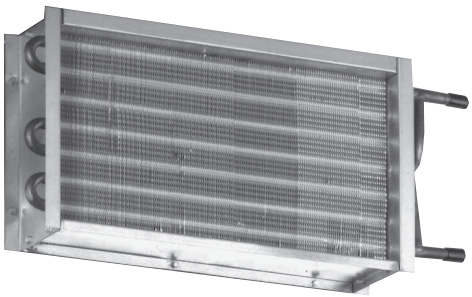
DLSC DISCHARGE HOT WATER COIL

- All coil performance in accordance with AHRI 410-2001
- Heating and cooling capacities are in MBH (1,000 Btu/h)
- Data based on 180°F entering water and 65°F entering air, for temperature differentials other than 115°, multiply MBH by correction factors below
- Refer to submittal documentation for pipe sizes and connection locations
- Air temperature rise = 927 x corrected MBH /gpm
- Water temperature drop = 2.04 x corrected MBH /gpm
- Coils are rated to 200°F (No steam applications)
- Coils are tested for leakage at test pressure of 500 psi
- Water flows less than those shown may result in water laminar flow and reduced heating/cooling capacities. Whenever possible, reduce the number of coil rows to increase water velocity into turbulent range.



Size	Rows	(gpm)	Head Loss	Airflow, cfm								
				150	225	300	375	450	525	600	675	750
1 + A	1	1.0	0.09	7.8	9.4	10.6	11.5	12.3	12.9	13.5	13.9	14.4
		2.0	0.32	8.5	10.5	12.1	13.3	14.4	15.3	16.0	16.7	17.4
		3.0	0.69	8.8	11.0	12.7	14.1	15.2	16.2	17.1	17.9	18.6
		4.0	1.18	9.0	11.2	13.0	14.5	15.7	16.8	17.7	18.6	19.3
		Airside ΔPs		0.01	0.01	0.02	0.03	0.04	0.05	0.06	0.08	0.09
	2	1.0	0.18	11.8	14.9	17.2	18.9	20.3	21.5	22.5	23.3	24.1
		2.0	0.59	12.8	16.8	19.9	22.5	24.7	26.6	28.2	29.7	30.9
		3.0	1.26	13.2	17.5	20.9	23.9	26.4	28.6	30.5	32.3	33.8
		4.0	2.15	13.4	17.8	21.5	24.6	27.3	29.7	31.8	33.7	35.2
		Airside ΔPs		0.01	0.03	0.05	0.07	0.09	0.12	0.15	0.18	0.21

Size	Rows	(gpm)	Head Loss	Airflow, cfm								
				125	210	295	380	470	555	640	730	825
2 + B	1	1.0	0.09	7.1	9.1	10.5	11.6	12.5	13.1	13.7	14.2	14.7
		2.0	0.32	7.7	10.2	12.0	13.4	14.6	15.6	16.4	17.2	17.9
		3.0	0.69	7.9	10.6	12.6	14.1	15.5	16.6	17.6	18.4	19.3
		4.0	1.18	8.0	10.8	12.9	14.5	16.0	17.2	18.2	19.1	20.0
		Airside ΔPs		0.00	0.01	0.02	0.03	0.04	0.05	0.07	0.09	0.11
	2	1.0	0.18	10.5	14.4	17.0	19.0	20.7	21.9	23.0	23.9	24.7
		2.0	0.59	11.2	16.1	19.7	22.7	25.2	27.3	29.0	30.6	32.1
		3.0	1.25	11.5	16.7	20.7	24.1	27.0	29.4	31.5	33.4	35.2
		4.0	2.14	11.7	17.0	21.3	24.8	28.0	30.6	32.8	35.0	37.0
		Airside ΔPs		0.01	0.03	0.05	0.07	0.10	0.13	0.16	0.20	0.25

Size	Rows	(gpm)	Head Loss	Airflow, cfm								
				175	280	385	495	600	705	815	920	1025
3 + C	1	1.0	0.12	9.0	11.2	12.7	13.9	14.8	15.6	16.2	16.8	17.2
		2.0	0.39	10.0	12.7	14.7	16.4	17.7	18.8	19.8	20.6	21.3
		3.0	0.82	10.3	13.3	15.5	17.4	18.9	20.1	21.3	22.2	23.1
		4.0	1.41	10.5	13.6	16.0	18.0	19.5	20.9	22.1	23.1	24.1
		Airside ΔPs		0.01	0.01	0.02	0.03	0.05	0.06	0.08	0.09	0.11
	2	1.0	0.22	13.6	17.6	20.5	22.6	24.2	25.5	26.6	27.5	28.3
		2.0	0.68	14.9	20.3	24.4	27.8	30.4	32.6	34.6	36.3	37.7
		3.0	1.46	15.4	21.2	25.8	29.8	32.9	35.6	38.0	40.1	41.9
		4.0	2.52	15.6	21.7	26.6	30.8	34.2	37.2	39.9	42.2	44.4
		Airside ΔPs		0.01	0.03	0.05	0.08	0.11	0.14	0.18	0.22	0.27

Size	Rows	(gpm)	Head Loss	Airflow, cfm								
				300	450	600	750	900	1050	1200	1350	1500
5 + E	1	1.0	0.20	14.8	17.5	19.5	21.0	22.1	23.1	23.9	24.6	25.2
		2.0	0.62	16.8	20.6	23.6	25.8	27.7	29.3	30.7	31.9	33.0
		3.0	1.31	17.6	21.9	25.1	27.8	30.0	31.9	33.6	35.1	36.4
		4.0	2.24	18.0	22.5	26.0	28.9	31.3	33.4	35.2	36.9	38.4
		Airside ΔPs		0.01	0.01	0.02	0.02	0.03	0.04	0.05	0.07	0.08
	2	1.0	0.44	21.7	26.6	29.9	32.2	34.0	35.5	36.6	37.6	38.4
		2.0	1.19	24.9	32.0	37.5	41.9	45.4	48.4	50.9	53.1	55.0
		3.0	2.52	26.0	34.1	40.5	45.8	50.3	54.1	57.4	60.3	62.9
		4.0	4.30	26.6	35.2	42.2	48.0	53.0	57.3	61.1	64.5	67.6
		Airside ΔPs		0.01	0.03	0.04	0.06	0.08	0.10	0.13	0.16	0.19

Correction factors for other entering conditions:

ΔT	50	60	70	80	90	100	115	125	140	150
Factor	0.44	0.52	0.61	0.7	0.79	0.88	1	1.07	1.2	1.3