

PERFORMANCE DATA

801-08

MODEL 801-08

MODEL 801-08												
NET COOLING RATINGS						NET HEAT RATINGS						
WAT FLO	ENT TEM	COOL TOTAL BTUH	SENSIBLE BTUH	HEAT OF REJECT	POWER INPUT WATTS	LVG WAT	ENT TEM	HEAT TOTAL BTUH	HEAT OF ABSORP	POWER INPUT WATTS	LVG WAT	PD FT OF WATER
1.00	65	8300	6400	10774	725	86.6	60	7500	5026	725	46.5	0.2
1.50	65	8500	6500	10804	675	79.5	60	8100	5626	725	53.3	0.5
2.00	65	8600	6400	10904	675	75.9	60	8400	5840	750	54.4	0.8
2.50	65	8600	6400	10818	650	73.7	60	8500	5940	750	55.3	1.3
1.00	75	7800	6200	10445	775	95.9	65	8100	5626	725	53.1	0.2
1.50	75	8200	6400	10674	725	89.3	65	8700	6140	750	57.5	0.5
2.00	75	8400	6400	10874	725	85.8	65	8900	6340	750	58.9	0.8
2.50	75	8400	6400	10789	700	83.7	65	9000	6355	775	59.9	1.3
1.00	85	7100	5700	9830	800	104.7	70	8700	6140	750	57.3	0.2
1.50	85	7600	6100	10245	775	98.7	70	9200	6555	775	61.8	0.5
2.00	85	7900	6200	10460	750	95.5	70	9400	6755	775	63.4	0.8
2.50	85	8000	6300	10560	750	93.4	70	9500	6855	775	64.6	1.3
1.00	90	6600	5400	9416	825	109.0	80	9600	6955	775	66.3	0.2
1.50	90	7300	5800	10030	800	103.3	80	9900	7170	800	70.7	0.5
2.00	90	7500	6000	10145	775	100.2	80	10100	7370	800	72.8	0.8
2.50	90	7700	6100	10345	775	98.3	80	10200	7384	825	74.1	1.3
1.00	95	6100	5100	9001	850	113.1	90	10300	7484	825	75.2	0.2
1.50	95	6800	5500	9616	825	107.9	90	10500	7684	825	80.0	0.5
2.00	95	7100	5700	9830	800	104.9	90	10500	7599	850	82.3	0.8
2.50	95	7300	5900	10030	800	103.0	90	10600	7699	850	83.9	1.3

Based upon ARI Standard 120-81.

CORRECTION FACTORS FOR VARIATION IN ENTERING AIR TEMPERATURES MODEL 801-08

EWB	TOTAL COOL	SENSIBLE					HEAT REJ	INPUT WATTS	EGB	TOTAL HEAT	HEAT ABS	INPUT WATTS
		70 DB	75 DB	80 DB	85 DB	90 DB						
61	0.940	0.871	1.086	1.302	1.517	1.732	0.951	0.987	60	1.025	1.066	0.920
64	0.970	0.719	0.935	1.150	1.365	1.580	0.976	0.994	65	1.015	1.037	0.960
67	1.000	0.570	0.785	1.000	1.215	1.430	1.000	1.000	70	1.000	1.000	1.000
70	1.030		0.637	0.852	1.067	1.282	1.024	1.006	75	0.980	0.958	1.040
73	1.060		0.490	0.706	0.921	1.136	1.049	1.013	80	0.955	0.906	1.080



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PERFORMANCE DATA

801-10

MODEL 801-10

NET COOLING RATINGS							NET HEAT RATINGS						
WAT FLO	ENT TEM	COOL TOTAL	SENSIBLE	HEAT OF REJECT	POWER INPUT	LYG WAT TEMP	ENT WAT TEMP	HEAT TOTAL	HEAT ABSORP	POWER INPUT	LYG WAT TEMP	PD FT OF WATER	
1.25	65	10600	8000	13586	875	86.6	60	9300	6228	900	46.6	0.2	
1.90	65	10800	8000	13616	825	79.4	60	10100	7028	900	53.4	0.5	
2.55	65	10900	8000	13630	800	75.7	60	10400	7243	925	54.5	0.9	
3.20	65	10900	8000	13630	800	75.5	60	10600	7443	925	55.5	1.3	
1.25	75	9900	7700	13051	925	95.9	65	10100	7028	900	53.1	0.2	
1.90	75	10400	7900	13386	875	89.1	65	10800	7643	925	57.6	0.5	
2.55	75	10600	8000	13501	850	85.6	65	11100	7858	950	59.0	0.9	
3.20	75	10700	8000	13601	850	83.5	65	11300	8058	950	60.1	1.3	
1.25	85	9000	7100	12328	975	104.7	70	10800	7643	925	57.1	0.2	
1.90	85	9700	7500	12851	925	98.6	70	11400	8158	950	62.0	0.5	
2.55	85	10000	7700	13157	925	95.3	70	11700	8372	975	63.6	0.9	
3.20	85	10100	7800	13172	900	93.3	70	11800	8472	975	64.8	1.3	
1.25	90	8400	6700	11813	1000	109.0	80	12000	8672	975	66.4	0.2	
1.90	90	9200	7300	12528	975	103.2	80	12400	8987	1000	70.9	0.5	
2.55	90	9600	7500	12842	950	100.0	80	12600	9187	1000	73.0	0.9	
3.20	90	9800	7600	12957	925	98.1	80	12700	9202	1025	74.3	1.3	
1.25	95	7800	6300	11298	1025	113.1	90	12800	9302	1025	75.3	0.2	
1.90	95	8700	6900	12113	1000	107.7	90	13000	9416	1050	80.2	0.5	
2.55	95	9100	7200	12428	975	104.7	90	13100	9516	1050	82.6	0.9	
3.20	95	9300	7300	12542	950	102.9	90	13200	9616	1050	84.1	1.3	

Based upon ARI Standard 320-81.

CORRECTION FACTORS FOR VARIATION IN ENTERING AIR TEMPERATURES MODEL 801-10

EWS	TOTAL COOL	SENSIBLE				HEAT REJ	INPUT WATTS	EOW	TOTAL HEAT	HEAT ABS	INPUT WATTS	
		70 DB	75 DB	80 DB	85 DB							90 DB
61	0.915	0.871	1.086	1.302	1.517	1.732	0.931	0.984	60	1.040	1.083	0.930
64	0.958	0.719	0.935	1.150	1.365	1.580	0.966	0.992	65	1.020	1.042	0.965
67	1.000	0.570	0.785	1.000	1.215	1.430	1.000	1.000	70	1.000	1.000	1.000
70	1.040		0.637	0.852	1.067	1.282	1.032	1.008	75	0.980	0.958	1.035
73	1.077		0.490	0.706	0.921	1.136	1.063	1.016	80	0.960	0.917	1.070

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PERFORMANCE DATA

801-12

MODEL 801-12

NET COOLING RATINGS						NET HEAT RATINGS						
WAT FLO	ENT TEM	COOL TOTAL BTUH	SENSIBLE BTUH	HEAT OF REJECT	POWER INPUT WATTS	LVG WAT	ENT TEM	HEAT TOTAL BTUH	HEAT OF ABSORP	POWER INPUT WATTS	LVG WAT	PD FT OF WATER
1.50	65	12800	9200	16554	1100	87.0	60	11100	7516	1050	46.5	0.2
2.30	65	13100	9300	16684	1050	79.5	60	12000	8331	1075	53.5	0.5
3.10	65	13200	9300	16698	1025	75.7	60	12500	8831	1075	54.6	0.9
3.90	65	13200	9300	16613	1000	73.5	60	12700	8946	1100	55.5	1.3
1.50	75	12000	8900	15925	1150	96.2	65	12000	8331	1075	53.1	0.2
2.30	75	12600	9200	16354	1100	89.2	65	12900	9146	1100	57.8	0.5
3.10	75	12800	9300	16469	1075	85.6	65	13300	9546	1100	59.1	0.9
3.90	75	12900	9300	16569	1075	83.5	65	13500	9660	1125	60.1	1.3
1.50	85	10800	8200	14981	1225	105.0	70	12900	9146	1100	57.1	0.2
2.30	85	11700	8800	15710	1175	98.7	70	13600	9760	1125	62.0	0.5
3.10	85	12100	8900	16025	1150	95.3	70	14000	10160	1125	63.7	0.9
3.90	85	12300	9000	16140	1125	93.3	70	14200	10175	1150	64.8	1.3
1.50	90	10100	7800	14366	1250	109.3	80	14300	10375	1150	66.4	0.2
2.30	90	11100	8400	15196	1200	103.3	80	14800	10790	1175	71.0	0.5
3.10	90	11600	8700	15610	1175	100.1	80	15000	10990	1175	73.0	0.9
3.90	90	11800	8800	15810	1175	98.1	80	15200	11104	1200	74.4	1.3
1.50	95	9300	7300	13737	1300	113.4	90	15200	11104	1200	75.2	0.2
2.30	95	10500	8000	14766	1250	107.8	90	15600	11419	1225	80.3	0.5
3.10	95	11000	8300	15181	1225	104.8	90	15700	11434	1250	82.6	0.9
3.90	95	11200	8500	15296	1200	102.9	90	15700	11434	1250	84.1	1.3

Based upon ARI Standard 320-81.

CORRECTION FACTORS FOR VARIATION IN ENTERING AIR TEMPERATURES MODEL 801-12

EWB	TOTAL COOL	SENSIBLE								HEAT REJ	INPUT WATTS	EOB	TOTAL HEAT	HEAT ABS	INPUT WATTS
		70 DB	75 DB	80 DB	85 DB	90 DB									
61	0.896	0.871	1.086	1.302	1.517	1.732	0.916	0.978	60	1.010	1.037	0.940			
64	0.949	0.719	0.935	1.150	1.365	1.580	0.959	0.989	65	1.010	1.025	0.970			
67	1.000	0.570	0.785	1.000	1.215	1.430	1.000	1.000	70	1.000	1.000	1.000			
70	1.049		0.637	0.852	1.067	1.282	1.040	1.011	75	0.980	0.961	1.030			
73	1.096		0.490	0.706	0.921	1.136	1.078	1.022	80	0.950	0.908	1.060			



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PERFORMANCE DATA

801-15

MODEL 801-15

NET COOLING RATINGS						NET HEAT RATINGS						
WAT FLO GPM	ENT TEM	COOL TOTAL BTUH	SENSIBLE BTUH	HEAT OF REJECT	POWER INPUT WATTS	LVG WAT TEMP	ENT WAT TEMP	HEAT TOTAL BTUH	HEAT OF ABSORP	POWER INPUT WATTS	LVG WAT TEMP	PD FT OF WATER
2.00	65	15800	11500	20237	1300	85.3	60	13800	9363	1300	47.7	0.3
3.00	65	16200	11600	20466	1250	78.6	60	14900	10378	1325	53.8	0.5
4.00	65	16200	11600	20381	1225	75.2	60	15300	10692	1350	54.8	0.9
5.00	65	16300	11500	20481	1225	73.2	60	15600	10992	1350	55.7	1.3
2.00	75	15000	11200	19778	1400	94.7	65	15000	10478	1325	54.0	0.3
3.00	75	15600	11500	20208	1350	88.4	65	15900	11292	1350	58.0	0.5
4.00	75	15800	11500	20322	1325	85.1	65	16300	11607	1375	59.4	0.9
5.00	75	15900	11600	20337	1300	83.1	65	16500	11807	1375	60.4	1.3
2.00	85	13600	10400	18634	1475	103.7	70	15000	11392	1350	58.2	0.3
3.00	85	14500	11000	19364	1425	97.9	70	16800	12022	1400	62.4	0.5
4.00	85	14900	11200	19678	1400	94.8	70	17100	12322	1400	64.0	0.9
5.00	85	15100	11300	19793	1375	92.9	70	17300	12522	1400	65.1	1.3
2.00	90	12800	9900	18005	1525	108.0	80	17600	12736	1425	67.5	0.3
3.00	90	13900	10600	18934	1475	102.6	80	18200	13251	1450	71.5	0.5
4.00	90	14300	10800	19249	1450	99.6	80	18400	13366	1475	73.4	0.9
5.00	90	14600	11000	19464	1425	97.8	80	18500	13466	1475	74.7	1.3
2.00	95	11900	9300	17275	1575	112.2	90	18700	13666	1475	76.5	0.3
3.00	95	13100	10100	18220	1500	107.1	90	19100	13895	1525	80.9	0.5
4.00	95	13600	10400	18634	1475	104.3	90	19200	13995	1525	83.1	0.9
5.00	95	13900	10600	18934	1475	102.6	90	19300	14095	1525	84.4	1.3

Based upon ARI Standard 320-81.

CORRECTION FACTORS FOR VARIATION IN ENTERING AIR TEMPERATURES MODEL 801-15

EWB	TOTAL COOL	SENSIBLE					HEAT REJ	INPUT WATTS	EOB	TOTAL HEAT	HEAT ABS	INPUT WATTS
		70 DB	75 DB	80 DB	85 DB	90 DB						
61	0.855	0.871	1.086	1.302	1.517	1.732	0.885	0.978	60	0.997	1.019	0.940
64	0.933	0.719	0.935	1.150	1.365	1.580	0.947	0.989	65	1.005	1.019	0.970
67	1.000	0.570	0.785	1.000	1.215	1.430	1.000	1.000	70	1.000	1.000	1.000
70	1.056		0.637	0.852	1.067	1.282	1.045	1.011	75	0.982	0.963	1.030
73	1.100		0.490	0.705	0.921	1.136	1.081	1.022	80	0.951	0.909	1.060

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PERFORMANCE DATA

801-19

MODEL 801-19

----- NET COOLING RATINGS -----										--- NET HEAT RATINGS ---			
WAT FLO	FNT WAT	COOL TOTAL	SFNS- 1BLE	HEAT OF REJECT	POWER INPUT WATTS	LVG WAT	ENT WAT	HEAT TOTAL	HEAT OF ABSORP	POWER INPUT WATTS	LVG WAT	PD FT OF WATER	
GPM	TEM	BTUH	BTUH			TEMP	TEMP	BTUH			TEMP		
2-30	65	20000	13800	25461	1600	87.2	60	16900	11439	1600	46.7	0.2	
3-60	65	20600	13900	25805	1525	79.3	60	18400	12854	1625	53.6	0.5	
4-90	65	20800	13900	25920	1500	75.5	60	19000	13369	1650	54.8	1.0	
6-20	65	20300	13800	25834	1475	73.3	60	19300	13669	1650	55.7	1.5	
2-30	75	18900	13300	24702	1700	96.5	65	18300	12754	1625	53.1	0.2	
3-60	75	19800	13700	25346	1625	89.1	65	19600	13883	1675	57.9	0.5	
4-90	75	20200	13800	25661	1600	85.5	65	20200	14483	1675	59.3	1.0	
6-20	75	20400	13900	25775	1575	83.3	65	20400	14598	1700	60.0	1.5	
2-30	85	17100	12300	23243	1800	105.3	70	19600	13883	1675	57.3	0.2	
3-60	85	18500	13100	24387	1725	98.6	70	20800	14998	1700	62.3	0.5	
4-90	85	19000	13400	24802	1700	95.1	70	21200	15313	1725	63.9	1.0	
6-20	85	19300	13500	25077	1675	93.1	70	21400	15513	1725	65.1	1.5	
2-30	90	16000	11700	22314	1850	109.5	80	21600	15627	1750	66.5	0.2	
3-60	90	17600	12600	23658	1775	103.2	80	22600	16542	1775	71.3	0.5	
4-90	90	18300	13000	24273	1750	99.9	80	22800	16657	1800	73.2	1.0	
6-20	90	18600	13100	24487	1725	97.9	80	23000	16771	1825	74.6	1.5	
2-30	95	14800	10900	21370	1925	113.5	90	23200	16971	1825	75.4	0.2	
3-60	95	16600	12000	22829	1825	107.7	90	23600	17286	1850	80.6	0.5	
4-90	95	17300	12500	23443	1800	104.6	90	23800	17401	1875	82.4	1.0	
6-20	95	17700	12700	23758	1775	102.7	90	23800	17315	1900	84.4	1.5	

Based upon ARI Standard 320-81.

CORRECTION FACTORS FOR VARIATION IN ENTERING AIR TEMPERATURES MODEL 801-19

EWB	TOTAL COOL	SENSIBLE				HEAT REJ	INPUT WATTS	EDB	TOTAL HEAT	HEAT ABS	INPUT WATTS	
		70 DB	75 DB	80 DB	85 DB							90 DB
61	0.878	0.871	1.086	1.302	1.517	1.732	0.903	0.986	1.60	1.013	1.045	0.930
64	0.943	0.719	0.935	1.150	1.365	1.580	0.955	0.993	1.65	1.012	1.030	0.965
67	1.000	0.570	0.785	1.000	1.215	1.430	1.000	1.000	1.70	1.000	1.000	1.000
70	1.049		0.637	0.852	1.067	1.282	1.039	1.007	1.75	0.977	0.955	1.035
73	1.090		0.490	0.706	0.921	1.136	1.072	1.014	1.80	0.943	0.899	1.070



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