

Project	Unitaire 5 Base Capacities - 4-Pipe
Client	80-67 EAT, 45/55 WT, 55 LAT
Contact	Heat: 1-Row Aux, 70 EAT, 130 EWT
Contractor	



1-Row Aux. Coil Heating Performance

Sz,-R-C								MBH		COOLING									HEATING							
Line #	Tag	Qty	Model	Size	Speed	ESP	CFM	Total	Sensible	Coil No	EDB	EWB	LDB	LWB	GPM	EWT	LWT	WPD H2O	BTUH	Coil No.	EAT	LAT	GPM	EWT	LWT	WPD H2O
1	02-3-1	1	FETF	02	High	0	200	6.3	4.317	3R1C	80	67	56	55	1.5	45	55	2.46	5640	1R1C	70	96	2.97	130	106	1
2	03-3-1	1	FETF	03	High	0	300	9.775	6.552	3R1C	80	67	56	55	2.3	45	55	4.83	7680	1R1C	70	94	2.97	130	106	1.29
3	04-3-1	1	FETF	04	High	0	400	12.9	8.838	3R1C	80	67	56	55	3	45	55	7.16	9480	1R1C	70	92	2.97	130	106	1.47
4	06-3-1	1	FETF	06	High	0	600	17.84	12.837	3R1C	80	67	57	56	4.1	45	55	13.68	12060	1R1C	70	89	2.97	130	106	2.05
5	08-3-2	1	FETF	08	High	0	800	25.37	17.677	3R2C	80	67	56	55	5.9	45	55	11.81	12960	1R3C	70	85	0.99	130	106	0.83
6	10-3-2	1	FETF	10	High	0	1000	35.52	24.665	3R2C	80	67	56	55	7.4	45	55	20.08	16260	1R3C	70	85	0.99	130	106	1.13
7	10-3-2	1	FETF	10	High	0	1000	35.52	24.665	3R2C	80	67	56	55	7.4	45	55	20.08	17520	1R3C	70	84	0.99	130	106	1.13
8	02-4-1	1	FETF	02	High	0	200	6.9	4.728	4R1C	80	67	56	55	1.5	45	55	3.28	5640	1R1C	70	96	2.97	130	106	1
9	03-4-1	1	FETF	03	High	0	300	10.93	7.323	4R1C	80	67	56	55	2.3	45	55	6.44	7680	1R1C	70	94	2.97	130	106	1.29
10	04-4-1	1	FETF	04	High	0	400	14.4	9.866	4R1C	80	67	56	55	3	45	55	9.54	9480	1R1C	70	92	2.97	130	106	1.47
11	06-4-1	1	FETF	06	High	0	600	19.89	14.312	4R1C	80	67	57	56	4.1	45	55	18.23	12060	1R1C	70	89	2.97	130	106	2.05
12	08-4-2	1	FETF	08	High	0	800	25.37	17.677	3R2C	80	67	56	55	5.9	45	55	11.81	12960	1R3C	70	85	0.99	130	106	0.83
13	10-4-2	1	FETF	10	High	0	1000	35.52	24.665	3R2C	80	67	56	55	7.4	45	55	20.08	16260	1R3C	70	85	0.99	130	106	1.13
14	12-4-2	1	FETF	12	High	0	1200	42.08	30.1	3R2C	80	67	57	56	8.25	45	55	22.38	17520	1R3C	70	84	0.99	130	106	1.13

Project	Unit Capacity- 4-Pipe
Client	75/63 EAT, 45/55 E/LWT
Contact	Heat: 1-Row 70 EAT, 160 EWT
Contractor	



						MBH		COOLING								HEATING								
Line #	Tag	Size	Speed	ESP	CFM	Total	Sensible	Coil No	EDB	EWB	LDB	LWB	GPM	EWT	LWT	WPD H2O	BTUH	Coil No.	EAT	LAT	GPM	EWT	LWT	WPD H2O
1	02-3-1	02	High	0	200	3.15	2.796	3R1C	75	63	56	55	1	45	55	1.64	8460	1R1C	70	109	2.97	160	136	1
2	03-3-1	03	High	0	300	4.91	4.243	3R1C	75	63	56	55	1.5	45	55	3.15	11520	1R1C	70	105	2.97	160	136	1.29
3	04-3-1	04	High	0	400	6.62	5.724	3R1C	75	63	56	55	2	45	55	4.77	14220	1R1C	70	103	2.97	160	136	1.47
4	06-3-1	06	High	0	600	10.6	8.792	3R1C	75	63	56	55	3	45	55	10.01	18090	1R1C	70	98	2.97	160	136	2.05
5	08-3-2	08	High	0	800	14.3	11.589	3R2C	75	63	56	55	4	45	55	8.01	19440	1R3C	70	92	0.99	160	136	0.83
6	10-3-2	10	High	0	1000	21.1	16.364	3R2C	75	63	56	55	5	45	55	13.57	24390	1R3C	70	93	0.99	160	136	1.13
7	12-3-2	12	High	0	1200	27.7	21.113	3R2C	75	63	56	55	6.1	45	55	16.55	26280	1R3C	70	90	0.99	160	136	1.13
8	02-4-1	02	High	0	200	3.45	3.062	4R1C	75	63	56	55	1	45	55	2.19	8460	1R1C	70	109	2.97	160	136	1
9	03-4-1	03	High	0	300	5.49	4.743	4R1C	75	63	56	55	1.5	45	55	4.2	11520	1R1C	70	105	2.97	160	136	1.29
10	04-4-1	04	High	0	400	7.39	6.39	4R1C	75	63	56	55	2	45	55	6.36	14220	1R1C	70	103	2.97	160	136	1.47
11	06-4-1	06	High	0	600	11.8	9.803	4R1C	75	63	56	55	3	45	55	13.34	18090	1R1C	70	98	2.97	160	136	2.05
12	08-4-2	08	High	0	800	15.6	12.667	4R2C	75	63	56	55	4	45	55	10.66	19440	1R3C	70	92	0.99	160	136	0.83
13	10-4-2	10	High	0	1000	22.9	17.728	4R2C	75	63	56	55	5	45	55	18.07	24390	1R3C	70	93	0.99	160	136	1.13
14	12-4-2	12	High	0	1200	29.4	22.769	4R2C	75	63	56	55	6	45	55	21.68	29070	1R3C	70	92	1.35	160	136	1.54

Project	Primary Coil Performance
Client	Heating: 70 EAT, 160 EWT
Contact	
Contractor	



						HEATING							
Line #	Tag	Size	Speed	ESP	CFM	BTUH	Coil No.	EAT	LAT	GPM	EWT	LWT	WPD H2O
1	02-3-1	02	High	0	200	8460	3R1C	70	109	2.97	160	136	1
2	03-3-1	03	High	0	300	11520	3R1C	70	105	2.97	160	136	1.29
3	04-3-1	04	High	0	400	14220	3R1C	70	103	2.97	160	136	1.47
4	06-3-1	06	High	0	600	18090	3R2C	70	98	2.97	160	136	2.05
5	08-3-2	08	High	0	800	19440	3R2C	70	92	0.99	160	136	0.83
6	10-3-2	10	High	0	1000	24390	3R2C	70	93	0.99	160	136	1.13
7	12-3-2	12	High	0	1200	26280	3R2C	70	90	0.99	160	136	1.13
8	02-4-1	02	High	0	200	8460	4R1C	70	109	2.97	160	136	1
9	03-4-1	03	High	0	300	11520	4R1C	70	105	2.97	160	136	1.29
10	04-4-1	04	High	0	400	14220	4R1C	70	103	2.97	160	136	1.47
11	06-4-1	06	High	0	600	18090	4R1C	70	98	2.97	160	136	2.05
12	08-4-2	08	High	0	800	19440	4R2C	70	92	0.99	160	136	0.83
13	10-4-2	10	High	0	1000	24390	4R2C	70	93	0.99	160	136	1.13
14	12-4-2	12	High	0	1200	29070	4R2C	70	92	1.35	160	136	1.54