

Deep Coil Summary Data

Test conditions: 135 deg f water. 1.5 gpm, 95 entering air

Coil Sample	P.N..	Description	CFM	FPM	BUTH	S.P. drop	Comments
A	5943	Thin, counterflow	400	200	10800	.06	
			500	250	12420	.08	
			600	300	13600	.10	
			700	350	14364	.13	
B	5946	Deep, unused tubes, Counterflow, stagød 6 fpi	400	400	11232	.36	
			500	500	13500	.52	
			600	600	13608	.72	
			700	700	16632	.93	
C	6374	Deep, no inused Tubes, 8 sub assyø Counterflow, stagød 6 fpi	400	400	12064	.22	
			500	500	12906	.32	
			600	600	14531	.42	
			700	700	15611	.56	
C1		Same as øCø, except Turned sideways	400	200	10260	.02	
			500	250	11178	.025	
			600	300	11970	.035	
			700	350	12850	.04	
D	6584	Deep, no unsued Tubes, counterflow Semi stagød, 6fpi	400	200	11664	.14	
			500	250	13675	.21	
			600	300	14904	.28	
			700	350	15876	.39	
E	8034	Thin, 12 fpi , no counterflow Contiguous fin McQuay	400	200	9310	.06	
			500	250	10622	.08	
			600	300	12182	.10	
			700	350	12757	.13	
F	0279	Deep. 12 fpi, No counterflow Slit fins ATL Labs	400	200	11323	.07	
			500	250	12596	.09	
			600	300	13588	.11	
			700	350	14315	.13	
G	0872	Same sa øEø except Slit fins ATL Labs	400	200	10921	.06	
			500	250	12429	.08	
			600	300	13360	.11	
			700	350	14409	.14	
H	2876	Deep, 6 row, 2 x 1ø staggered, 6 fpi ETL	1000	250	22,108	0.03	
			1200	300	23,980	0.04	
			1400	350	26,212	0.05	
			1600	400	27,868	0.06	
			1800	450	29,517	0.08	

Coil Sample	Tests	CFM	FPM	BTUH Total	BTUH sensible	S.P. Drop	Comments
Coil H: 16 x 36ö, DEEP, 4 sq.ft., 6fpi, 3 row, 3/8ö tube, 2 x 1ö staggered, slit flat fins, 3 circuits Coil #2876 (öHö)	Heating, 3 gpm, 135 EWT, 95 EAT	800	200	----		----	
		1000	250	22,108		0.03	
		1200	300	23,980		0.04	
		1400	350	26,212		0.05	
	Cooling, 45 EWT, 55 LWT, 80/67 EAT	800	200	---	-----	----	
		1000	250	27,383	20,302	0.05	0.74 (sens./total)
		1200	300	31,321	23,397	0.07	0.75
		1400	350	35,313	26,439	0.09	0.74
Coil I: 16 x 36ö, Thin, 4 sq.ft., 12 fpi, 3 row, 3/8ö tube, 1 x 1ö staggered, <i>contiguous</i> flat fins, 3 circuits Coil #6534 (öIö)	Heating, 3 gpm, 135 EWT, 95 EAT	800	200	----		-----	
		1000	250	25,516		0.06	
		1200	300	28,136		0.08	
		1400	350	29,953		0.11	
	Cooling, 45 EWT, 55 LWT, 80/67 EAT	800	200	-----		-----	
		1000	250	36,831	24,622	0.11	0.67
		1200	300	41,805	27,695	0.15	0.66
		1400	350	46,641	31,488	0.19	0.67
Coil J: 16 x 36ö, Thin, 4 sq.ft., 12 fpi, 3 row, 3/8ö tube, 1 x 1ö staggered, <i>slit</i> flat fins, 3 circuits Coil #6898 (öJö)	Heating, 3 gpm, 135 EWT, 95 EAT	800	200	-----	-----		
		1000	250	25,795	-----	0.06	
		1200	300	28,066	-----	0.09	
		1400	350	30,324	-----	0.11	
	Cooling, 45 EWT, 55 LWT, 80/67 EAT	800	200	-----		---	
		1000	250	38,320	25,521	0.10	0.66
		1200	300	43,147	29,336	0.14	0.68
		1400	350	47,847	32,681	0.19	0.68
		1600	400	52,851	36,653	0.24	0.69

Coil Sample	Tests	CFM	FPM	BTUH		S.P. Drop	Comments
				Total	Sensible		
Coil K: 16 x 36ö, THIN, 4 sq.ft., 8 fpi, 3 row, 3/8ö tube, 1x0.866ö staggered, flat fins, full collar fins. 3 circuits Coil #7326	Heating, 3 gpm, 135 EWT, 95 EAT	800	200	----		----	
		1000	250	20,992		0.03	
		1200	300	23,107		0.04	
		1400	350	25,338		0.06	
	Cooling, 45 EWT, 55 LWT, 80/67 EAT	1600	400	27,019		0.08	
		800	200				
		1000	250	29,481	19,674	0.05	
		1200	300	33,309	22,445	0.07	
		1400	350	36,615	25,096	0.10	
		1600	400	39,791	27,525	0.13	
Coil L: 16 x 36ö, THIN, 4 sq.ft., 8 fpi, 3 row, 3/8ö tube, 1x0.866ö staggered, flat fins, half collar fins. 3 circuits	Heating, 3 gpm, 135 EWT, 95 EAT	800	200				
		1000	250	20,394		0.03	
		1200	300	21,797		0.06	
		1400	350	24,767		0.07	
	Cooling, 45 EWT, 55 LWT, 80/67 EAT	1600	400	25,948		0.08	
		800	200				
		1000	250	29,208	19,950	0.07	
		1200	300	33,492	22,723	0.08	
		1400	350	36,462	25,313	0.10	
		1600	400	40,782	28,211	0.13	

Coil Description	Tests	CFM	FPM	BTUH		S.P. Drop	Comments
				Total	Sensible		
Coil M: 16 x 36ö, DEEP, 4 sq.ft., 6 fpi, 3 row, 3/8ö tube, staggered, flat fins, 3 circuits, counterflow Coil #7797	Heating, 3 gpm, 135 EWT, 95 EAT	800	200				
		1000	250	23,222		0.026	
		1200	300	25,292		0.035	
		1400	350	26,793		0.044	
	Cooling, 45 EWT, 55 LWT, 80/67 EAT	1600	400	29,314		0.053	
		800	200				
		1000	250	30,606	21,382	0.047	
		1200	300	33,460	24,550	0.066	
		1400	350	36,914	27,245	0.075	
		1600	400	39,835	30,058	0.094	
Coil N: 16 x 36ö, THIN, 4 sq.ft., 12 fpi, 3 row, 3/8ö tube, staggered, flat fins, full collar fins. 3 circuits, counterflow	Heating, 3 gpm, 135 EWT, 95 EAT	800	200				
		1000	250	27,301		0.057	
		1200	300	29,963		0.087	
		1400	350	31,762		0.105	
	Cooling, 45 EWT, 55 LWT, 80/67 EAT	1600	400	33,842		0.132	
		800	200				
		1000	250	41,701	26,168	0.095	
		1200	300	49,715	30,320	0.142	
		1400	350	51,165	33,100	0.200	
		1600	400	53,300	35,924	0.238	