

### HOT WATER COIL | PERFORMANCE DATA

UNIT SIZE	ROWS	GPM	HEAD LOSS	AIRFLOW, CFM & RESULTING MBH						
				50	125	200	275	350	425	500
4 - 5 - 6	1	1.0	0.47	3.7	6.2	7.8	9.0	9.8	10.6	11.2
		2.0	1.82	3.8	6.6	8.5	9.9	11.0	11.9	12.7
		3.0	3.98	3.9	6.8	8.7	10.2	11.4	12.4	13.3
		4.0	6.96	3.9	6.9	8.9	10.4	11.7	12.7	13.6
		<b>AIR PRESSURE DROP</b>		<b>0.00</b>	<b>0.02</b>	<b>0.04</b>	<b>0.06</b>	<b>0.10</b>	<b>0.13</b>	<b>0.18</b>
	2	1.0	0.12	5.0	9.3	12.0	14.0	15.5	16.7	17.6
		2.0	0.47	5.3	10.2	10.2	16.1	18.2	19.9	21.3
		4.0	1.81	5.4	10.7	14.5	17.5	20.0	22.1	24.0
		6.0	3.98	5.4	10.9	14.9	18.1	20.7	23.0	25.0
		<b>AIR PRESSURE DROP</b>		<b>0.01</b>	<b>0.04</b>	<b>0.08</b>	<b>0.14</b>	<b>0.21</b>	<b>0.29</b>	<b>0.38</b>
	3	1.5	0.40	6.0	12.4	16.8	20.2	22.8	24.9	26.7
		2.0	0.70	6.1	12.7	17.5	21.1	24.1	26.6	28.7
		4.0	2.68	6.2	13.2	18.5	22.8	26.4	29.5	32.2
		6.0	5.88	6.2	13.3	18.9	23.5	27.3	30.7	33.6
		<b>AIR PRESSURE DROP</b>		<b>0.01</b>	<b>0.06</b>	<b>0.12</b>	<b>0.21</b>	<b>0.31</b>	<b>0.43</b>	<b>0.57</b>
	4	2.0	0.50	6.4	14.0	19.6	24.0	27.5	30.4	32.8
3.0		1.11	6.5	14.3	20.4	25.4	29.4	32.9	35.8	
4.0		1.95	6.5	14.5	20.9	26.1	30.5	34.3	37.5	
6.0		4.32	6.5	14.7	21.3	26.9	31.6	35.8	39.4	
<b>AIR PRESSURE DROP</b>		<b>0.02</b>	<b>0.08</b>	<b>0.16</b>	<b>0.28</b>	<b>0.42</b>	<b>0.58</b>	<b>0.76</b>		
<b>CFM RANGE</b>			<b>SIZE 4</b>							
			<b>SIZE 5</b>							
			<b>SIZE 6</b>							

UNIT SIZE	ROWS	GPM	HEAD LOSS	AIRFLOW, CFM & RESULTING MBH						
				160	285	410	535	660	785	900
7 - 8	1	1.0	0.64	8.0	10.5	12.1	13.4	14.4	15.2	15.8
		2.0	2.45	8.6	11.5	13.6	15.2	16.5	17.6	18.5
		3.0	5.37	8.8	11.9	14.2	16.0	17.4	18.6	19.6
		4.0	9.37	8.9	12.2	14.5	16.4	17.9	19.2	20.3
		<b>AIR PRESSURE DROP</b>		<b>0.02</b>	<b>0.04</b>	<b>0.08</b>	<b>0.12</b>	<b>0.18</b>	<b>0.24</b>	<b>0.30</b>
	2	1.0	0.17	11.8	15.9	18.7	20.6	22.2	23.4	24.3
		2.0	0.64	13.0	18.4	22.2	25.1	27.4	29.4	30.9
		4.0	2.44	13.7	19.9	24.5	28.2	31.2	33.8	35.9
		6.0	5.36	14.0	20.5	25.5	29.5	32.8	35.7	38.0
		<b>AIR PRESSURE DROP</b>		<b>0.04</b>	<b>0.09</b>	<b>0.17</b>	<b>0.26</b>	<b>0.37</b>	<b>0.50</b>	<b>0.63</b>
	3	1.5	0.28	15.4	21.9	26.3	29.5	32.0	33.9	35.4
		2.0	0.50	15.9	23.1	28.2	32.0	35.0	37.4	39.3
		4.0	1.95	16.7	25.1	31.5	36.5	40.7	44.2	47.0
		6.0	4.32	17.0	25.9	32.8	38.3	43.0	47.0	50.2
		<b>AIR PRESSURE DROP</b>		<b>0.05</b>	<b>0.14</b>	<b>0.25</b>	<b>0.39</b>	<b>0.56</b>	<b>0.75</b>	<b>0.94</b>
	4	2.0	0.36	17.6	26.2	32.2	36.7	40.2	43.0	45.2
3.0		0.79	18.2	27.7	34.8	40.4	44.8	48.5	51.4	
4.0		1.40	18.5	28.6	36.3	42.5	47.5	51.8	55.2	
6.0		3.12	18.8	29.4	37.9	44.8	50.6	55.6	59.6	
<b>AIR PRESSURE DROP</b>		<b>0.07</b>	<b>0.18</b>	<b>0.34</b>	<b>0.53</b>	<b>0.75</b>	<b>1.00</b>	<b>1.26</b>		
<b>CFM RANGE</b>			<b>SIZE 7</b>							
			<b>SIZE 8</b>							

NOTES: Hot water capacities are in MBH. Data is based upon 180°F entering water with 0% Glycol and 55°F entering air. Head loss is in feet of water. Air Temperature Rise = 927xMBH/CFM. Water Temperature Drop = 2.04xMBH/GPM. Coils are not for steam application. Contact your local Krueger representative for steam coil information. Tables are based upon a temperature difference of 125°F between entering air and entering water. For other temperature differences, multiply MBH values by correction factors provided on page 16. MBH correction factors are averaged across all LMHS unit sizes and may differ slightly than actual results. See selection software for specific hot water coil data. Airside ΔPs is defined as the minimum static pressure at the maximum CFM with the damper full open.

**HOT WATER COIL | PERFORMANCE DATA (CONTINUED)**

UNIT SIZE	ROWS	GPM	HEAD LOSS	AIRFLOW, CFM & RESULTING MBH						
				250	445	640	835	1030	1225	1400
9 - 10	1	1.0	0.13	10.2	13.0	14.8	16.0	17.0	17.8	18.3
		2.0	0.41	11.3	14.8	17.2	19.0	20.4	21.6	22.4
		3.0	0.87	11.7	15.6	18.2	20.2	21.8	23.2	24.2
		4.0	1.51	11.9	16.0	18.8	20.9	22.6	24.1	25.2
		<b>AIR PRESSURE DROP</b>		<b>0.02</b>	<b>0.04</b>	<b>0.07</b>	<b>0.11</b>	<b>0.15</b>	<b>0.20</b>	<b>0.25</b>
	2	1.5	0.19	17.4	23.5	27.4	30.1	32.1	33.8	35.0
		2.0	0.27	18.2	25.2	29.9	33.3	35.9	38.0	39.6
		4.0	0.99	19.5	27.9	33.9	38.5	42.2	45.3	47.6
		6.0	2.13	20.0	29.0	35.5	40.7	44.8	48.3	51.0
		<b>AIR PRESSURE DROP</b>		<b>0.03</b>	<b>0.08</b>	<b>0.14</b>	<b>0.22</b>	<b>0.31</b>	<b>0.40</b>	<b>0.50</b>
	3	2.0	0.22	25.8	34.7	39.8	43.2	45.7	47.6	49.0
		3.0	0.38	27.1	37.9	44.6	49.2	52.7	55.5	57.5
		4.0	0.66	27.8	39.5	47.1	52.4	56.5	59.8	62.2
		6.0	1.41	28.5	41.2	49.8	56.0	60.8	64.7	67.6
		<b>AIR PRESSURE DROP</b>		<b>0.04</b>	<b>0.12</b>	<b>0.22</b>	<b>0.34</b>	<b>0.48</b>	<b>0.64</b>	<b>0.80</b>
	4	2.5	0.46	26.9	41.2	48.5	53.6	57.2	60.0	62.0
		3.0	0.66	27.4	42.8	51.3	57.1	61.5	64.9	67.3
		4.0	1.16	28.0	44.7	54.4	61.3	66.5	70.6	73.7
		6.0	2.58	28.7	46.7	57.7	65.8	72.1	77.2	81.0
		<b>AIR PRESSURE DROP</b>		<b>0.08</b>	<b>0.16</b>	<b>0.29</b>	<b>0.45</b>	<b>0.64</b>	<b>0.86</b>	<b>1.07</b>
<b>CFM RANGE</b>			<b>SIZE 9</b>							
			<b>SIZE 10</b>							

UNIT SIZE	ROWS	GPM	HEAD LOSS	AIRFLOW, CFM & RESULTING MBH						
				400	660	920	1180	1440	1700	1950
12	1	1.0	0.17	14.5	17.5	19.3	20.7	21.8	22.6	23.3
		2.0	0.51	16.5	20.6	23.4	25.6	27.3	28.7	29.8
		3.0	1.10	17.2	21.8	25.0	27.5	29.5	31.1	32.5
		4.0	1.90	17.6	22.4	25.9	28.6	30.7	32.6	34.1
		<b>AIR PRESSURE DROP</b>		<b>0.02</b>	<b>0.05</b>	<b>0.08</b>	<b>0.11</b>	<b>0.16</b>	<b>0.20</b>	<b>0.25</b>
	2	1.5	0.23	25.1	31.6	35.8	38.8	41.0	42.8	44.2
		2.0	0.32	26.7	34.5	39.8	43.7	46.7	49.1	51.0
		4.0	1.17	29.3	39.3	46.5	52.0	56.5	60.2	63.2
		6.0	2.51	30.2	41.1	49.1	55.5	60.6	65.0	68.5
		<b>AIR PRESSURE DROP</b>		<b>0.04</b>	<b>0.09</b>	<b>0.15</b>	<b>0.23</b>	<b>0.31</b>	<b>0.41</b>	<b>0.51</b>
	3	2.0	0.26	37.3	46.5	51.9	55.5	58.2	60.2	61.7
		3.0	0.45	40.2	52.2	59.7	64.9	68.3	72.0	74.4
		4.0	0.77	41.7	55.1	63.8	70.1	74.8	79.5	81.7
		6.0	1.66	43.1	58.2	68.4	75.9	81.7	86.4	90.2
		<b>AIR PRESSURE DROP</b>		<b>0.06</b>	<b>0.13</b>	<b>0.23</b>	<b>0.35</b>	<b>0.50</b>	<b>0.65</b>	<b>0.82</b>
	4	2.5	0.26	43.0	56.0	63.9	69.2	73.0	75.9	78.1
		3.0	0.31	44.3	59.1	68.3	74.7	79.5	83.1	86.0
		4.0	1.29	42.6	62.5	73.6	81.5	87.4	92.1	95.8
		6.0	2.88	44.0	66.2	79.3	89.0	96.6	102.6	107.5
		<b>AIR PRESSURE DROP</b>		<b>0.08</b>	<b>0.18</b>	<b>0.31</b>	<b>0.47</b>	<b>0.66</b>	<b>0.87</b>	<b>1.10</b>

NOTES: Hot water capacities are in MBH. Data is based upon 180°F entering water with 0% Glycol and 55°F entering air. Head loss is in feet of water. Air Temperature Rise = 927xMBH/CFM. Water Temperature Drop = 2.04xMBH/GPM. Coils are not for steam application. Contact your local Krueger representative for steam coil information. Tables are based upon a temperature difference of 125°F between entering air and entering water. For other temperature differences, multiply MBH values by correction factors provided on the next page. MBH correction factors are averaged across all LMHS unit sizes and may differ slightly than actual results. See selection software for specific hot water coil data. Airside ΔPs is defined as the minimum static pressure at the maximum CFM with the damper full open.

### HOT WATER COIL | PERFORMANCE DATA (CONTINUED)

UNIT SIZE	ROWS	GPM	HEAD LOSS	AIRFLOW, CFM & RESULTING MBH						
				500	860	1220	1580	1940	2300	2650
14	1	1.0	0.08	17.3	20.7	22.7	24.1	25.1	25.9	26.5
		2.0	0.22	21.0	26.6	30.2	32.9	35.0	36.6	38.0
		3.0	0.46	22.3	28.7	33.1	36.3	38.9	41.0	42.8
		4.0	0.79	23.0	29.9	34.7	38.3	41.2	43.6	45.6
		<b>AIR PRESSURE DROP</b>		<b>0.02</b>	<b>0.04</b>	<b>0.07</b>	<b>0.10</b>	<b>0.14</b>	<b>0.18</b>	<b>0.23</b>
	2	2.0	0.23	33.2	43.1	49.4	53.8	57.0	59.5	61.5
		3.0	0.41	35.9	48.4	56.8	62.9	67.6	71.4	74.5
		4.0	0.70	37.3	51.2	60.8	68.0	73.7	78.4	82.1
		6.0	1.51	38.8	54.2	65.4	73.9	80.8	86.5	91.2
		<b>AIR PRESSURE DROP</b>		<b>0.03</b>	<b>0.07</b>	<b>0.13</b>	<b>0.20</b>	<b>0.28</b>	<b>0.36</b>	<b>0.46</b>
	3	2.5	0.25	49.1	63.0	70.8	75.8	79.4	82.1	84.2
		3.0	0.30	51.1	67.1	76.4	82.7	87.2	90.7	93.4
		4.0	0.52	53.3	71.9	83.3	91.2	97.1	101.6	105.2
		6.0	1.10	55.5	77.0	91.1	101.1	108.7	114.8	119.6
		<b>AIR PRESSURE DROP</b>		<b>0.04</b>	<b>0.11</b>	<b>0.20</b>	<b>0.31</b>	<b>0.43</b>	<b>0.57</b>	<b>0.73</b>
	4	3.5	0.28	56.7	77.2	89.4	97.5	103.3	107.7	111.0
		4.0	0.92	53.5	80.2	94.1	103.5	110.3	115.6	119.7
		5.0	1.43	54.8	83.9	99.8	111.0	119.3	125.7	130.8
		6.0	2.05	55.6	86.4	103.9	116.4	125.8	133.3	139.2
		<b>AIR PRESSURE DROP</b>		<b>0.06</b>	<b>0.15</b>	<b>0.26</b>	<b>0.41</b>	<b>0.58</b>	<b>0.77</b>	<b>0.97</b>

UNIT SIZE	ROWS	GPM	HEAD LOSS	AIRFLOW, CFM & RESULTING MBH						
				700	1135	1570	2005	2440	2875	3300
16	1	1.5	0.16	24.7	29.4	32.5	34.7	36.4	37.7	38.8
		2.0	0.24	26.5	32.2	36.0	38.8	41.0	42.8	44.3
		3.0	0.52	28.5	35.2	39.9	43.4	46.2	48.5	50.4
		4.0	0.89	29.5	36.9	42.1	46.0	49.2	51.9	54.1
		<b>AIR PRESSURE DROP</b>		<b>0.02</b>	<b>0.04</b>	<b>0.07</b>	<b>0.11</b>	<b>0.15</b>	<b>0.19</b>	<b>0.24</b>
	2	2.0	0.09	38.9	47.0	52.0	55.5	58.0	59.9	61.5
		3.0	0.18	44.7	56.1	63.7	69.2	73.3	76.6	82.8
		4.0	0.27	47.3	62.4	72.0	79.2	82.7	87.1	90.7
		6.0	0.58	50.1	65.9	77.3	86.0	93.0	98.7	103.5
		<b>AIR PRESSURE DROP</b>		<b>0.04</b>	<b>0.09</b>	<b>0.15</b>	<b>0.22</b>	<b>0.30</b>	<b>0.39</b>	<b>0.48</b>
	3	2.5	0.11	56.7	67.0	72.7	76.4	79.1	81.0	82.6
		3.0	0.15	60.9	73.6	80.9	85.7	89.2	91.9	93.9
		4.0	0.23	66.5	82.9	92.9	99.7	104.7	108.6	111.7
		6.0	0.44	71.2	92.1	105.7	115.3	122.5	128.3	132.9
		<b>AIR PRESSURE DROP</b>		<b>0.06</b>	<b>0.13</b>	<b>0.22</b>	<b>0.34</b>	<b>0.47</b>	<b>0.62</b>	<b>0.78</b>
	4	3.0	0.10	65.7	80.0	88.0	93.2	96.8	99.4	101.5
		4.0	0.16	72.1	91.4	102.9	110.6	116.2	120.4	123.7
		5.0	0.24	76.0	98.8	113.2	123.1	129.8	136.0	140.5
		6.0	0.31	78.0	103.7	120.4	132.2	141.1	148.0	153.5
		<b>AIR PRESSURE DROP</b>		<b>0.08</b>	<b>0.17</b>	<b>0.30</b>	<b>0.45</b>	<b>0.62</b>	<b>0.82</b>	<b>1.03</b>

MBH CORRECTION FACTORS FOR OTHER ENTERING CONDITIONS								
DELTA-T	50	60	70	80	90	100	115	125
FACTOR	0.38	0.46	0.54	0.62	0.70	0.78	0.89	1.00

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**HOT WATER COIL | PERFORMANCE DATA (CONTINUED)**

UNIT SIZE	ROWS	GPM	HEAD LOSS	AIRFLOW, CFM & RESULTING MBH						
				450	675	900	1125	1350	1575	1800
20	1	1.0	0.09	13.3	15.2	16.6	17.6	18.4	19.1	19.6
		2.0	0.35	15.4	18.1	20.1	21.6	22.9	24.0	24.9
		3.0	0.76	16.3	19.4	21.7	23.5	25.0	26.3	27.4
		4.0	1.32	16.9	20.2	22.6	24.6	26.3	27.7	28.9
		<b>AIR PRESSURE DROP</b>		<b>0.05</b>	<b>0.11</b>	<b>0.19</b>	<b>0.27</b>	<b>0.37</b>	<b>0.49</b>	<b>0.62</b>
	2	1.0	0.20	21.6	25.2	27.5	29.3	30.6	31.7	32.6
		2.0	0.75	25.9	31.3	35.2	38.2	40.6	42.6	44.3
		4.0	2.86	28.8	35.7	40.9	45.1	48.6	51.6	54.1
		6.0	6.25	29.9	37.5	43.3	48.1	52.1	55.5	58.5
		<b>AIR PRESSURE DROP</b>		<b>0.12</b>	<b>0.24</b>	<b>0.40</b>	<b>0.57</b>	<b>0.78</b>	<b>1.01</b>	<b>1.26</b>
	3	1.0	0.30	28.2	32.7	35.6	37.6	39.2	40.3	41.3
		2.0	1.14	33.9	41.4	46.8	50.8	54.0	56.6	58.8
		4.0	4.30	37.4	47.3	54.9	60.9	65.8	70.0	73.6
		6.0	9.38	38.7	49.6	58.1	65.1	70.9	75.9	80.2
		<b>AIR PRESSURE DROP</b>		<b>0.19</b>	<b>0.37</b>	<b>0.59</b>	<b>0.86</b>	<b>1.17</b>	<b>1.14</b>	<b>1.89</b>
	4	1.0	0.41	32.5	37.8	41.0	43.2	44.8	46.0	47.0
		2.0	1.54	39.3	48.7	55.2	60.1	63.9	66.9	69.4
		4.0	5.81	43.3	55.9	65.4	73.1	79.3	84.6	89.1
		6.0	12.65	44.7	58.6	69.5	73.4	85.8	92.2	97.8
		<b>AIR PRESSURE DROP</b>		<b>0.25</b>	<b>0.49</b>	<b>0.79</b>	<b>1.15</b>	<b>1.56</b>	<b>2.02</b>	<b>2.53</b>

UNIT SIZE	ROWS	GPM	HEAD LOSS	AIRFLOW, CFM & RESULTING MBH						
				1250	2045	2840	3635	4430	5225	6000
22	1	1.5	0.21	37.5	43.5	47.1	49.6	51.4	52.9	54.0
		2.0	0.33	41.4	49.1	53.9	57.4	60.0	62.1	63.8
		3.0	0.71	45.5	55.3	61.7	66.4	70.1	73.1	75.5
		4.0	1.21	47.9	58.9	66.4	71.9	76.3	79.9	82.9
		<b>AIR PRESSURE DROP</b>		<b>0.02</b>	<b>0.05</b>	<b>0.09</b>	<b>0.13</b>	<b>0.18</b>	<b>0.24</b>	<b>0.30</b>
	2	2.0	0.11	58.4	67.7	73.0	76.4	78.7	80.5	81.9
		3.0	0.23	69.6	84.7	93.8	99.9	104.4	107.8	110.5
		4.0	0.37	75.8	94.7	107.0	115.6	122.1	127.1	131.1
		6.0	0.78	82.1	105.7	121.7	133.5	142.7	150.0	156.0
		<b>AIR PRESSURE DROP</b>		<b>0.05</b>	<b>0.11</b>	<b>0.18</b>	<b>0.27</b>	<b>0.37</b>	<b>0.48</b>	<b>0.60</b>
	3	2.5	0.13	83.6	93.9	99.2	102.5	104.7	106.4	107.7
		3.0	0.18	92.0	105.7	112.9	117.4	120.6	122.9	124.7
		4.0	0.30	103.7	123.6	134.5	141.5	146.5	150.3	153.2
		6.0	0.57	115.5	143.7	160.6	172.1	180.5	187.0	192.1
		<b>AIR PRESSURE DROP</b>		<b>0.07</b>	<b>0.16</b>	<b>0.28</b>	<b>0.42</b>	<b>0.59</b>	<b>0.77</b>	<b>0.98</b>
	4	3.0	0.12	98.9	113.5	120.8	125.3	128.3	130.6	132.2
		4.0	0.20	113.0	135.3	147.1	154.5	159.6	163.4	166.2
		5.0	0.30	121.9	150.9	166.9	177.3	184.6	190.0	194.2
		6.0	0.40	127.7	162.1	182.3	195.6	205.1	212.4	218.0
		<b>AIR PRESSURE DROP</b>		<b>0.09</b>	<b>0.21</b>	<b>0.37</b>	<b>0.56</b>	<b>0.78</b>	<b>1.03</b>	<b>1.30</b>

MBH CORRECTION FACTORS FOR OTHER ENTERING CONDITIONS									
DELTA-T	50	60	70	80	90	100	115	125	
FACTOR	0.38	0.46	0.54	0.62	0.70	0.78	0.89	1.00	

NOTES: Hot water capacities are in MBH. Data is based upon 180°F entering water with 0% Glycol and 55°F entering air. Head loss is in feet of water. Air Temperature Rise = 927xMBH/CFM. Water Temperature Drop = 2.04xMBH/GPM. Coils are not for steam application. Contact your local Krueger representative for steam coil information. Tables are based upon a temperature difference of 125°F between entering air and entering water. For other temperature differences, multiply MBH values by correction factors provided. MBH correction factors are averaged across all LMHS unit sizes and may differ slightly than actual results. See selection software for specific hot water coil data. Airside ΔPs is defined as the minimum static pressure at the maximum CFM with the damper full open.

### NOTE:

For hot water performance data tables, visit the Krueger website at [www.krueger-hvac.com](http://www.krueger-hvac.com) or download the Krueger selection software to run customized selections. The selection program can provide performance data with different entering air and water conditions as well as show effects of altitude and glycol on the heating performance of the water coil. The selection software also allows selections to be saved in a schedule format that can be imported onto a set of project drawings.

### GLOSSARY OF ABBREVIATIONS

- EAT - Entering Air Temperature (°F)
- EWT - Entering Water Temperature (°F)
- CFM - Cubic Feet/Minute (Air Volume)
- Btuh - Heating Capacity (British Thermal Units/hr)
- MBH - 1,000 Btuh
- WTD - Water Temperature Drop (°F)
- ATR - Air Temperature Rise (°F)
- LAT - Leaving Air Temperature (°F)
- kW - Heating Capacity (kilowatts)
- Ps - Static Pressure Drop ("WG)
- GPM - Gallon Per Minute
- WPD - Water Pressure Drop or Head Loss (ft WG)