

LMHS

LMHS Hot Water Coil Performance Data

LMHS HOT WATER COIL PERFORMANCE DATA, SIZES 4 - 8, 1 - 4 ROWS

SINGLE DUCT TERMINAL UNITS

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
		Air Pressure Drop		0.00	0.02	0.04	0.06	0.10	0.13	0.18
	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	13.5	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
		Air Pressure Drop		0.01	0.04	0.08	0.14	0.21	0.29	0.38
	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
		Air Pressure Drop		0.01	0.06	0.12	0.21	0.31	0.43	0.57
	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	
Air Pressure Drop		0.02	0.08	0.16	0.28	0.42	0.58	0.76		
CFM Range			Size 4							
			Size 5							
			Size 6							

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
		Air Pressure Drop		0.02	0.04	0.08	0.12	0.18	0.24	0.30
	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
		Air Pressure Drop		0.04	0.09	0.17	0.26	0.37	0.50	0.63
	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
		Air Pressure Drop		0.05	0.14	0.25	0.39	0.56	0.75	0.94
	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	
Air Pressure Drop		0.07	0.18	0.34	0.53	0.75	1.00	1.26		
CFM Range			Size 7							
			Size 8							

NOTE: 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 below. Air Pressure Drop is defined as the minimum static pressure at the maximum CFM with the damper full open. See Krueger's selection software for specific hot water coil data.

MBH CORRECTION FACTORS

Δ T	50	60	70	80	90	100	115	125	140	150
Factor	0.44	0.52	0.61	0.70	0.79	0.88	1.00	1.07	1.20	1.30

LMHS

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LMHS Hot Water Coil Performance Data
LMHS HOT WATER COIL PERFORMANCE DATA, SIZES 9 - 12, 1 - 4 ROWS

Unit Size	Rows	GPM	Head Loss	Airflow, CFM & Resulting MBH						
				250	445	640	835	1030	1225	1400
9 - 10	1	1.0	0.11	11.0	13.9	15.8	17.2	18.2	19.0	19.7
		2.0	0.41	12.3	16.2	18.8	20.7	22.3	23.6	24.6
		3.0	0.90	12.8	17.1	20.0	22.3	24.1	25.7	26.9
		4.0	1.56	13.1	17.6	20.8	23.2	25.2	26.9	28.2
		Air Pressure Drop		0.02	0.05	0.09	0.14	0.20	0.27	0.33
	2	1.5	0.27	17.9	24.1	28.1	31.0	33.2	35.0	36.3
		2.0	0.47	18.8	25.8	30.6	34.1	36.8	39.0	40.7
		4.0	1.84	20.4	29.0	35.2	40.1	44.0	47.3	49.8
		6.0	4.08	21.0	30.3	37.2	42.6	47.1	50.9	53.9
		Air Pressure Drop		0.04	0.10	0.19	0.29	0.42	0.56	0.70
	3	2.0	0.36	23.4	32.8	39.0	43.5	46.9	49.6	51.6
		3.0	0.80	24.6	35.5	43.2	48.9	53.5	57.2	60.0
		4.0	1.41	25.2	37.0	45.5	52.1	57.5	61.9	65.2
		6.0	3.14	25.8	38.6	48.2	55.8	62.1	67.4	71.5
		Air Pressure Drop		0.06	0.15	0.28	0.44	0.63	0.84	1.05
	4	2.5	0.46	26.9	39.2	47.6	53.8	58.5	62.3	65.1
		3.0	0.66	27.4	40.5	49.8	56.7	62.1	66.5	69.8
		4.0	1.16	28.0	42.3	52.7	60.8	67.3	72.6	76.6
		6.0	2.58	28.7	44.1	56.0	65.4	73.2	79.8	84.8
		Air Pressure Drop		0.08	0.21	0.38	0.59	0.84	1.12	1.40
CFM Range		Size 9								
		Size 10								

SINGLE DUCT TERMINAL UNITS

Unit Size	Rows	GPM	Head Loss	Airflow, CFM & Resulting MBH						
				400	660	920	1180	1440	1700	1950
12	1	1.0	0.14	15.5	18.7	20.8	22.3	23.5	24.5	25.2
		2.0	0.54	17.8	22.3	25.4	27.7	29.6	31.2	32.4
		3.0	1.18	18.8	23.8	27.4	30.2	32.5	34.4	36.0
		4.0	2.06	19.3	24.7	28.6	31.6	34.2	36.3	38.0
		Air Pressure Drop		0.02	0.05	0.09	0.14	0.20	0.27	0.34
	2	1.5	0.31	25.6	32.3	36.7	39.9	42.3	44.2	45.8
		2.0	0.55	27.3	35.2	40.5	44.5	47.6	50.1	52.1
		4.0	2.14	30.4	40.6	48.0	53.9	58.6	62.6	65.9
		6.0	4.75	31.6	42.8	51.2	58.0	63.5	68.3	72.2
		Air Pressure Drop		0.05	0.12	0.20	0.31	0.43	0.57	0.72
	3	2.0	0.41	34.4	44.7	51.4	56.2	59.9	62.8	65.1
		3.0	0.91	36.7	49.3	58.1	64.7	69.2	74.1	77.5
		4.0	1.61	38.0	51.9	62.1	69.9	76.2	82.6	85.6
		6.0	3.57	39.3	54.8	66.5	75.8	83.5	89.9	95.3
		Air Pressure Drop		0.08	0.18	0.31	0.46	0.65	0.85	1.08
	4	2.5	0.51	40.1	54.0	63.2	69.9	75.0	79.0	82.2
		3.0	0.73	41.2	56.3	66.8	74.6	80.6	85.4	89.2
		4.0	1.29	42.6	59.5	71.7	81.1	88.6	94.7	99.6
		6.0	2.88	44.0	62.8	77.2	88.7	98.1	106.0	112.5
		Air Pressure Drop		0.10	0.23	0.41	0.62	0.86	1.14	1.43

NOTE: 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 below. Air Pressure Drop is defined as the minimum static pressure at the maximum CFM with the damper full open. See Krueger's selection software for specific hot water coil data.

MBH CORRECTION FACTORS

Δ T	50	60	70	80	90	100	115	125	140	150
Factor	0.44	0.52	0.61	0.70	0.79	0.88	1.00	1.07	1.20	1.30

LMHS Hot Water Coil Performance Data

LMHS HOT WATER COIL PERFORMANCE DATA, SIZES 14 & 16, 1 - 4 ROWS

SINGLE DUCT TERMINAL UNITS

Unit Size	Rows	GPM	Head Loss	Airflow, CFM & Resulting MBH						
				500	860	1220	1580	1940	2300	2650
14	1	1.0	0.11	19.1	23.0	25.4	27.0	28.3	29.3	30.0
		2.0	0.43	22.7	28.5	32.4	35.3	37.6	39.4	40.9
		3.0	0.96	24.2	31.1	35.8	39.4	42.3	44.6	46.6
		4.0	1.70	25.1	32.6	37.8	41.9	45.1	47.8	50.1
		Air Pressure Drop		0.02	0.04	0.08	0.12	0.18	0.24	0.30
	2	2.0	0.39	34.0	44.1	50.6	55.2	58.8	61.5	63.8
		3.0	0.86	36.9	49.4	57.9	64.2	69.1	73.1	76.4
		4.0	1.51	38.6	52.6	62.4	69.9	75.8	80.7	84.7
		6.0	3.36	40.4	56.2	67.6	76.6	83.9	90.0	95.2
		Air Pressure Drop		0.04	0.10	0.17	0.27	0.38	0.50	0.64
	3	2.5	0.51	44.9	60.1	69.7	76.5	81.5	85.4	88.5
		3.0	0.73	46.4	63.1	74.2	82.2	88.2	92.9	96.7
		4.0	1.29	48.2	67.3	80.5	90.3	98.0	104.2	109.1
		6.0	2.88	50.2	71.9	87.7	100.0	109.9	118.1	124.8
		Air Pressure Drop		0.06	0.15	0.26	0.40	0.57	0.75	0.95
	4	3.5	0.71	52.6	73.6	87.7	97.8	105.4	111.3	116.0
4.0		0.92	53.5	75.9	91.2	102.5	111.1	117.9	123.3	
5.0		1.43	54.8	79.1	96.6	109.6	119.9	128.2	134.9	
6.0		2.05	55.6	81.4	100.3	114.9	126.5	136.0	143.7	
Air Pressure Drop		0.08	0.19	0.35	0.53	0.75	1.00	1.27		

Unit Size	Rows	GPM	Head Loss	Airflow, CFM & Resulting MBH						
				700	1135	1570	2005	2440	2875	3300
16	1	1.5	0.26	26.5	31.6	35.0	37.4	39.3	40.8	42.0
		2.0	0.46	28.5	34.6	38.6	41.7	44.1	46.0	47.6
		3.0	1.03	30.8	38.1	43.2	47.1	50.2	52.7	54.9
		4.0	1.81	32.2	40.2	45.9	50.3	53.9	56.9	59.5
		Air Pressure Drop		0.02	0.05	0.09	0.14	0.19	0.25	0.32
	2	2.0	0.23	41.0	50.1	55.9	60.0	63.0	65.4	67.4
		3.0	0.52	45.8	57.6	65.7	71.6	76.1	79.8	82.8
		4.0	0.92	48.6	62.4	72.0	79.2	85.0	89.7	93.5
		6.0	2.05	51.8	67.9	79.7	88.8	96.2	102.3	107.4
		Air Pressure Drop		0.05	0.11	0.20	0.29	0.41	0.54	0.68
	3	2.5	0.30	54.9	68.2	76.5	82.2	86.4	89.7	92.2
		3.0	0.43	57.5	72.8	82.6	89.6	94.8	98.9	102.1
		4.0	0.76	61.0	79.3	91.6	100.7	107.6	113.1	117.6
		6.0	1.71	64.9	86.8	102.5	114.5	124.1	131.9	138.3
		Air Pressure Drop		0.08	0.17	0.29	0.44	0.61	0.81	1.01
	4	3.0	0.38	64.5	82.2	93.3	101.0	106.6	110.9	114.2
4.0		0.67	68.5	90.1	104.5	114.8	122.6	128.7	133.5	
5.0		1.04	71.1	95.4	112.3	124.8	133.6	142.1	148.3	
6.0		1.50	72.8	99.2	118.0	132.3	143.5	152.6	160.0	
Air Pressure Drop		0.10	0.23	0.39	0.59	0.82	1.07	1.35		

NOTE: 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 below. Air Pressure Drop is defined as the minimum static pressure at the maximum CFM with the damper full open. See Krueger's selection software for specific hot water coil data.

MBH CORRECTION FACTORS

Δ T	50	60	70	80	90	100	115	125	140	150
Factor	0.44	0.52	0.61	0.70	0.79	0.88	1.00	1.07	1.20	1.30

LMHS

LMHS Hot Water Coil Performance Data
LMHS HOT WATER COIL PERFORMANCE DATA, SIZES 20 & 22, 1 - 4 ROWS

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
		Air Pressure Drop		0.05	0.11	0.19	0.27	0.37	0.49	0.62
	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
		Air Pressure Drop		0.12	0.24	0.40	0.57	0.78	1.01	1.26
	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
		Air Pressure Drop		0.19	0.37	0.59	0.86	1.17	1.14	1.89
	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	
Air Pressure Drop		0.25	0.49	0.79	1.15	1.56	2.02	2.53		

Unit Size	Rows	GPM	Head Loss	Airflow, CFM & Resulting MBH						
				1250	2045	2840	3635	4430	5225	6000
22	1	1.5	0.32	39.8	46.2	50.2	53.0	55.0	56.6	57.9
		2.0	0.57	43.9	52.0	57.1	60.8	63.7	65.9	67.7
		3.0	1.26	48.8	59.2	66.2	71.3	75.4	78.7	81.3
		4.0	2.21	51.7	63.6	71.8	78.0	82.9	87.0	90.3
		Air Pressure Drop		0.03	0.06	0.11	0.17	0.24	0.32	0.41
	2	2.0	0.26	60.9	71.6	77.9	82.0	85.1	87.4	89.2
		3.0	0.58	70.7	86.2	96.0	102.8	107.9	111.9	115.0
		4.0	1.02	76.8	95.9	108.4	117.5	124.4	129.9	134.3
		6.0	2.28	84.0	107.9	124.4	136.7	146.4	154.4	160.8
		Air Pressure Drop		0.06	0.14	0.24	0.37	0.51	0.68	0.85
	3	2.5	0.33	82.9	97.8	106.1	111.4	115.1	117.9	120.0
		3.0	0.47	88.8	107.1	117.7	124.6	129.6	133.3	136.2
		4.0	0.83	97.0	120.9	135.6	145.7	153.0	158.7	163.1
		6.0	1.85	106.3	137.8	158.8	173.9	185.5	194.6	201.9
		Air Pressure Drop		0.09	0.21	0.36	0.55	0.77	1.01	1.28
	4	3.0	0.40	99.0	119.0	130.0	136.9	141.6	145.1	147.7
4.0		0.71	108.9	136.0	152.0	162.6	170.1	175.8	180.1	
5.0		1.11	115.3	148.1	168.5	182.5	192.7	200.5	206.6	
6.0		1.59	119.8	156.9	181.1	198.2	210.9	220.7	228.5	
Air Pressure Drop		0.12	0.28	0.49	0.74	1.02	1.35	1.70		

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MBH CORRECTION FACTORS

Δ T	50	60	70	80	90	100	115	125	140	150
Factor	0.44	0.52	0.61	0.70	0.79	0.88	1.00	1.07	1.20	1.30