

KLPS-D

Hot Water Coil | Performance Data



TERMINAL UNITS | FAN POWERED

KLPS-D

HOT WATER COIL | PERFORMANCE DATA

UNIT SIZE	ROWS	GPM	HEAD LOSS	AIRFLOW, CFM & RESULTING MBH							
				200	270	340	410	480	550	620	675
1	1	1.0	0.08	8.6	9.9	10.9	11.7	12.4	13.0	13.5	13.9
		2.0	0.30	9.6	11.1	12.4	13.5	14.4	15.2	16.0	16.5
		3.0	0.65	9.9	11.6	13.0	14.2	15.3	16.2	17.0	17.6
		4.0	1.14	10.1	11.9	13.4	14.7	15.8	16.8	17.7	18.3
		AIR PRESSURE DROP		0.02	0.02	0.04	0.05	0.07	0.08	0.10	0.12
	2	1.0	0.17	13.3	15.6	17.5	19.0	20.3	21.4	22.3	23.0
		2.0	0.65	14.9	17.9	20.4	22.5	24.4	26.0	27.5	28.5
		4.0	2.49	15.8	19.3	22.3	24.9	27.2	29.3	31.1	32.5
		6.0	5.46	16.2	19.8	23.0	25.8	28.3	30.6	32.6	34.1
		AIR PRESSURE DROP		0.03	0.06	0.08	0.11	0.14	0.18	0.22	0.25

UNIT SIZE	ROWS	GPM	HEAD LOSS	AIRFLOW, CFM & RESULTING MBH							
				200	290	380	470	560	650	740	800
2	1	1.0	0.08	8.6	10.2	11.4	12.3	13.0	13.7	14.2	14.6
		2.0	0.30	9.6	11.5	13.0	14.3	15.3	16.2	17.0	17.5
		3.0	0.65	9.9	12.1	13.7	15.1	17.4	16.3	18.3	18.9
		4.0	1.14	10.1	12.4	14.1	15.6	16.9	18.0	19.0	19.6
		AIR PRESSURE DROP		0.02	0.03	0.04	0.06	0.09	0.11	0.14	0.16
	2	1.0	0.17	13.3	16.2	18.4	20.1	21.5	22.7	23.7	24.3
		2.0	0.65	14.9	18.6	21.7	24.1	26.2	28.1	29.7	30.6
		4.0	2.49	15.8	20.2	23.8	26.9	29.5	31.9	34.0	35.3
		6.0	5.46	16.2	20.8	24.6	28.0	30.9	33.5	35.8	37.2
		AIR PRESSURE DROP		0.03	0.06	0.10	0.14	0.19	0.24	0.30	0.34

MBH CORRECTION FACTORS FOR OTHER ENTERING CONDITIONS										
DELTA-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

NOTES: Hot water capacities are in MBH. Data is based upon 180°F entering water with 0% Glycol and 65°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 115°F between entering air and entering water. For other temperature differences, multiply MBH values by correction factors provided. 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							
				400	490	580	670	760	850	940	1000
3	1	1.0	0.09	12.7	13.7	14.5	15.2	15.8	16.4	16.8	17.1
		2.0	0.36	14.5	15.9	17.1	18.1	19.0	19.8	20.5	20.9
		3.0	0.79	15.3	16.9	18.2	19.3	20.4	21.3	22.1	22.6
		4.0	1.38	15.8	17.4	18.8	20.1	21.2	22.2	23.1	23.6
		AIR PRESSURE DROP		0.04	0.05	0.07	0.09	0.11	0.13	0.15	0.17
	2	1.0	0.21	20.0	21.8	23.3	24.6	25.7	26.6	27.4	27.9
		2.0	0.78	23.7	26.3	28.6	30.6	32.3	33.9	35.3	36.1
		4.0	2.98	26.1	29.4	32.3	34.8	37.1	39.2	41.1	42.3
		6.0	6.51	27.0	30.6	33.7	36.6	39.1	41.5	43.6	45.0
		AIR PRESSURE DROP		0.08	0.11	0.15	0.19	0.23	0.28	0.33	0.36

UNIT SIZE	ROWS	GPM	HEAD LOSS	AIRFLOW, CFM & RESULTING MBH							
				700	825	950	1075	1200	1325	1450	1550
5	1	1.0	0.18	20.4	21.6	22.5	23.4	24.1	24.8	25.4	25.8
		2.0	0.67	24.5	26.2	27.7	29.0	30.2	31.3	32.3	33.0
		3.0	1.46	26.2	28.2	30.0	31.6	33.0	34.3	35.5	36.4
		4.0	2.55	27.2	29.4	31.3	33.1	34.6	36.1	37.4	38.4
		AIR PRESSURE DROP		0.03	0.05	0.06	0.07	0.09	0.10	0.12	0.13
	2	1.0	0.37	30.3	32.2	33.7	34.9	36.0	37.0	37.8	38.4
		2.0	1.41	38.4	41.5	44.2	46.6	48.7	50.5	52.2	53.5
		4.0	5.34	44.0	48.2	52.0	55.4	58.5	61.3	63.9	65.8
		6.0	11.65	46.2	51.0	55.2	59.1	62.7	65.9	69.0	71.2
		AIR PRESSURE DROP		0.08	0.10	0.13	0.15	0.19	0.22	0.25	0.28

MBH CORRECTION FACTORS FOR OTHER ENTERING CONDITIONS										
DELTA-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

NOTES: Hot water capacities are in MBH. Data is based upon 180°F entering water with 0% Glycol and 65°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 115°F between entering air and entering water. For other temperature differences, multiply MBH values by correction factors provided. 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.