	102.21°F	600	0.26	140°F	124.10°F	7	1.43	2.66	54,754
1,200	60°F	103.77°F	600	0.26	140°F	127.18°F	9	2.24	3.42	56,774
180° F Entering Water Temperature										
800	60°F	131.71°F	400	0.13	180°F	154.46°F	5	0.73	1.9	62,013.69
800	60°F	134.87°F	400	0.13	180°F	160.96°F	7	1.32	2.66	64,748.42
800	60°F	136.74°F	400	0.13	180°F	164.82°F	9	2.06	3.42	66,362.63
1,000	60°F	125.51°F	500	0.19	180°F	150.84°F	5	0.73	1.9	70,813.06
1,000	60°F	128.99°F	500	0.19	180°F	158.06°F	7	1.32	2.66	74,576.28
1,000	60°F	131.07°F	500	0.19	180°F	162.42°F	9	2.06	3.42	76,825.70
1,200	60°F	120.42°F	600	0.26	180°F	147.73°F	5	0.73	1.9	78,374.69
1,200	60°F	124.12°F	600	0.26	180°F	155.54°F	7	1.32	2.66	83,177.18
1,200	60°F	126.36°F	600	0.26	180°F	160.31°F	9	2.06	3.42	86,081.51
1,600	60°F	121.78°F	800	0.43	180°F	163.08°F	13	3.95	4.94	106,849.30



WSD 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	.0055 Corrugated Aluminum Fins
Face Area	2.60 Square Feet
Approx Weight of Coil	14.95 lbs.
Number of Circuits	8

CFM Flow	Entering Air Dry Bulb	Leaving Air Dry Bulb	Face Velocity SFPM	Air Pressure Drop IN. WG.	Entering Water Temp	Leaving Water Temp	GPM # Gallon	Water Pressure Drop in FTHD	Liquid Velocity FPS	Total BTU BTU/HR
40° F Entering Water Temperature (Drain pan not included)										
1050	80°F	58.6°F	404	0.235	40°F	48.1°F	9	3.68	3.42	36,563
110° F Entering Water Temperature										
1600	60°F	83.27°F	616.04	0.27	110°F	93.77°F	5	1.03	1.9	40,241
1600	60°F	85.11°F	616.04	0.27	110°F	97.49°F	7	1.87	2.66	43,424
1600	60°F	86.2°F	616.04	0.27	110°F	99.83°F	9	2.92	3.42	45,399
140° F Entering Water Temperature										
1,000	60°F	106.79°F	385.03	0.12	140°F	119.44°F	5	0.96	1.9	50,384
1,000	60°F	109.26°F	385.03	0.12	140°F	124.54°F	7	1.75	2.66	53,249
1,000	60°F	110.73°F	385.03	0.12	140°F	127.62°F	9	2.72	3.42	54,831
1,300	60°F	101.76°F	500.54	0.19	140°F	116.15°F	5	0.96	1.9	58,687
1,300	60°F	104.49°F	500.54	0.19	140°F	121.85°F	7	1.75	2.66	62,521
1,300	60°F	106.14°F	500.54	0.19	140°F	125.36°F	9	2.72	3.42	64,838
1,500	60°F	99.02°F	577.54	0.24	140°F	114.28°F	5	0.96	1.9	63,274
1,500	60°F	101.87°F	577.54	0.24	140°F	120.29°F	7	1.75	2.66	67,882
1,500	60°F	103.60°F	577.54	0.24	140°F	124.04°F	9	2.72	3.42	70,699
180° F Entering Water Temperature										
1,000	60°F	130.99°F	385.03	0.12	180°F	148.40°F	5	0.89	1.9	76,738
1,000	60°F	134.56°F	385.03	0.12	180°F	156.29°F	7	1.61	2.66	80,602
1,000	60°F	136.67°F	385.03	0.12	180°F	161.04°F	9	2.51	3.42	82,602
1,300	60°F	123.48°F	500.54	0.19	180°F	143.27°F	5	0.89	1.9	89,197
1,300	60°F	127.46°F	500.54	0.19	180°F	152.12°F	7	1.61	2.66	94,798
1,300	60°F	129.85°F	500.54	0.19	180°F	157.55°F	9	2.51	3.42	98,152
1,500	60°F	119.37°F	577.54	0.24	180°F	140.36°F	5	0.89	1.9	96,265.76
1,500	60°F	123.54°F	577.54	0.24	180°F	149.69°F	7	1.61	2.66	103,027.00
1,500	60°F	126.07°F	577.54	0.24	180°F	155.49°F	9	2.51	3.42	107,120.10
2,000	60°F	121.68°F	770.05	0.4	180°F	158.85°F	13	4.82	4.94	133,344.00



► WSD 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	.0055 Corrugated Aluminum Fins
Face Area	2.25 Square Feet
Approx Weight of Coil	13.05 lbs.
Number of Circuits	9

CFM Flow	Entering Air Dry Bulb	Leaving Air Dry Bulb	Face Velocity SFPM	Air Pressure Drop IN. WG.	Entering Water Temp	Leaving Water Temp	GPM # Gallon	Water Pressure Drop in FTHD	Liquid Velocity FPS	Total BTU BTU/HR
40° F Entering Water Temperature (Drain pan not included)										
925	80°F	58.6°F	411	0.242	40°F	47.1°F	9	2.45	3.04	31,875
110° F Entering Water Temperature										
925	80°F	58.6°F	411	0.242	40°F	47.1°F	9	2.45	3.04	31,875
1600	60°F	83.58°F	711.11	0.35	110°F	98.25°F	7	1.24	2.36	40,779
1600	60°F	84.72°F	711.11	0.35	110°F	100.42°F	9	1.94	3.04	42,757
140° F Entering Water Temperature										
1,000	60°F	104.32°F	444.45	0.152	140°F	120.53°F	5	0.64	1.69	47,911
1,000	60°F	106.83°F	444.45	0.152	140°F	125.30°F	7	1.16	2.36	50,623
1,000	60°F	108.34°F	444.45	0.152	140°F	128.20°F	9	1.81	3.04	52,257
1,300	60°F	99.34°F	577.78	0.242	140°F	117.53°F	5	0.64	1.69	55,288
1,300	60°F	102.07°F	577.78	0.242	140°F	122.84°F	7	1.16	2.36	59,116
1,300	60°F	103.74°F	577.78	0.242	140°F	126.12°F	9	1.81	3.04	61,465
1,500	60°F	96.66°F	666.67	0.312	140°F	115.84°F	5	0.64	1.69	59,445
1,500	60°F	99.47°F	666.67	0.312	140°F	121.42°F	7	1.16	2.36	64,001
1,500	60°F	101.22°F	666.67	0.312	140°F	124.91°F	9	1.81	3.04	66,828
180° F Entering Water Temperature										
1,000	60°F	127.42°F	444.45	0.152	180°F	149.99°F	5	0.59	1.69	72,878
1,000	60°F	131.05°F	444.45	0.152	180°F	157.41°F	7	1.07	2.36	76,797
1,000	60°F	133.21°F	444.45	0.152	180°F	161.90°F	9	1.67	3.04	79,134
1,300	60°F	119.98°F	577.78	0.242	180°F	145.29°F	5	0.59	1.69	84,289
1,300	60°F	123.95°F	577.78	0.242	180°F	153.57°F	7	1.07	2.36	89,862
1,300	60°F	126.36°F	577.78	0.242	180°F	158.67°F	9	1.67	3.04	93,248
1,500	60°F	115.96°F	666.67	0.312	180°F	142.64°F	5	0.59	1.69	90,735
1,500	60°F	120.07°F	666.67	0.312	180°F	151.35°F	7	1.07	2.36	97,398
1,500	60°F	122.59°F	666.67	0.312	180°F	156.76°F	9	1.67	3.04	101,490
1,800	60°F	121.95°F	800	0.43	180°F	163.46°F	15	4.14	5.06	120,536



WSD 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	.0055 Corrugated Aluminum Fins
Face Area	2.50 Square Feet
Approx Weight of Coil	14.44 lbs.
Number of Circuits	9

CFM Flow	Entering Air Dry Bulb	Leaving Air Dry Bulb	Face Velocity SFPM	Air Pressure Drop IN. WG.	Entering Water Temp	Leaving Water Temp	GPM # Gallon	Water Pressure Drop in FTHD	Liquid Velocity FPS	Total BTU BTU/HR
40° F Entering Water Temperature (Drain pan not included)										
1050	80°F	58.9°F	420	0.251	40°F	47.8°F	9	2.62	3.04	35,313
110° F Entering Water Temperature										
1600	60°F	82.65°F	640	0.29	110°F	94.20°F	5	0.73	1.69	39,166
1600	60°F	84.51°F	640	0.29	110°F	97.79°F	7	1.33	2.36	42,382
1600	60°F	85.67°F	640	0.29	110°F	100.05°F	9	2.08	3.04	44,398
140° F Entering Water Temperature										
1,000	60°F	105.84°F	400	0.126	140°F	119.86°F	5	0.69	1.69	49,551
1,000	60°F	108.37°F	400	0.126	140°F	124.82°F	7	1.25	2.36	52,285
1,000	60°F	109.88°F	400	0.126	140°F	127.83°F	9	1.94	3.04	53,920
1,300	60°F	100.81°F	520	0.201	140°F	116.70°F	5	0.69	1.69	57,341
1,300	60°F	103.58°F	520	0.201	140°F	122.22°F	7	1.25	2.36	61,238
1,300	60°F	105.27°F	520	0.201	140°F	125.64°F	9	1.94	3.04	63,614
1,500	60°F	98.08°F	600	0.258	140°F	114.91°F	5	0.69	1.69	61,736
1,500	60°F	100.95°F	600	0.258	140°F	120.72°F	7	1.25	2.36	66,400
1,500	60°F	102.72°F	600	0.258	140°F	124.36°F	9	1.94	3.04	69,275
180° F Entering Water Temperature										
1,000	60°F	129.65°F	400	0.126	180°F	149°F	5	0.63	1.69	75,286
1,000	60°F	133.31°F	400	0.126	180°F	156.69°F	7	1.15	2.36	79,242
1,000	60°F	135.48°F	400	0.126	180°F	161.34°F	9	1.79	3.04	81,586
1,300	60°F	122.13°F	520	0.201	180°F	144.05°F	5	0.63	1.69	87,306
1,300	60°F	126.17°F	520	0.201	180°F	152.65°F	7	1.15	2.36	92,990
1,300	60°F	128.62°F	520	0.201	180°F	157.94°F	9	1.79	3.04	96,420
1,500	60°F	118.04°F	600	0.258	180°F	141.25°F	5	0.63	1.69	94,106
1,500	60°F	122.25°F	600	0.258	180°F	150.31°F	7	1.15	2.36	100,937
1,500	60°F	124.82°F	600	0.258	180°F	155.96°F	9	1.79	3.04	105,105
2,000	60°F	121.56°F	800	0.43	180°F	161.73°F	15	4.43	5.06	133,086



► WSD 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	.0055 Corrugated Aluminum Fins
Face Area	2.64 Square Feet
Approx Weight of Coil	15.24 lbs.
Number of Circuits	9

CFM Flow	Entering Air Dry Bulb	Leaving Air Dry Bulb	Face Velocity SFPM	Air Pressure Drop IN. WG.	Entering Water Temp	Leaving Water Temp	GPM # Gallon	Water Pressure Drop in FTHD	Liquid Velocity FPS	Total BTU BTU/HR
40° F Entering Water Temperature (Drain pan not included)										
1050	80°F	58.7°F	398	0.228	40°F	48°F	9	2.78	3.04	36,094
110° F Entering Water Temperature										
1600	60°F	83.10°F	606.32	0.26	110°F	93.89°F	5	0.78	1.69	39,949
1600	60°F	84.98°F	606.32	0.26	110°F	97.55°F	7	1.41	2.36	43,206
1600	60°F	86.16°F	606.32	0.26	110°F	99.86°F	9	2.21	3.04	45,239
140° F Entering Water Temperature										
1,000	60°F	106.61°F	378.95	0.114	140°F	119.52°F	5	0.727	1.69	50,387
1,000	60°F	109.15°F	378.95	0.114	140°F	124.58°F	7	1.32	2.36	53,130
1,000	60°F	110.66°F	378.95	0.114	140°F	127.64°F	9	2.06	3.04	54,766
1,300	60°F	101.55°F	492.63	0.182	140°F	116.27°F	5	0.727	1.69	58,391
1,300	60°F	104.35°F	492.63	0.182	140°F	121.91°F	7	1.32	2.36	62,323
1,300	60°F	106.05°F	492.63	0.182	140°F	125.39°F	9	2.06	3.04	64,712
1,500	60°F	98.80°F	568.42	0.235	140°F	114.43°F	5	0.727	1.69	62,912
1,500	60°F	101.71°F	568.42	0.235	140°F	120.37°F	7	1.32	2.36	67,629
1,500	60°F	103.50°F	568.42	0.235	140°F	124.08°F	9	2.06	3.04	70,529
180° F Entering Water Temperature										
1,000	60°F	130.78°F	378.95	0.114	180°F	148.49°F	5	0.67	1.69	76,515
1,000	60°F	134.46°F	378.95	0.114	180°F	156.33°F	7	1.22	2.36	80,487
1,000	60°F	136.63°F	378.95	0.114	180°F	161.05°F	9	1.9	3.04	82,834
1,300	60°F	123.23°F	492.63	0.182	180°F	143.41°F	5	0.67	1.69	88,849
1,300	60°F	127.31°F	492.63	0.182	180°F	152.18°F	7	1.22	2.36	94,588
1,300	60°F	129.77°F	492.63	0.182	180°F	157.57°F	9	1.9	3.04	98,041
1,500	60°F	119.10°F	568.42	0.235	180°F	140.54°F	5	0.67	1.69	95,832
1,500	60°F	123.37°F	568.42	0.235	180°F	149.78°F	7	1.22	2.36	102,749
1,500	60°F	125.96°F	568.42	0.235	180°F	155.53°F	9	1.9	3.04	106,956
2,100	60°F	121.47°F	795.79	0.426	180°F	160.85°F	15	4.69	5.06	139,551



WSD 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	.0055 Corrugated Aluminum Fins
Face Area	2.64 Square Feet
Approx Weight of Coil	15.26 lbs.
Number of Circuits	10

CFM Flow	Entering Air Dry Bulb	Leaving Air Dry Bulb	Face Velocity SFPM	Air Pressure Drop IN. WG.	Entering Water Temp	Leaving Water Temp	GPM # Gallon	Water Pressure Drop in FTHD	Liquid Velocity FPS	Total BTU BTU/HR
40° F Entering Water Temperature (Drain pan not included)										
1075	80°F	58.6°F	407	0.238	40°F	47.4°F	10	2.54	3.04	37,188
110° F Entering Water Temperature										
1600	60°F	82.81°F	606.32	0.26	110°F	94.09°F	5	0.59	1.52	39,454
1600	60°F	84.73°F	606.32	0.26	110°F	97.68°F	7	1.07	2.13	42,768
1600	60°F	85.93°F	606.32	0.26	110°F	99.95°F	9	1.67	2.73	44,849
140° F Entering Water Temperature										
1,000	60°F	106.22°F	378.95	0.114	140°F	119.69°F	5	0.55	1.52	49,965
1,000	60°F	108.83°F	378.95	0.114	140°F	124.68°F	7	1	2.13	52,779
1,000	60°F	110.39°F	378.95	0.114	140°F	127.7	9	1.56	2.73	54,464
1,300	60°F	101.14°F	492.63	0.182	140°F	116.50°F	5	0.55	1.52	57,814
1,300	60°F	104.00°F	492.63	0.182	140°F	122.05°F	7	1	2.13	61,829
1,300	60°F	105.74°F	492.63	0.182	140°F	125.49°F	9	1.56	2.73	64,282
1,500	60°F	98.38°F	568.42	0.24	140°F	114.71°F	5	0.55	1.52	62,237
1,500	60°F	101.35°F	568.42	0.24	140°F	120.54°F	7	1	2.13	67,042
1,500	60°F	103.18°F	568.42	0.24	140°F	124.19°F	9	1.56	2.73	70,012
180° F Entering Water Temperature										
1,000	60°F	130.27°F	378.95	0.114	180°F	148.72°F	5	0.51	1.52	75,956
1,000	60°F	134.03°F	378.95	0.114	180°F	156.46°F	7	0.92	2.13	80,026
1,000	60°F	136.27°F	378.95	0.114	180°F	161.14°F	9	1.44	2.73	82,440
1,300	60°F	122.68°F	492.63	0.182	180°F	143.73°F	5	0.51	1.52	88,081
1,300	60°F	126.85°F	492.63	0.182	180°F	152.37°F	7	0.92	2.13	93,936
1,300	60°F	129.37°F	492.63	0.182	180°F	157.70°F	9	1.44	2.73	97,477
1,500	60°F	118.55°F	568.42	0.24	180°F	140.91°F	5	0.51	1.52	94,934
1,500	60°F	122.89°F	568.42	0.24	180°F	150.01°F	7	0.92	2.13	101,974
1,500	60°F	125.55°F	568.42	0.24	180°F	155.69°F	9	1.44	2.73	106,277
2,100	60°F	119.92°F	795.79	0.43	180°F	161.33°F	15	4.79	5.06	136,026



► WSD 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	.0055 Corrugated Aluminum Fins
Face Area	2.78 Square Feet
Approx Weight of Coil	16.03 lbs.
Number of Circuits	10

CFM Flow	Entering Air Dry Bulb	Leaving Air Dry Bulb	Face Velocity SFPM	Air Pressure Drop IN. WG.	Entering Water Temp	Leaving Water Temp	GPM # Gallon	Water Pressure Drop in FTHD	Liquid Velocity FPS	Total BTU BTU/HR
40° F Entering Water Temperature (Drain pan not included)										
1100	80°F	58.7°F	396	0.226	40°F	47.6°F	10	2.62	3.04	38,125
110° F Entering Water Temperature										
1600	60°F	83.25°F	576	0.24	110°F	93.79°F	5	0.61	1.52	40,203
1600	60°F	85.18°F	576	0.24	110°F	97.45°F	7	1.11	2.13	43,556
1600	60°F	86.40°F	576	0.24	110°F	99.77°F	9	1.73	2.73	45,653
140° F Entering Water Temperature										
1,000	60°F	106.96°F	360	0.105	140°F	119.37°F	5	0.57	1.52	50,763
1,000	60°F	109.57°F	360	0.105	140°F	124.44°F	7	1.03	2.13	53,585
1,000	60°F	111.13°F	360	0.105	140°F	127.52°F	9	1.61	2.73	55,269
1,300	60°F	101.86°F	468	0.166	140°F	116.10°F	5	0.57	1.52	58,818
1,300	60°F	104.74°F	468	0.166	140°F	121.75°F	7	1.03	2.13	62,865
1,300	60°F	106.49°F	468	0.166	140°F	125.25°F	9	1.61	2.73	65,329
1,500	60°F	99.08°F	540	0.214	140°F	114.25°F	5	0.57	1.52	63,362
1,500	60°F	102.07°F	540	0.214	140°F	120.20°F	7	1.03	2.13	68,217
1,500	60°F	103.92°F	540	0.214	140°F	123.92°F	9	1.61	2.73	71,209
180° F Entering Water Temperature										
1,000	60°F	131.35°F	360	0.105	180°F	148.24°F	5	0.52	1.52	77,128
1,000	60°F	135.13°F	360	0.105	180°F	156.11°F	7	0.95	2.13	81,211
1,000	60°F	137.36°F	360	0.105	180°F	160.87°F	9	1.49	2.73	83,627
1,300	60°F	123.73°F	468	0.166	180°F	143.12°F	5	0.52	1.52	89,555
1,300	60°F	127.93°F	468	0.166	180°F	151.92°F	7	0.95	2.13	95,462
1,300	60°F	130.47°F	468	0.166	180°F	157.35°F	9	1.49	2.73	99,021
1,500	60°F	119.57°F	540	0.214	180°F	140.23°F	5	0.52	1.52	96,586
1,500	60°F	123.96°F	540	0.214	180°F	149.50°F	7	0.95	2.13	103,703
1,500	60°F	126.63°F	540	0.214	180°F	155.28°F	9	1.49	2.73	108,043
2,200	60°F	121.05°F	792	0.423	180°F	160.07°F	15	3.67	4.56	145,172



WSD 22 X 22 HOT WATER COIL

Fin Height x Fin Length	22.0 In. x 22.0 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	.0055 Corrugated Aluminum Fins
Face Area	3.36 Square Feet
Approx Weight of Coil	19.32 lbs.
Number of Circuits	11

CFM Flow	Entering Air Dry Bulb	Leaving Air Dry Bulb	Face Velocity SFPM	Air Pressure Drop IN. WG.	Entering Water Temp	Leaving Water Temp	GPM # Gallon	Water Pressure Drop in FTHD	Liquid Velocity FPS	Total BTU BTU/HR
40° F Entering Water Temperature (Drain pan not included)										
1350	80°F	58.5°F	402	0.232	40°F	47.9°F	12	3.27	3.31	47,188
110° F Entering Water Temperature										
2000	60°F	81.86°F	595.04	0.25	110°F	90.94°F	5	0.55	1.38	47,267
2000	60°F	83.99°F	595.04	0.25	110°F	95.06°F	7	1	1.93	51,865
2000	60°F	85.34°F	595.04	0.25	110°F	97.73°F	9	1.56	2.49	54,782
140° F Entering Water Temperature										
1,600	60°F	99.99°F	476.03	0.172	140°F	111.89°F	5	0.513	1.38	69,161
1,600	60°F	103.20°F	476.03	0.172	140°F	118.31°F	7	0.93	1.93	74,721
1,600	60°F	105.18°F	476.03	0.172	140°F	122.36°F	9	1.45	2.49	78,140
2,000	60°F	95.60°F	595.04	0.255	140°F	108.72°F	5	0.513	1.38	76,973
2,000	60°F	98.96°F	595.04	0.255	140°F	115.55°F	7	0.93	1.93	84,237
2,000	60°F	101.08°F	595.04	0.255	140°F	119.95°F	9	1.45	2.49	88,801
2,400	60°F	92.13°F	714.05	0.352	140°F	106.12°F	5	0.513	1.38	83,363
2,400	60°F	95.55°F	714.05	0.352	140°F	113.22°F	7	0.93	1.93	92,236
2,400	60°F	97.74°F	714.05	0.352	140°F	117.89°F	9	1.45	2.49	97,913
180° F Entering Water Temperature										
1,600	60°F	120.91°F	476.03	0.172	180°F	136.62°F	5	0.47	1.38	105,352
1,600	60°F	125.64°F	476.03	0.172	180°F	146.61°F	7	0.86	1.93	113,533
1,600	60°F	128.52°F	476.03	0.172	180°F	152.89°F	9	1.34	2.49	118,511
2,000	60°F	114.32°F	595.04	0.255	180°F	131.64°F	5	0.47	1.38	117,441
2,000	60°F	119.30°F	595.04	0.255	180°F	142.29°F	7	0.86	1.93	128,204
2,000	60°F	122.40°F	595.04	0.255	180°F	149.14°F	9	1.34	2.49	134,892
2,400	60°F	109.09°F	714.05	0.352	180°F	127.56°F	5	0.47	1.38	127,346
2,400	60°F	114.18°F	714.05	0.352	180°F	138.66°F	7	0.86	1.93	140,564
2,400	60°F	117.41°F	714.05	0.352	180°F	145.93°F	9	1.34	2.49	148,927
2,600	60°F	121.88°F	773.55	0.405	180°F	160.11°F	18	4.58	4.97	173,923



► WSD 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	.0055 Corrugated Aluminum Fins
Face Area	3.82 Square Feet
Approx Weight of Coil	21.86 lbs.
Number of Circuits	11

CFM Flow	Entering Air Dry Bulb	Leaving Air Dry Bulb	Face Velocity SFPM	Air Pressure Drop IN. WG.	Entering Water Temp	Leaving Water Temp	GPM # Gallon	Water Pressure Drop in FTHD	Liquid Velocity FPS	Total BTU BTU/HR
40° F Entering Water Temperature (Drain pan not included)										
1550	80°F	58.8°F	406	0.236	40°F	48.8°F	12	3.57	3.31	52,813
110° F Entering Water Temperature										
2000	60°F	82.88°F	523.64	0.2	110°F	90.05°F	5	0.6	1.38	49,460
2000	60°F	85.08°F	523.64	0.2	110°F	94.38°F	7	1.09	1.93	54,218
2000	60°F	86.46°F	523.64	0.2	110°F	97.18°F	9	1.7	2.49	57,213
140° F Entering Water Temperature										
1,600	60°F	101.69°F	418.91	0.14	140°F	110.70°F	5	0.56	1.38	72,095
1,600	60°F	104.98°F	418.91	0.14	140°F	117.41°F	7	1.02	1.93	77,802
1,600	60°F	106.99°F	418.91	0.14	140°F	121.65°F	9	1.59	2.49	81,280
2,000	60°F	97.20°F	523.64	0.2	140°F	107.32°F	5	0.56	1.38	80,412
2,000	60°F	100.68°F	523.64	0.2	140°F	114.47°F	7	1.02	1.93	87,941
2,000	60°F	102.85°F	523.64	0.2	140°F	119.08°F	9	1.59	2.49	92,632
2,400	60°F	93.62°F	628.36	0.28	140°F	104.55°F	5	0.56	1.38	87,216
2,400	60°F	97.19°F	628.36	0.28	140°F	111.99°F	7	1.02	1.93	96,475
2,400	60°F	99.45°F	628.36	0.28	140°F	116.89°F	9	1.59	2.49	102,356
180° F Entering Water Temperature										
1,600	60°F	123.40°F	418.91	0.14	180°F	134.85°F	5	0.52	1.38	109,649
1,600	60°F	128.26°F	418.91	0.14	180°F	145.28°F	7	0.94	1.93	118,059
1,600	60°F	131.20°F	418.91	0.14	180°F	151.83°F	9	1.47	2.49	123,136
2,000	60°F	116.65°F	523.64	0.2	180°F	129.57°F	5	0.52	1.38	122,477
2,000	60°F	121.82°F	523.64	0.2	180°F	140.69°F	7	0.94	1.93	133,649
2,000	60°F	125.01°F	523.64	0.2	180°F	147.85°F	9	1.47	2.49	140,537
2,400	60°F	111.26°F	628.36	0.28	180°F	125.24°F	5	0.52	1.38	132,990
2,400	60°F	116.59°F	628.36	0.28	180°F	145.28°F	7	0.94	1.93	146,799
2,400	60°F	119.93°F	628.36	0.28	180°F	144.43°F	9	1.47	2.49	155,478
3,000	60°F	120.91°F	785.46	0.42	180°F	157.41°F	18	5.01	4.97	197,534



WSD 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	.0055 Corrugated Aluminum Fins
Face Area	4.0 Square Feet
Approx Weight of Coil	22.92 lbs.
Number of Circuits	12

CFM Flow	Entering Air Dry Bulb	Leaving Air Dry Bulb	Face Velocity SFPM	Air Pressure Drop IN. WG.	Entering Water Temp	Leaving Water Temp	GPM # Gallon	Water Pressure Drop in FTHD	Liquid Velocity FPS	Total BTU BTU/HR
40° F Entering Water Temperature (Drain pan not included)										
1550	80°F	58.8°F	406	0.236	40°F	48.8°F	12	3.57	3.31	52,813
110° F Entering Water Temperature										
2400	60°F	80.77°F	600	0.26	110°F	88.27°F	5	0.5	1.27	53,876
2400	60°F	83.06°F	600	0.26	110°F	92.77°F	7	0.91	1.77	59,825
2400	60°F	84.54°F	600	0.26	110°F	95.74°F	9	1.42	2.28	63,652
140° F Entering Water Temperature										
1,600	60°F	101.96°F	400	0.126	140°F	110.51°F	5	0.47	1.27	72,566
1,600	60°F	105.33°F	400	0.126	140°F	117.24°F	7	0.85	1.77	78,400
1,600	60°F	107.39°F	400	0.126	140°F	121.24°F	9	1.32	2.28	81,960
2,000	60°F	97.43°F	500	0.19	140°F	107.11°F	5	0.47	1.27	80,919
2,000	60°F	100.99°F	500	0.19	140°F	114.27°F	7	0.85	1.77	88,615
2,000	60°F	103.21°F	500	0.19	140°F	118.91°F	9	1.32	2.28	93,420
2,400	60°F	93.82°F	600	0.26	140°F	104.34°F	5	0.47	1.27	87,742
2,400	60°F	97.47°F	600	0.26	140°F	111.78°F	7	0.85	1.77	97,204
2,400	60°F	99.79°F	600	0.26	140°F	116.69°F	9	1.32	2.28	103,230
180° F Entering Water Temperature										
1,600	60°F	123.84°F	400	0.126	180°F	134.53°F	5	0.43	1.27	110,417
1,600	60°F	128.81°F	400	0.126	180°F	144.99°F	7	0.78	1.77	119,013
1,600	60°F	131.82°F	400	0.126	180°F	151.59°F	9	1.22	2.28	124,207
2,000	60°F	117.04°F	500	0.19	180°F	129.22°F	5	0.43	1.27	123,315
2,000	60°F	122.32°F	500	0.19	180°F	140.37°F	7	0.78	1.77	134,734
2,000	60°F	125.58°F	500	0.19	180°F	147.56°F	9	1.22	2.28	141,789
2,400	60°F	111.60°F	600	0.26	180°F	124.88°F	5	0.43	1.27	133,864
2,400	60°F	117.04°F	600	0.26	180°F	136.47°F	7	0.78	1.77	147,983
2,400	60°F	120.47°F	600	0.26	180°F	144.11°F	9	1.22	2.28	156,875
3,200	60°F	120.78°F	800	0.43	180°F	158.36°F	20	5.02	5.06	210,256

