

Performance Data
HE Horizontal 006

Contractor: _____ P.O.: _____

Engineer: _____

Project Name: _____ Unit Tag: _____

Nominal CFM 240

Water temperature range (25°F - 110°F)

Shaded area - Operation Not Recommended

GPM	EWT°F	Cooling Performance (EAT 80°/67°F)					Heating Performance (EAT 70°F)				UNIT WATER PRESSURE DROP PSI/FT
		TOTAL BTUH	SENSIBLE BTUH	HEAT OF REJECTION BTUH	POWER INPUT WATTS	EER	TOTAL BTUH	HEAT OF ABSORPTION BTUH	POWER INPUT WATTS	COP	
1.0	25						3900	2240	496	2.4	0.6/1.4
1.5	25						4370	2670	495	2.6	1.0/2.8
2.0	25						4710	2970	509	2.7	2.0/4.6
1.0	30						4680	2950	508	2.7	0.6/1.4
1.5	30						5130	3350	521	2.9	1.0/2.8
2.0	30						5440	3650	531	3.0	2.0/4.2
1.0	35						5380	3580	529	3.0	0.6/1.3
1.5	35						5820	3970	543	3.1	1.0/2.7
2.0	35						6090	4220	551	3.2	1.5/4.4
1.0	40	8160	5480	9790	477	17.7	6010	4140	549	3.2	0.5/1.2
1.5	40	8320	5650	9840	445	18.7	6430	4510	562	3.4	1.1/2.4
2.0	40	8360	5450	9840	435	19.2	6670	4720	571	3.4	1.7/4.0
1.0	45	8060	5480	9750	494	16.3	6570	4630	567	3.4	0.5/1.2
1.5	45	8250	5480	9820	461	17.9	6950	4970	581	3.5	1.0/2.4
2.0	45	8300	5460	9840	451	18.4	7160	5150	589	3.6	1.7/3.9
1.0	50	7930	5460	9680	512	15.5	7050	5050	585	3.5	0.5/1.1
1.5	50	8100	5470	9730	478	16.5	7400	5360	599	3.6	1.0/2.3
2.0	50	8220	5490	9820	468	17.6	7570	5500	606	3.7	1.6/3.8
1.0	60	7630	5370	9510	550	13.9	7900	5770	624	3.7	0.5/1.1
1.5	60	7910	5450	9670	515	15.4	8150	6000	630	3.8	1.0/2.2
2.0	60	7990	5470	9710	504	15.8	8250	6080	636	3.8	1.6/3.7
1.0	70	7150	5230	9270	591	12.3	8440	6270	635	3.9	0.5/1.1
1.5	70	7500	5350	9400	556	13.5	8600	6410	641	3.9	0.9/2.2
2.0	70	7670	5470	9550	544	14.1	8670	6470	645	3.9	1.5/3.6
1.0	80	6790	5020	8960	635	10.7	8680	6400	668	3.8	0.5/1.0
1.5	80	6990	5180	9040	601	11.6	8780	6490	671	3.8	0.9/2.1
2.0	80	7270	5240	9280	588	12.4	8900	6590	678	3.9	1.5/3.4
1.0	90	6250	4750	8580	683	9.1					0.4/1.0
1.5	90	6640	4950	8850	649	10.2					0.9/2.0
2.0	90	6780	5020	8950	636	10.7					1.5/3.3
1.0	100	5640	4430	8140	734	7.7					0.4/1.0
1.5	100	6040	4640	8430	701	8.6					0.9/2.0
2.0	100	6200	4730	8550	688	9.0					1.4/3.2
1.0	105	5310	4240	7910	761	7.0					0.4/0.9
1.5	105	5710	4470	8200	728	7.8					0.8/1.9
2.0	105	5870	4550	8310	715	8.2					1.4/3.1
1.0	110	4950	4040	7640	788	6.3					0.4/0.9
1.5	110	5360	4270	7940	757	7.1					0.8/1.9
2.0	110	5530	4370	8070	743	7.4					1.3/3.0

Interpolation is permissible. Extrapolation is not.

Performance data: Antifreeze solution used for 35°F and below EWT is 15% by weight solution of sodium chloride. (No Pumping Penalty Included).

Correction Factors

For Variations In Entering Air Temperature

Cooling Corrections						* Sensible equals Total				Heating Corrections			
Entering Air °F WB	Total Cooling Capacity	Sensible Cooling Capacity Entering Dry Bulb (°F)					Heat of Rejection	Entering Air °F DB	Total Heating Capacity	Heat of Absorption	Power Input Watts		
		70° DB	75° DB	80° DB	85° DB	90° DB							
61	0.901	0.916	1.151	1.290	1.388	1.482	0.917	60	1.087	1.049	0.961		
64	0.950	0.783	1.007	1.147	1.245	1.339	0.960	63	1.045	1.022	0.980		
67	1.000	0.619	0.863	1.000	1.223	1.482	1.000	70	1.000	1.000	1.000		
70	1.054	-	0.719	0.852	1.073	1.325	1.049	75	0.981	0.957	1.050		
73	1.108	-	-	0.706	0.930	1.152	1.090	80	0.940	0.920	1.064		

For Variations In Entering Air Flow

Cooling Corrections					Heating Corrections			
CFM	Total Cooling Capacity	Sensible Cooling Capacity	Heat of Rejection	Power Input Watts	Total Heating Capacity	Heat of Absorption	Power Input Watts	
165	0.947	0.890	0.979	0.981	0.940	0.950	1.019	
200	0.968	0.949	0.993	0.990	0.967	0.963	1.010	
240	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
280	1.008	1.021	1.014	1.009	1.008	1.009	0.995	
320	1.014	1.040	1.035	1.020	1.015	1.015	0.989	

Performance Data

E-Series

All Models 009

Contractor: _____ P.O.: _____
 Engineer: _____
 Project Name: _____ Unit Tag: _____

Nominal CFM 300

Water temperature range (25°F - 110°F)

Shaded area - Operation Not Recommended

GPM	EWT°F	Cooling Performance (EAT 84° / 67°F)					Heating Performance (EAT 70°F)				UNIT WATER PRESSURE DROP PSID/FT
		TOTAL BTUH	SENSIBLE BTUH	HEAT OF REJECTION BTUH	POWER INPUT WATTS	EEER	TOTAL BTUH	HEAT OF ABSORPTION BTUH	POWER INPUT WATTS	COP	
1.50	25						6550	4460	612	3.1	1.4/3.2
2.25	25						7130	4970	634	3.3	2.3/5.3
3.00	25						7440	5240	646	3.4	4.7/10.8
1.50	30						7050	4870	640	3.2	1.4/3.2
2.25	30						7580	5330	661	3.4	2.3/5.3
3.00	30						7870	5580	672	3.4	4.6/10.7
1.50	35						7710	5440	666	3.4	1.4/3.1
2.25	35						8200	5860	685	3.5	2.3/5.2
3.00	35						8470	6090	696	3.6	4.6/10.6
1.50	40	11570	8100	13680	620	18.7	8310	5960	690	3.5	1.2/2.8
2.25	40	11590	8090	13600	590	19.7	8770	6360	708	3.6	2.0/4.7
3.00	40	11620	8070	13580	575	20.2	9020	6570	718	3.7	4.1/10.0
1.50	45	11520	8080	13710	641	18.0	9130	6700	711	3.8	1.2/2.8
2.25	45	11550	8100	13660	611	19.0	9560	7080	728	3.8	2.0/4.6
3.00	45	11590	8110	13620	596	19.4	9810	7300	737	3.9	4.0/9.5
1.50	50	11400	8060	13710	678	16.8	9800	7240	750	3.8	1.2/2.7
2.25	50	11540	8090	13700	633	18.2	10040	7430	765	3.8	2.0/5.0
3.00	50	11570	8100	13680	618	18.7	10260	7620	774	3.9	4.0/9.1
1.50	60	10620	7970	13050	712	14.9	10900	7830	783	3.9	1.1/2.6
2.25	60	10820	8040	13140	679	15.9	10820	8110	795	4.0	1.5/4.4
3.00	60	10890	8060	13160	664	16.4	10990	8250	802	4.0	3.5/8.8
1.50	70	10100	7820	12590	731	13.8	11700	8930	812	4.2	1.1/2.5
2.25	70	10500	7920	12960	722	14.5	11940	9160	816	4.3	1.8/4.2
3.00	70	10610	7970	13050	714	14.9	12070	9270	821	4.3	3.7/8.5
1.50	80	9410	7610	12200	819	11.5	12170	9360	824	4.3	1.1/2.5
2.25	80	9740	7740	12420	784	12.4	12300	9470	828	4.4	1.8/4.1
3.00	80	9990	7800	12610	768	13.0	12560	9530	830	4.4	3.6/8.3
1.50	90	9040	7340	12040	878	10.3					1.0/2.4
2.25	90	9440	7500	12320	843	11.2					1.7/4.0
3.00	90	9630	7580	12450	826	11.7					3.5/8.0
1.50	100	8250	7010	11460	940	8.8					1.1/2.3
2.25	100	8710	7200	11800	905	9.6					1.7/3.9
3.00	100	8920	7290	11950	888	10.0					3.4/7.8
1.50	105	7800	6820	11120	975	8.0					1.0/2.3
2.25	105	8290	7030	11490	937	8.8					1.7/3.8
3.00	105	8510	7120	11650	920	9.2					3.4/7.8
1.50	110	7320	6620	10750	1006	7.3					1.0/2.3
2.25	110	7850	6830	11140	971	8.1					1.6/3.8
3.00	110	8070	6930	11520	954	8.5					3.3/7.7

Interpolation is permissible. Extrapolation is not.

Performance data: Antifreeze solution used for 35°F and below EWT is 15% by weight solution of sodium chloride. (No Pumping Penalty Included).

Correction Factors

For Variations In Entering Air Temperature

Entering Air °F DB	Cooling Corrections						Heating Corrections			
	Total Cooling Capacity	Sensible Cooling Capacity Entering Dry Bulb (°F)					Entering Air °F DB	Total Heating Capacity	Heat of Absorption	Power Input Watts
		70° DB	75° DB	80° DB	85° DB	90° DB				
63	0.880	0.689	0.973	1.280	*	*	60	1.027	1.024	0.939
64	0.940	0.628	0.854	1.145	1.302	*	65	1.012	1.010	0.970
67	1.000	0.566	0.735	1.000	1.158	1.384	70	1.000	1.000	1.000
70	1.059	-	0.616	0.859	1.016	1.289	75	0.993	0.987	1.038
73	1.119	-	-	0.720	0.873	1.196	80	0.988	0.975	1.075

For Variations In Entering Air Flow

CFM	Cooling Corrections				Heating Corrections		
	Total Cooling Capacity	Sensible Cooling Capacity	Heat of Rejection	Power Input Watts	Total Heating Capacity	Heat of Absorption	Power Input Watts
235	0.957	0.959	0.953	0.923	0.961	0.965	1.053
285	0.981	0.985	0.974	0.961	0.983	0.986	1.027
340	1.000	1.000	1.000	1.000	1.000	1.000	1.000
350	1.006	1.006	1.009	1.007	1.005	1.007	0.990
350	1.013	1.016	1.018	1.019	1.011	1.013	0.981

ClimateMaster

Performance Data E-Series All Models 012

Nominal CFM 350

Water temperature range (25°F - 110°F)

Shaded area - Operation not recommended

NATURE SAVER™ FAX MEMO 01816

Date	12-9-99	For Issues	6
To	DERECK		
Co./Dept.	Georg / inc		
Phone #	800 299 9747 x226		
Fax #	709 786 0986		

Contractor: _____

Engineer: _____

Project Name: _____

GPM	EWT/F	Cooling Performance (EAT 80°/67° F)					Heating Performance (EAT 70° F)				UNIT WATER PRESSURE DROP PSI/FT
		TOTAL BTUH	SENSIBLE BTUH	HEAT OF REJECTION BTUH	POWER INPUT WATTS	EER	TOTAL BTUH	HEAT OF ABSORPTION BTUH	POWER INPUT WATTS	COP	
1.50	25						8760	5710	892	2.9	1.84/0
2.50	25						9260	6130	912	3.0	4.29/7
3.50	25						9500	6350	922	3.0	7.4/17.2
1.50	30						9420	6290	919	3.0	1.74/0
2.50	30						9960	6750	940	3.1	4.29/6
3.50	30						10220	6980	951	3.2	7.4/17.0
1.50	35						10080	6860	945	3.1	1.74/0
2.50	35						10670	7370	969	3.2	4.19/5
3.50	35						10840	7600	979	3.3	7.3/17.0
1.50	40	14180	8870	17150	869	16.3	10740	7430	971	3.1	1.65/6
2.50	40	14550	9090	17310	808	18.0	11380	7980	997	3.3	3.78/5
3.50	40	14730	9220	17370	773	19.1	11660	8220	1008	3.4	6.6/15.2
1.50	45	13950	8760	17080	902	15.5	11400	8000	988	3.3	1.53/5
2.50	45	14360	8980	17230	841	17.1	12080	8580	1025	3.5	3.68/5
3.50	45	14560	9100	17310	807	18.1	12390	8850	1037	3.5	6.4/14.7
1.50	50	13700	8640	16890	934	14.7	12060	8570	1024	3.5	1.53/4
2.50	50	14250	8860	17230	873	16.2	12790	9200	1053	3.6	3.58/0
3.50	50	14370	8980	17310	840	17.1	13110	9470	1066	3.6	6.2/14.3
1.50	60	13140	8410	16550	998	13.2	13340	9710	1077	3.6	1.43/3
2.50	60	13670	8620	16870	939	14.6	14200	10410	1109	3.8	3.47/8
3.50	60	13910	8740	17010	907	15.3	14550	10720	1123	3.8	6.0/14.0
1.50	70	12480	8180	16120	1063	11.7	14710	10860	1130	3.8	1.43/2
2.50	70	13090	8390	16510	1004	13.0	15620	11640	1166	3.9	3.37/6
3.50	70	13360	8500	16680	974	13.7	15990	11960	1181	4.0	5.8/13.5
1.50	80	11750	7950	15600	1128	10.4	16030	12000	1182	4.0	1.33/0
2.50	80	12430	8160	16080	1069	11.6	17050	12860	1222	4.1	3.27/4
3.50	80	12720	8250	16270	1042	12.2	17440	13210	1239	4.1	5.7/13.1
1.50	90	10930	7710	15000	1192	9.2					1.33/0
2.50	90	11670	7920	15340	1134	10.3					3.17/2
3.50	90	11980	8010	15760	1109	10.8					5.5/12.7
1.50	100	10020	7480	14310	1257	8.0					1.32/9
2.50	100	10830	7690	14920	1199	9.0					3.07/0
3.50	100	11150	7770	15160	1176	9.5					5.4/12.4
1.50	105	9530	7370	13930	1289	7.4					1.22/8
2.50	105	10830	7570	14580	1232	8.4					2.9/6.8
3.50	105	11150	7650	14830	1209	8.8					5.2/12.0
1.50	110	9020	7250	13530	1321	6.8					1.22/8
2.50	110	9900	7450	14210	1264	7.8					2.9/6.5
3.50	110	10220	7530	14460	1243	8.2					5.1/11.7

Interpolation is permissible. Extrapolation is not.

Performance data: Antifreeze solution used for 35°F and below EWT is 15% by weight solution of sodium chloride. (No Pumping Penalty Included).

Correction Factors

For Variations In Entering Air Temperature

Cooling Corrections							* Sensible equals Total				Heating Corrections			
Entering Air °F WB	Total Cooling Capacity	Sensible Cooling Capacity Entering Dry Bulb (°F)					Heat of Rejection	Entering Air °F DB	Total Heating Capacity	Heat of Absorption	Power Input Watts			
		70° DB	75° DB	80° DB	85° DB	90° DB								
61	0.992	0.818	1.036	1.228	*	*	0.930	60	1.070	1.041	0.963			
64	0.987	0.702	0.911	1.116	1.267	*	0.965	65	1.033	1.020	0.984			
67	1.000	0.585	0.788	1.000	1.166	1.410	1.000	70	1.000	1.000	1.000			
70	1.038	-	0.660	0.887	1.066	1.310	1.070	75	0.975	0.975	1.030			
73	1.080	-	-	0.771	0.966	1.194	1.167	80	0.960	0.960	1.056			

For Variations In Entering Air Flow

Cooling Corrections					Heating Corrections			
CFM	Total Cooling Capacity	Sensible Cooling Capacity	Heat of Rejection	Power Input Watts	Total Heating Capacity	Heat of Absorption	Power Input Watts	
250	0.930	0.560	0.970	0.989	0.957	0.947	1.021	
320	0.970	0.921	0.985	0.994	0.980	0.981	1.010	
350	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
390	1.009	1.017	1.011	1.030	1.025	1.025	0.991	
435	1.019	1.031	1.020	1.043	1.048	1.041	0.985	

Performance Data E-Series All Models 015

Contractor: _____ P.O.: _____
Engineer: _____
Project Name: _____ Unit Tag: _____

Nominal CFM 500

Water temperature range (25°F - 110°F)

Shaded area - Operation Not Recommended

GPM	EWT°F	Cooling Performance (EAT 89° / 67°F)					Heating Performance (EAT 70°F)				UNIT WATER PRESSURE DROP PSL/FT
		TOTAL BTUH	SENSIBLE BTUH	HEAT OF REJECTION BTUH	POWER INPUT WATTS	EEER	TOTAL BTUH	HEAT OF ABSORPTION BTUH	POWER INPUT WATTS	COP	
2.00	25						10700	7400	999	3.1	0.9/2.1
3.50	25						11600	7700	1008	3.2	2.4/5.6
5.00	25						11300	7900	1016	3.3	5.0/10.4
2.00	30						11400	8000	1019	3.3	0.9/2.1
3.50	30						11800	8400	1029	3.4	2.4/5.5
5.00	30						12100	8600	1037	3.4	4.5/10.3
2.00	35						12100	8700	1038	3.4	0.9/2.0
3.50	35						12600	9100	1049	3.5	2.4/5.5
5.00	35						12900	9300	1057	3.6	4.4/10.2
2.00	40	15100	10900	18000	861	17.5	12800	9300	1056	3.6	0.8/1.8
3.50	40	15300	10900	18100	873	18.6	13300	9800	1068	3.6	2.2/5.0
5.00	40	15400	10400	18200	812	19.0	13600	10100	1075	3.7	4.0/9.2
2.00	45	15100	11000	18100	889	17.0	13500	10000	1075	3.7	0.8/1.8
3.50	45	15400	10800	18300	845	18.2	14100	10500	1086	3.8	2.1/4.9
5.00	45	15500	10600	18300	831	18.6	14400	10800	1093	3.9	3.9/8.0
2.00	50	16100	11200	19300	959	17.2	14000	10600	1090	3.8	0.8/1.8
3.50	50	16300	10900	19370	890	18.3	14900	11200	1103	4.0	2.1/4.8
5.00	50	16400	10800	19400	874	18.8	15200	11500	1110	4.0	3.8/8.8
2.00	60	16050	11300	19450	993	16.1	15700	11900	1120	4.1	0.8/1.7
3.50	60	16200	11200	19400	932	17.4	16500	12500	1134	4.3	2.0/4.6
5.00	60	16350	11100	19475	915	17.9	16800	12900	1141	4.3	3.7/8.5
2.00	70	16000	11300	19500	1020	15.6	17700	13200	1146	4.5	0.7/1.7
3.50	70	16100	11350	19530	1009	16.0	18000	14000	1161	4.5	1.9/4.5
5.00	70	16300	11300	19700	984	16.6	18400	14300	1167	4.6	3.6/9.2
2.00	80	15200	11200	19200	1184	12.8	18500	14500	1170	4.6	0.7/1.6
3.50	80	15600	11300	19400	1100	14.2	19600	15400	1184	4.8	1.9/4.5
5.00	80	15700	11300	19400	1070	14.7	20000	15800	1190	4.9	3.5/8.0
2.00	90	14400	10900	18800	1301	11.1					0.7/1.6
3.50	90	15000	11100	19100	1206	12.4					1.8/4.2
5.00	90	15200	11200	19200	1172	13.0					3.4/7.7
2.00	100	13400	10500	18300	1432	9.4					0.7/1.5
3.50	100	14200	10800	18700	1327	10.7					1.8/4.1
5.00	100	14500	10900	18900	1288	11.3					3.3/7.5
2.00	105	12800	10200	17900	1504	8.5					0.6/1.5
3.50	105	13700	10600	18500	1394	9.8					1.7/3.9
5.00	105	14000	10700	18600	1352	10.4					3.2/7.3
2.00	110	12200	9900	17600	1578	7.7					0.6/1.4
3.50	110	13200	10300	18200	1463	9.0					1.7/3.8
5.00	110	13500	10500	18300	1419	9.5					3.1/7.1

Interpolation is permissible. Extrapolation is not.

Performance data: Antifreeze solution used for 35°F and below EWT is 15% by weight solution of sodium chloride. (No Pumping Penalty Included).

Correction Factors

For Variations In Entering Air Temperature

	Cooling Corrections					* Sensible equals Total	Heating Corrections				
Entering Air ° F DB	Total Cooling Capacity	Sensible Cooling Capacity Entering Dry Bulb (°F)					Heat of Rejection	Entering Air ° F DB	Total Heating Capacity	Heat of Absorption	Power Input Watts
		70° DB	75° DB	80° DB	85° DB	90° DB					
61	0.890	0.826	1.028	1.300	*	*	0.895	50	1.008	1.035	0.965
64	0.945	0.730	0.889	1.165	1.267	*	0.950	55	1.005	1.020	0.980
67	1.000	0.631	0.751	1.000	1.139	1.370	1.000	60	1.000	1.000	1.000
70	1.023	-	0.612	0.835	1.012	1.230	1.027	65	0.988	0.978	1.030
73	1.046	-	-	0.669	0.884	1.097	1.045	70	0.972	0.960	1.052

For Variations In Entering Air Flow

CFM	Cooling Corrections				Heating Corrections		
	Total Cooling Capacity	Sensible Cooling Capacity	Heat of Rejection	Power Input Watts	Total Heating Capacity	Heat of Absorption	Power Input Watts
450	0.962	0.912	0.976	0.988	0.963	0.950	1.018
475	0.976	0.956	0.988	0.994	0.980	0.977	1.010
500	1.000	1.000	1.000	1.000	1.000	1.000	1.000
525	1.008	1.029	1.010	1.009	1.011	1.011	0.982
550	1.015	1.044	1.021	1.017	1.020	1.019	0.967

Performance Data

E-Series

All Models 019

Contractor: _____ P.O.: _____
 Engineer: _____
 Project Name: _____ Unit Tag: _____

Nominal CFM 600

Water temperature range (25°F - 110°F)

Shaded area - Operation Not Recommended

GPM	EWT°F	Cooling Performance (EAT 89° / 67°F)					Heating Performance (EAT 78°F)				UNIT WATER PRESSURE DROP PSI/FT
		TOTAL BTUH	SENSIBLE BTUH	HEAT OF REJECTION BTUH	POWER INPUT WATTS	EER	TOTAL BTUH	HEAT OF ABSORPTION BTUH	POWER INPUT WATTS	COP	
2.50	25						12800	8300	1322	2.8	1.3/3.1
4.00	25						13200	8600	1352	2.9	3.1/7.0
5.50	25						13700	9000	1388	2.9	5.3/12.2
2.50	30						13900	9200	1383	2.9	1.3/3.1
4.00	30						14300	9600	1408	3.0	3.0/7.0
5.50	30						15000	10100	1449	3.0	5.3/12.1
2.50	35						15100	10200	1439	3.1	1.3/3.0
4.00	35						15700	10700	1463	3.1	3.0/6.9
5.50	35						16300	11100	1510	3.2	5.2/12.0
2.50	40	24800	16500	29500	1336	18.64	16500	11200	1494	3.2	1.2/2.7
4.00	40	25700	16900	30600	1259	20.41	17000	11800	1519	3.3	2.7/6.2
5.50	40	26400	17200	30500	1189	22.20	17500	12100	1571	3.3	4.7/10.7
2.50	45	24300	16200	29000	1392	17.46	17500	12300	1550	3.3	1.2/2.7
4.00	45	25100	16600	29600	1313	19.12	18300	12900	1574	3.4	2.6/6.1
5.50	45	25800	16900	30100	1249	20.66	18800	13200	1632	3.4	4.6/10.5
2.50	50	22400	16100	29400	1451	16.82	18700	13200	1605	3.4	1.1/2.6
4.00	50	23300	16400	29500	1368	17.98	19000	13400	1630	3.4	2.6/6.7
5.50	50	23900	16700	29700	1307	19.28	20100	14300	1694	3.5	4.5/10.3
2.50	60	21900	15400	27700	1566	14.30	21000	13100	1717	3.6	1.1/2.5
4.00	60	22200	15800	28300	1477	15.78	22100	16200	1741	3.7	2.5/5.8
5.50	60	22600	16100	28800	1425	16.77	22600	16400	1816	3.7	4.4/10.0
2.50	70	19900	15200	27600	1660	13.19	23600	17500	1793	3.8	1.1/2.46
4.00	70	21000	15300	27600	1587	13.99	24000	17700	1813	3.9	2.4/5.6
5.50	70	21600	15500	27900	1545	14.63	25300	18600	1880	3.9	4.2/9.7
2.50	80	19900	14300	26000	1794	11.09	24500	18100	1883	3.8	1.0/2.4
4.00	80	21000	14800	26800	1697	12.37	25900	19400	1920	4.0	2.4/5.4
5.50	80	21400	14900	27100	1661	12.88	26400	19600	1925	4.0	4.1/9.4
2.50	90	18700	13700	25200	1910	9.79					1.0/2.3
4.00	90	19800	14200	26000	1808	10.95					2.3/5.3
5.50	90	20100	14400	26200	1778	11.30					4.0/9.1
2.50	100	17500	13200	24400	2026	8.64					1.0/2.2
4.00	100	18600	13700	25100	1918	9.70					2.2/5.1
5.50	100	18900	13800	25400	1895	9.97					3.9/8.9
2.50	105	16800	12900	23500	2084	8.06					1.0/2.2
4.00	105	18000	13400	24700	1974	9.12					2.2/5.1
5.50	105	18200	13500	24900	1953	9.32					3.9/8.8
2.50	110	16200	12500	23000	2142	7.56					1.0/2.2
4.00	110	17400	13100	24300	2031	8.57					2.3/5.0
5.50	110	17600	13200	24500	2012	8.75					3.8/8.7

Interpolation is permissible. Extrapolation is not.

Performance data: Antifreeze solution used for 35°F and below EWT is 15% by weight solution of sodium chloride. (No Pumping Penalty Included).

Correction Factors

For Variations In Entering Air Temperature

Cooling Corrections							* Sensible equals Total	Heating Corrections			
Entering Air ° F WB	Total Cooling Capacity	Sensible Cooling Capacity Entering Dry Bulb (°F)					Heat of Rejection	Entering Air ° F DB	Total Heating Capacity	Heat of Absorption	Power Input Watts
		70° DB	75° DB	80° DB	85° DB	90° DB					
61	0.900	0.837	1.051	1.290	*	*	0.901	60	1.073	1.132	0.962
64	0.965	0.709	0.918	1.145	1.262	*	0.960	65	1.335	1.367	0.984
67	1.000	0.580	0.785	1.000	1.135	1.320	1.000	70	1.600	1.600	1.000
70	1.050	-	0.652	0.856	1.009	1.206	1.020	75	0.997	0.975	1.038
73	1.050	-	-	0.709	0.882	1.092	1.030	80	0.995	0.955	1.082

For Variations In Entering Air Flow

Cooling Corrections					Heating Corrections		
CFM	Total Cooling Capacity	Sensible Cooling Capacity	Heat of Rejection	Power Input Watts	Total Heating Capacity	Heat of Absorption	Power Input Watts
550	0.989	0.821	0.988	0.981	0.976	0.969	1.026
575	0.995	0.911	0.991	0.992	0.990	0.980	1.011
600	1.000	1.000	1.000	1.000	1.000	1.000	1.000
625	1.009	1.060	1.009	1.010	1.009	1.008	0.983
750	1.016	1.130	1.020	1.021	1.021	1.016	0.970

Performance Data

E-Series

All Models 024

Nominal CFM 850

Water temperature range (25°F - 110°F)

Shaded area - Operation Not Recommended

Contractor: _____ P.O.: _____

Engineer: _____

Project Name: _____ Unit Tag: _____

		Cooling Performance (EAT 89°/67°F)						Heating Performance (EAT 70°F)					UNIT WATER PRESSURE DROP PSI/FT
GPM	EWT°F	TOTAL BTUH	SENSIBLE BTUH	HEAT OF REJECTION BTUH	POWER INPUT WATTS	EER	HWG TOTAL BTUH	TOTAL BTUH	HEAT OF ABSORPTION BTUH	POWER INPUT WATTS	COP	HWG TOTAL BTUH	
2.00	25							13900	9300	1348	3.0	2900	1.5/3.3
4.00	25							16800	11600	1523	3.2	3600	3.1/7.1
6.00	25							17900	12110	1577	3.2	3100	5.8/13.1
2.00	30							14200	9350	1420	2.9	3000	1.3/5.0
4.00	30							18000	12600	1578	3.3	3100	3.0/8.9
6.00	30							19300	14090	1672	3.4	3200	5.5/12.7
2.00	35							16400	11320	1487	3.2	3150	1.2/2.7
4.00	35							19200	13580	1644	3.4	3300	2.9/6.7
6.00	35							20200	14340	1715	3.5	3400	5.3/12.2
2.00	40	23200	18300	34000	1690	16.7	3400	18800	12960	1710	3.3	3300	1.0/2.1
4.00	40	29300	18500	34500	1530	19.2	3100	21150	15240	1730	3.6	3500	2.7/6.2
6.00	40	30000	19300	35100	1500	20.0	2400	22000	15850	1800	3.7	3600	5.3/12.1
2.00	45	27600	18200	33600	1750	15.8	3700	20800	14930	1720	3.5	3500	0.9/2.0
4.00	45	28800	18700	34200	1570	18.5	3400	22300	16260	1770	3.7	3700	2.7/6.2
6.00	45	29500	19100	34800	1550	19.0	3300	22800	16520	1840	3.7	3800	5.2/12.0
2.00	50	27000	18000	33200	1810	14.9	4000	22200	16050	1800	3.6	3700	0.9/1.9
4.00	50	28200	18500	33800	1630	17.3	3600	24000	17720	1840	3.8	3900	2.7/6.1
6.00	50	28900	18900	34400	1610	18.0	3500	24600	18380	1880	3.8	4000	5.2/12.0
2.00	60	25900	17800	32600	1960	13.2	4600	24600	18180	1880	3.8	4100	0.8/1.8
4.00	60	27100	18200	33000	1740	15.6	4200	26200	19740	1891	4.0	4300	2.5/5.7
6.00	60	27800	18600	33700	1730	16.1	4100	27000	20300	1960	4.0	4400	5.0/11.5
2.00	70	24800	17300	32200	2170	11.4	5100	27200	20540	1950	4.1	4400	0.8/1.8
4.00	70	26000	17900	32400	1800	13.0	4800	29000	22240	1980	4.3	4600	2.4/5.5
6.00	70	26700	18200	33100	1790	14.9	4600	29600	22600	2030	4.2	4700	4.9/11.3
2.00	80	23600	17000	31800	2410	9.8	5700	29600	22700	2020	4.3	4800	0.7/1.6
4.00	80	24700	17500	32000	2040	12.1	5400	31400	24400	2050	4.5	5000	2.2/5.1
6.00	80	25400	17900	32300	2030	12.5	5300	32300	25060	2090	4.5	5100	4.8/10.9
2.00	90	22400	16500	31400	2360	9.5	6300						0.7/1.5
4.00	90	23400	17000	31600	2180	10.7	6000						2.2/5.0
6.00	90	24100	17400	31800	2190	11.0	5800						4.6/10.6
2.00	100												
4.00	100	21700	16500	29400	2260	9.6	6600						2.1/4.8
6.00	100	22700	16800	30700	2250	10.1	6400						4.5/10.4
2.00	105												
4.00	105	20750	16100	28400	2340	9.3	7100						2.0/4.5
6.00	105	21750	16400	29600	2255	9.7	6850						4.4/10.2
2.00	110												
4.00	110	19800	15700	27400	2220	8.9	7600						1.9/4.3
6.00	110	20800	16000	28500	2260	9.0	7300						4.4/10.1

Interpolation is permissible. Extrapolation is not.

Performance data: Antifreeze solution used for 35°F and below EWT is 15% by weight solution of sodium chloride. (No Pumping Penalty Included).

Correction Factors

For Variations In Entering Air Temperature

Cooling Corrections						Heating Corrections			
Entering Air °F DB	Total Cooling Capacity	Sensible Cooling Capacity Entering Dry Bulb (°F)					Entering Air °F DB	Total Heating Capacity	Heat of Absorption
		70° DB	75° DB	80° DB	85° DB	90° DB			
61	0.884	0.790	1.035	1.222	1.523	*	60	1.015	1.051
64	0.942	0.674	0.887	1.123	1.584	1.502	65	1.008	1.025
67	1.000	0.558	0.740	1.000	1.218	1.353	70	1.000	1.000
70	1.019	-	0.648	0.823	1.026	1.209	75	0.993	0.974
75	1.058	-	0.556	0.820	0.781	1.066	80	0.985	0.949

For Variations In Entering Air Flow

Cooling Corrections					Heating Corrections		
CFM	Total Cooling Capacity	Sensible Cooling Capacity	Heat of Rejection	Power Input Watts	Total Heating Capacity	Heat of Absorption	Power Input Watts
650	0.981	0.796	0.977	0.976	0.972	0.963	1.031
750	0.991	0.898	0.989	0.982	0.986	0.981	1.015
850	1.000	1.000	1.000	1.000	1.000	1.000	1.000
950	1.010	1.067	1.012	1.011	1.012	1.010	0.978
1050	1.019	1.135	1.023	1.023	1.023	1.019	0.955
1150	1.027	1.204	1.033	1.035	1.030	1.027	0.931

ClimateMaster works continually to improve its products. As a result, the designs and specifications of each product at the time of order may be changed without notice and may not be as described herein. Please contact ClimateMaster's Customer Services Department at 1-405-745-6000 for specific information on the current design and specifications. Statements and other information contained herein are not express warranties and do not form the basis of any bargain between the parties, but are strictly ClimateMaster's opinion or representation of its products.

Performance Data

E-Series

All Models 030

Contractor: _____ P.O.: _____

Engineer: _____

Project Name: _____ Unit Tag: _____

Nominal CFM 1110

Water temperature range (25°F - 110°F)

Shaded area - Operation Not Recommended

		Cooling Performance (EAT 88° / 67°F)					Heating Performance (EAT 70°F)					UNIT WATER PRESSURE DROP PS/LFT	
GPM	EWT°F	TOTAL BTUH	SENSIBLE BTUH	HEAT OF REJECTION BTUH	POWER INPUT WATTS	EER	HWG TOTAL BTUH	TOTAL BTUH	HEAT OF ABSORPTION BTUH	POWER INPUT WATTS	COP		HWG TOTAL BTUH
3.00	25							18500	12200	1767	3.1	2400	0.6/1.5
6.50	25							19700	13200	1818	3.2	3000	2.7/6.2
7.00	25							19800	13200	1821	3.2	3100	3.0/7.0
3.00	30							20400	13700	1848	3.2	2700	0.6/1.5
6.50	30							21900	15000	1917	3.3	3300	2.6/6.1
7.00	30							22000	15100	1921	3.4	3400	3.0/6.8
3.00	35							22200	15300	1950	3.4	3000	0.6/1.4
6.50	35							24100	16900	2017	3.5	3600	2.6/6.0
7.00	35							24200	17000	2021	3.5	3700	2.9/6.7
3.00	40	33400	22100	40330	2030	16.9	5400	24000	16800	2012	3.5	3300	0.6/1.3
6.50	40	36300	23000	42510	1820	19.9	3300	26400	18800	2116	3.7	4100	2.3/5.4
7.00	40	36400	23100	42550	1800	20.2	3200	26500	18900	2121	3.7	4100	2.6/6.1
3.00	45	33200	21800	40160	2070	16.0	3900	25900	16400	2050	3.6	3600	0.6/1.3
6.50	45	35600	22700	42080	1900	18.7	3700	28500	20700	2215	3.8	4300	2.3/5.3
7.00	45	35700	22800	42100	1880	19.0	3600	28700	20800	2221	3.8	4400	2.6/6.0
3.00	50	33100	21400	40576	2190	15.3	4300	27700	19900	2175	3.7	4000	0.5/1.5
6.50	50	35000	22300	41700	1970	17.8	4000	30500	22500	2314	3.9	4800	2.3/5.2
7.00	50	35100	22400	41800	1960	17.9	3900	31000	22600	2320	3.9	4900	2.6/5.9
3.00	60	31700	20800	39700	2340	11.5	5200	31300	23000	2338	3.9	4600	0.5/1.2
6.50	60	33500	21700	40800	2130	15.7	4700	35900	26800	2513	4.1	5400	2.3/5.2
7.00	60	33700	21700	40900	2120	15.9	4600	36400	26900	2520	4.1	5500	2.5/5.8
3.00	70	30400	20100	38900	2500	12.2	6100	35000	26100	2501	4.1	5300	0.5/1.2
6.50	70	32300	21000	39800	2250	14.0	5400	40000	30000	2711	4.3	6000	2.2/5.1
7.00	70	32300	21100	40500	2270	14.2	5300	40200	30200	2720	4.3	6100	2.5/5.8
3.00	80	29000	19400	38500	2650	10.9	7000	38700	29700	2664	4.3	5900	0.5/1.2
6.50	80	30800	20300	39150	2450	12.6	6200	44300	33800	2909	4.5	6700	2.2/5.1
7.00	80	30900	20400	39200	2430	12.7	6100	44400	34000	2919	4.5	6800	2.5/5.7
3.00	90	27700	18200	37300	2810	9.9	7900						0.5/1.2
6.50	90	29400	19600	38300	2610	11.3	7000						2.2/5.0
7.00	90	29600	19700	38450	2590	11.4	6800						2.4/5.6
3.00	100												
6.50	100	28100	19000	37550	2770	10.1	7700						2.1/4.9
7.00	100	28200	19000	37600	2750	10.3	7600						2.4/5.6
3.00	105												
6.50	105	27400	18600	37100	2840	9.6	8000						2.1/4.9
7.00	105	27500	18700	37150	2830	9.7	7900						2.4/5.5
3.00	110												
6.50	110	26700	18300	36650	2920	9.1	8400						2.1/4.8
7.00	110	26800	18300	36700	2910	9.2	8200						2.4/5.4

Interpolation is permissible. Extrapolation is not.

Performance data: Antifreeze solution used for 35°F and below EWT is 15% by weight solution of sodium chloride. (No Pumping Penalty Included).

Correction Factors

For Variations In Entering Air Temperature

Entering Air °F DB	Cooling Corrections						Heating Corrections			
	Total Cooling Capacity	Sensible Cooling Capacity Entering Dry Bulb (°F)					Entering Air °F DB	Total Heating Capacity	Heat of Absorption	Power Input Watts
		70° DB	75° DB	80° DB	85° DB	90° DB				
61	0.844	0.804	1.023	1.253	1.447	*	60	1.023	1.044	0.915
64	0.923	0.685	0.893	1.119	1.317	1.508	65	1.006	1.022	0.988
67	1.000	0.581	0.763	1.000	1.187	1.362	70	1.000	1.000	1.000
70	1.036	-	0.633	0.860	1.059	1.248	75	0.987	0.972	1.039
73	1.071	-	0.506	0.755	0.929	1.132	80	0.974	0.945	1.078

For Variations In Entering Air Flow

CFM	Cooling Corrections				Heating Corrections		
	Total Cooling Capacity	Sensible Cooling Capacity	Heat of Rejection	Power Input Watts	Total Heating Capacity	Heat of Absorption	Power Input Watts
750	0.949	0.802	0.949	0.957	0.974	0.965	1.030
875	0.980	0.915	0.979	0.979	0.985	0.981	1.015
1110	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1125	1.011	1.063	1.012	1.019	1.014	1.021	0.990
1250	1.018	1.117	1.020	1.031	1.031	1.043	0.981

Performance Data
E-Series
All Models 036

Contractor: _____ P.O.: _____

Engineer: _____

Project Name: _____ Unit Tag: _____

Nominal CEM 1300

Water temperature range (25°F - 110°F)

Shaded area - Operation Not Recommended

		Cooling Performance (EAT 80°/ 67°F)						Heating Performance (EAT 70°F)				UNIT WATER PRESSURE DROP PSI/FT	
GPM	FWT°F	TOTAL BTUH	SENSIBLE BTUH	HEAT OF REJECTION BTUH	POWER INPUT WATTS	SEER	HWG TOTAL BTUH	TOTAL BTUH	HEAT OF ABSORPTION BTUH	POWER INPUT WATTS	COP		HWG TOTAL BTUH
6.00	25							24000	17100	2600	2.9	4400	1.5/5.3
8.00	25							24800	17600	2700	3.0	4800	3.0/6.8
10.00	25							26300	18900	2750	3.2	5200	4.1/9.4
6.00	30							25200	19200	2700	3.0	4600	2.0/4.6
8.00	30							26900	19300	2800	3.1	5000	2.9/6.7
10.00	30							28300	20600	2810	3.2	5400	4.0/9.3
6.00	35							28400	20950	2800	3.1	5000	2.0/4.6
8.00	35							29000	21000	2900	3.2	5400	2.9/6.7
10.00	35							31500	22500	2910	3.3	5800	3.9/8.0
6.00	40	45300	30400	54500	2700	16.8	4700	31000	22675	2950	3.2	5400	1.7/3.9
8.00	40	46200	30500	55300	2670	17.3	4500	33000	23050	3000	3.3	5800	2.6/6.1
10.00	40	47400	30800	56400	2650	17.9	4300	34850	24200	3015	3.4	6200	3.7/8.6
6.00	45	45900	29900	53200	2730	16.1	5200	35000	24400	3100	3.5	5800	1.7/3.8
8.00	45	44900	30100	54100	2700	16.6	4800	35700	25100	3110	3.4	6200	2.6/6.0
10.00	45	46000	30400	55100	2670	17.2	4600	37000	25900	3117	3.5	6600	3.6/8.3
6.00	50	42500	29400	52000	2800	15.4	5500	35000	26500	3100	3.5	6200	1.6/3.7
8.00	50	43500	29600	52800	2720	16.0	5100	38200	27200	3200	3.6	6600	2.6/5.9
10.00	50	44600	29900	53800	2700	16.5	4900	39300	27800	3212	3.6	7000	3.6/8.4
6.00	60	39800	28100	49400	2800	14.1	6100	41600	30300	3290	3.7	6900	1.6/3.6
8.00	60	40800	28400	50500	2790	14.6	5800	42400	31100	3300	3.8	7300	2.5/5.7
10.00	60	41800	28600	51200	2750	15.2	5500	43800	32000	3308	3.9	7700	3.6/8.2
6.00	70	37800	27000	47900	2880	12.5	6700	46000	34400	3360	4.0	7700	1.5/3.3
8.00	70	38400	27200	48100	2860	13.3	6200	46800	35100	3400	4.0	8100	2.4/5.5
10.00	70	39000	27900	48600	2800	13.9	6100	48600	36100	3500	4.1	8500	3.5/8.1
6.00	80	34300	25000	44600	3000	11.4	7300	50600	38300	3490	4.1	8400	1.4/3.1
8.00	80	35200	25300	45300	2960	11.9	7000	51000	39000	3500	4.2	8800	2.4/5.4
10.00	80	36200	25700	46100	2900	12.5	6700	52800	39900	3600	4.3	9300	3.4/7.9
6.00	90	31400	22200	42100	3140	10.0	7900						1.3/3.4
8.00	90	32500	23700	43000	3070	10.6	7600						2.3/5.2
10.00	90	33400	24000	43600	2990	11.2	7300						3.4/7.7
6.00	100	28600	21500	40000	3300	8.6	8500						1.3/2.9
8.00	100	29600	21900	40500	3180	9.3	8200						2.2/5.0
10.00	100	30600	22300	41100	3090	9.9	7900						3.3/7.6
6.00	105	27250	20600	39100	3450	7.9	8800						1.2/2.8
8.00	105	28200	21000	39350	3265	8.7	8500						1.2/5.0
10.00	105	28500	21450	39950	3160	9.3	8200						3.2/7.4
6.00	110	25900	19700	38200	3600	7.2	9100						1.2/2.8
8.00	110	26800	20100	39200	3350	8.0	8800						2.1/4.9
10.00	110	27800	20600	38800	3220	8.6	8500						3.2/7.4

Interpolation is permissible. Extrapolation is not.

Performance data: Antifreeze solution used for 35°F and below EWT is 35% by weight solution of sodium chloride. (No Pumping Penalty Included)

Correction Factors

For Variations In Entering Air Temperature

		Cooling Corrections					* Sensible equals Total	Heating Corrections			
Entering Air °F WB	Total Cooling Capacity	Sensible Cooling Capacity Entering Dry Bulb (°F)					Heat of Rejection	Entering Air °F DB	Total Heating Capacity	Heat of Absorption	Power Input Watts
		70° DB	75° DB	80° DB	85° DB	90° DB					
51	0.910	0.763	1.030	"	"	"	0.895	60	1.025	1.047	0.965
54	0.955	0.675	0.881	1.148	"	"	0.948	65	1.010	1.023	0.990
57	1.000	0.466	0.793	1.500	1.267	"	1.000	70	0.995	1.000	1.000
70	1.045	"	0.585	0.852	1.138	"	1.055	75	0.980	0.977	1.040
73	1.090	"	0.456	0.703	0.970	1.397	1.109	80	0.965	0.953	1.065

For Variations In Entering Air Flow

	Cooling Corrections				Heating Corrections		
CFM	Total Cooling Capacity	Sensible Cooling Capacity	Heat of Rejection	Power Input Watts	Total Heating Capacity	Heat of Absorption	Power Input Watts
900	0.961	0.955	0.954	0.913	0.961	0.966	1.045
1075	0.980	0.978	0.982	0.957	0.980	0.983	1.022
1153	0.990	0.989	0.996	0.978	0.990	0.992	1.011
1300	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1400	1.014	1.016	1.020	1.031	1.014	1.012	0.984
1500	1.023	1.032	1.050	1.062	1.023	1.024	0.968

Customer orders are made continually to numerous US providers. As a result, the design and specifications of each product at the time of order may be changed without notice and may not be as described herein. Please contact Customer Manager's Customer Service Department at 1-800-745-6000 for specific information on the current design and specifications. Statements and other information contained herein are not exact warranties and do not form the basis of any warranty between the parties. Also, see website CustomerManager.com for confirmation of all details.

Performance Data E-Series All Models 042

Nominal CFM 1500

Water temperature range (25°F - 110°F)

Shaded area - Operation Not Recommended

Contractor: _____ P.O.: _____
Engineer: _____
Project Name: _____ Unit Tag: _____

GPM	EWT°F	Cooling Performance (EAT 80°/67°F)						Heating Performance (EAT 70°F)					UNIT WATER PRESSURE DROP PSI/FT
		TOTAL BTUH	SENSIBLE BTUH	HEAT OF REJECTION BTUH	POWER INPUT WATTS	EER	BWG TOTAL BTUH	TOTAL BTUH	HEAT OF ABSORPTION BTUH	POWER INPUT WATTS	COP	HWG TOTAL BTUH	
5.00	25							26000	11874	2380	2.5	5600	1.2/7.0
8.00	25							26800	14396	2520	2.7	6000	3.3/12.0
10.00	25							28300	15450	2680	2.7	6164	5.8/18.6
5.00	30							28400	14985	2500	2.8	5900	2.1/6.7
8.00	30							28900	16718	2660	2.8	6200	3.7/11.7
10.00	30							30300	21040	2800	3.2	6369	5.7/18.2
5.00	35							30400	17055	2620	2.9	6400	2.0/6.4
8.00	35							31000	19709	2780	3.1	6800	3.6/11.4
10.00	35							33600	23562	2940	3.3	6987	5.6/17.9
5.00	40	49500	33500	59673	2880	16.4	4800	32000	21270	2850	3.2	6550	1.7/5.5
8.00	40	50200	34000	59760	2800	17.9	4600	34000	23690	3020	3.3	6950	3.3/10.6
10.00	40	51000	34400	60220	2700	18.9	4541	36700	25980	3140	3.4	7141	5.3/17.0
5.00	45	48500	33000	59020	3080	15.7	5000	34000	23830	2980	3.3	6700	1.7/5.3
8.00	45	49300	33600	59270	2920	16.9	4700	37000	26245	3150	3.4	7100	3.3/10.4
10.00	45	50300	34000	59827	2820	17.8	4642	39800	28600	3280	3.6	7294	5.3/15.8
5.00	50	47500	32500	58424	3300	14.8	5200	36500	25920	3100	3.4	6900	1.6/5.2
8.00	50	48300	33100	58776	3010	16.1	4900	40000	28840	3270	3.6	7400	3.2/10.1
10.00	50	49200	33600	59237	2940	16.7	4844	43000	31390	3400	3.7	7602	5.2/16.6
5.00	60	45500	31500	57175	3420	13.3	5700	42800	31530	3360	3.7	7500	1.5/4.6
8.00	60	46800	32200	58000	3280	14.3	5300	46000	33980	3520	3.8	8000	3.0/9.7
10.00	60	48000	32900	58850	3180	15.1	5248	49200	36700	3660	3.9	8218	5.1/16.1
5.00	70	43500	30600	55960	3650	11.9	6200	48500	36141	3620	3.9	8100	1.3/3.0
8.00	70	45000	31300	57220	3580	12.6	5800	51900	38926	3800	4.0	8800	2.9/6.7
10.00	70	46000	32000	57640	3410	13.5	5752	55500	41514	3950	4.1	9040	4.9/11.3
5.00	80	41500	29600	54810	3900	10.6	6900	54500	41185	3900	4.1	8900	1.2/3.7
8.00	80	43400	30400	56240	3760	11.5	6400	57800	43970	4050	4.2	9600	2.8/8.8
10.00	80	44600	30800	57100	3660	12.2	6358	61600	47360	4170	4.3	9862	4.8/15.2
5.00	90	39300	28400	53330	4140	9.5	7900						1.1/3.4
8.00	90	41200	29300	54850	4000	10.3	7200						2.6/8.3
10.00	90	42800	29800	56114	3900	10.9	7165						4.5/14.7
5.00	100	36500	27000	51450	4380	8.3	9300						0.9/2.8
8.00	100	39000	27900	53400	4220	9.2	8500						2.5/7.8
10.00	100	40400	28500	54430	4110	9.8	8477						4.5/14.2
5.00	105	34500	26000	49860	4500	7.7	9950						0.8/2.6
8.00	105	37300	27000	52185	4360	8.6	9100						2.4/7.7
10.00	105	39000	27650	53500	4250	9.2	9082						4.4/14.1
5.00	110	32500	25100	48300	4600	7.1	10600						0.8/2.4
8.00	110	35600	26100	50894	4480	7.9	9700						2.3/7.4
10.00	110	37600	26800	52550	4380	8.6	9680						4.3/13.8

Interpolation is permissible. Extrapolation is not.

Performance data: Antifreeze solution used for 35°F and below EWT is 15% by weight solution of sodium chloride. (No Pumping Penalty Included).

Correction Factors

For Variations In Entering Air Temperature

Cooling Corrections								Heating Corrections			
Entering Air °F DB	Total Cooling Capacity	Sensible Cooling Capacity Entering Dry Bulb (°F)					Heat of Rejection	Entering Air °F DB	Total Heating Capacity	Heat of Absorption	Power Input Watts
		70° DB	75° DB	80° DB	85° DB	90° DB					
63	0.910	0.763	1.030	*	*	*	0.895	60	1.025	1.047	0.965
64	0.935	0.815	0.881	1.148	*	*	0.948	65	1.010	1.023	0.990
67	1.000	0.466	0.733	1.000	1.267	*	1.000	70	0.995	1.000	1.000
70	1.045		0.585	0.852	1.118	*	1.055	75	0.980	0.977	1.040
73	1.090		0.436	0.703	0.970	1.397	1.109	80	0.965	0.953	1.065

For Variations In Entering Air Flow

Cooling Corrections						Heating Corrections			
CFM	Total Cooling Capacity	Sensible Cooling Capacity	Heat of Rejection	Power Input Watts		Total Heating Capacity	Heat of Absorption	Power Input Watts	
1250	0.977	0.973	0.977	0.948		0.977	0.980	1.027	
1375	0.988	0.987	0.993	0.974		0.988	0.990	1.013	
1500	1.000	1.000	1.000	1.000		1.000	1.000	1.000	
1540	1.004	1.004	1.015	1.008		1.004	1.003	0.996	
1640	1.007	1.009	1.023	1.017		1.007	1.006	0.991	

Performance Data

E-Series

All Models 048

Nominal CFM 1800

Water temperature range (25°F - 110°F)

Shaded area - Operation Not Recommended

Contractor: _____ P.O.: _____

Engineer: _____

Project Name: _____ Unit Tag: _____

		Cooling Performance (EAT 88° / 67°F)						Heating Performance (EAT 70°F)				UNIT WATER PRESSURE DROP PSI/FT	
GPM	EWT°F	TOTAL BTUH	SENSIBLE BTUH	HEAT OF REJECTION BTUH	POWER INPUT WATTS	EER	HWG TOTAL BTUH	TOTAL BTUH	HEAT OF ABSORPTION BTUH	POWER INPUT WATTS	COP	HWG TOTAL BTUH	
5.00	25							31000	20140	3180	2.8	4570	1.84/0
8.00	25							32500	21570	3200	3.0	4700	3.5/8.1
11.00	25							34500	23250	3300	3.1	5200	5.2/12.0
5.00	30							35000	23120	3480	2.9	5010	1.7/9.9
8.00	30							36000	24000	3500	3.0	5200	3.4/7.8
11.00	30							37000	24800	3550	3.1	5600	5.2/11.8
5.00	35							37400	25200	3570	3.1	5880	1.6/8.8
8.00	35							38800	26540	3590	3.2	6000	3.3/7.6
11.00	35							40200	27880	3610	3.4	6400	5.1/11.7
5.00	40	60400	40200	74100	4000	15.1	5000	42500	29450	3850	3.2	6100	1.4/5.3
8.00	40	62500	41000	75300	3800	16.4	4500	44500	31200	3880	3.4	6250	3.1/7.1
11.00	40	63200	41600	75800	3700	17.1	4100	46000	32690	3900	3.5	6650	4.8/10.0
5.00	45	59200	39800	73200	4100	14.4	5500	43200	32500	4000	3.2	6330	1.4/3.2
8.00	45	61200	40600	74500	3900	15.7	4600	47100	33200	4100	3.4	6500	3.0/6.9
11.00	45	62000	41200	74900	3800	16.3	4300	48400	34600	4110	3.5	6900	4.8/10.9
5.00	50	58000	39400	72300	4200	13.8	5900	46100	35000	4100	3.3	6770	1.4/3.1
8.00	50	60000	40100	73700	4000	15.0	5100	50000	35700	4200	3.5	6900	3.0/6.9
11.00	50	61000	40800	74300	3900	15.6	5000	51300	37700	4215	3.6	7400	4.7/10.7
5.00	60	55400	38600	70100	4300	12.9	6800	52200	40200	4400	3.5	7570	1.3/3.0
8.00	60	57600	39500	71600	4100	14.0	6000	56000	40900	4410	3.7	7700	2.9/6.7
11.00	60	58400	40000	72100	4000	14.6	5900	57100	42100	4425	3.8	8100	4.6/10.6
5.00	70	53000	37800	66500	4400	12.0	7700	58200	45200	4600	3.7	8390	1.3/2.8
8.00	70	55000	38400	68500	4300	12.8	6900	62000	46100	4700	3.9	8500	2.8/6.4
11.00	70	56000	39400	69600	4100	13.6	6800	63100	47300	4717	4.0	8900	4.5/10.3
5.00	80	50400	36900	68000	4700	10.7	8600	64200	50700	4800	3.9	9200	1.3/2.6
8.00	80	52800	37400	68500	4600	11.5	7800	68000	51400	4900	4.1	9300	2.7/6.1
11.00	80	54800	38600	69600	4400	12.4	7700	69300	52600	4910	4.2	9700	4.4/10.1
5.00	90	47600	35800	65400	5200	9.2	9500						1.0/2.2
8.00	90	50000	36500	67100	5000	10.0	8700						2.6/6.0
11.00	90	52000	37400	68400	4800	10.8	8600						4.4/10.0
5.00	100	44400	33600	63900	5700	7.8	10400						0.9/2.1
8.00	100	47000	35200	65800	5500	8.5	9600						2.5/5.8
11.00	100	48000	36200	66400	5400	8.8	9500						4.3/9.8
5.00	105	41800	33200	61800	6000	7.0	10850						0.9/2.1
8.00	105	44700	34500	64900	5800	7.8	10050						2.5/5.6
11.00	105	46000	35350	65450	5700	8.1	9950						4.2/9.7
5.00	110	39300	32800	58700	6300	6.2	11300						0.8/2.0
8.00	110	42400	33800	62200	6100	7.0	10500						2.4/5.6
11.00	110	44000	34500	64500	6000	7.5	10400						4.2/9.6

Interpolation is permissible. Extrapolation is not.

Performance data: Antifreeze solution used for 35°F and below EWT is 15% by weight solution of sodium chloride. (No Pumping Penalty Included).

Correction Factors

For Variations In Entering Air Temperature

Cooling Corrections							* Sensible equals Total	Heating Corrections			
Entering Air °F WB	Total Cooling Capacity	Sensible Cooling Capacity Entering Dry Bulb (°F)					Heat of Rejection	Entering Air °F DB	Total Heating Capacity	Heat of Absorption	Power Input Watts
		70° DB	75° DB	80° DB	85° DB	90° DB					
61	0.910	0.763	1.050	*	*	*	0.895	60	1.025	1.047	0.965
64	0.955	0.615	0.881	1.148	*	*	0.948	65	1.010	1.023	0.990
67	1.000	0.466	0.735	1.000	1.267	*	1.000	70	0.995	1.000	1.000
70	1.045		0.585	0.852	1.118	*	1.055	75	0.980	0.977	1.040
73	1.090		0.436	0.703	0.970	1.397	1.109	80	0.965	0.955	1.065

For Variations In Entering Air Flow

Cooling Corrections					Heating Corrections		
CFM	Total Cooling Capacity	Sensible Cooling Capacity	Heat of Rejection	Power Input Watts	Total Heating Capacity	Heat of Absorption	Power Input Watts
1550	0.988	0.986	0.992	0.973	0.988	0.989	1.014
1625	0.994	0.993	1.001	0.986	0.994	0.995	1.007
1800	1.000	1.000	1.010	1.000	1.000	1.000	1.000
1915	1.018	1.020	1.035	1.039	1.018	1.015	0.980
2030	1.035	1.040	1.061	1.078	1.035	1.030	0.960

ClimateMaster

Submittal Data

Performance Data E-Series All Models 060

Contractor: _____ P.O.: _____
Engineer: _____
Project Name: _____ Unit Tag: _____

Nominal CFM 2000

Water temperature range (25°F - 110°F)

Shaded area - Operation Not Recommended

GPM	EWT°F	Cooling Performance (EAT 80°/67°F)					Heating Performance (EAT 70°F)					UNIT WATER PRESSURE DROP PSI/FT
		TOTAL BTUH	SENSIBLE BTUH	HEAT OF REJECTION BTUH	POWER INPUT WATTS	EER	TOTAL BTUH	HEAT OF ABSORPTION BTUH	POWER INPUT WATTS	COP	TOTAL BTUH	
8.00	25						35100	22915	3569	2.9	5500	4.2/9.6
12.00	25						39000	25550	3939	2.9	5600	6.9/15.9
16.00	25						41500	27714	4038	3.0	5700	11.0/25.5
8.00	30						39900	26020	3890	3.0	6200	4.1/9.4
12.00	30						42600	28400	4160	3.0	6000	6.8/15.6
16.00	30						45800	31030	4327	3.1	6100	10.9/25.0
8.00	35						43300	29060	4172	3.0	3140	4.0/9.2
12.00	35						46800	31650	4436	3.1	4300	6.6/15.2
16.00	35						50000	34330	4590	3.2	4500	10.8/24.8
8.00	40	68200	45600	83392	4450	15.3	48450	33500	4300	3.2	6600	3.5/8.1
12.00	40	69800	46500	84890	4421	15.8	51000	35500	4556	3.2	6700	6.1/14.0
16.00	40	71000	46800	86020	4400	16.1	55200	38900	4750	3.4	6850	10.2/23.5
8.00	45	67600	45500	82430	4520	14.8	52600	36800	4600	3.3	6900	3.4/7.8
12.00	45	69000	46400	84360	4500	15.3	54900	38300	4700	3.4	7100	6.0/13.8
16.00	45	69900	46900	85100	4480	15.6	59500	42400	5000	3.5	7250	10.1/23.0
8.00	50	66000	45400	81970	4680	14.1	56800	40200	4900	3.4	7300	3.3/7.5
12.00	50	68000	46300	83860	4647	14.6	61000	43500	5120	3.5	7450	5.9/13.6
16.00	50	68800	47000	84500	4630	14.9	65700	45900	5200	3.6	7700	10.0/23.0
8.00	60	63800	45300	80850	4990	12.8	65100	47100	5300	3.6	8000	3.0/6.9
12.00	60	65800	46100	82760	4969	13.2	67800	49200	5400	3.6	8200	5.7/13.1
16.00	60	66500	46500	83340	4932	13.5	72000	52800	5600	3.8	8400	9.8/22.5
8.00	70	61500	45000	79755	5347	11.5	73500	54700	5700	3.8	8750	2.8/6.4
12.00	70	63000	45900	81250	5340	11.8	77000	57800	5920	3.8	9000	5.5/12.7
16.00	70	64300	46300	82390	5300	12.1	80100	59700	6000	3.9	9500	9.6/22.0
8.00	80	59000	44500	78370	5753	10.3	81500	61000	6000	4.0	9500	2.6/6.4
12.00	80	60800	45900	80380	5735	10.6	83000	63700	6100	4.3	9750	5.2/12.0
16.00	80	61700	46300	81230	5720	10.8	88600	67000	6300	4.5	10000	9.3/21.4
8.00	90	56000	43500	77160	6200	9.0						2.3/5.3
12.00	90	57900	44400	78890	6178	9.4						5.0/11.5
16.00	90	58800	45100	79600	6150	9.6						9.1/21.0
8.00	100	52400	41800	74450	6660	8.1						2.1/4.8
12.00	100	54400	42800	76400	6645	8.4						4.8/11.0
16.00	100	55400	43900	77280	6610	8.6						8.9/20.5
8.00	105	50000	40500	71500	6350	7.9						2.0/4.6
12.00	105	52000	41500	73600	6329	8.2						4.7/10.8
16.00	105	53400	42800	75450	6300	8.3						8.7/20.0
8.00	110	47000	38700	68220	6350	7.6						1.9/4.4
12.00	110	49400	40000	70860	6315	7.8						4.6/10.6
16.00	110	50800	41500	72920	6290	7.8						8.6/19.8

Interpolation is permissible. Extrapolation is not.

Performance data: Antifreeze solution used for 35°F and below EWT is 15% by weight solution of sodium chloride. (No Pumping Penalty Included).

Correction Factors

For Variations In Entering Air Temperature

Cooling Corrections						Heating Corrections			
Entering Air °F DB	Total Cooling Capacity	Sensible Cooling Capacity Entering Dry Bulb (°F)					Entering Air °F DB	Total Heating Capacity	Heat of Absorption
		70°F DB	75°F DB	80°F DB	85°F DB	90°F DB			
61	0.918	0.763	1.030	1.297	1.564	*	50	1.025	1.047
64	0.955	0.815	0.881	1.148	1.415	*	55	1.050	1.023
67	1.000	0.866	0.733	1.000	1.257	1.694	60	1.075	1.000
70	1.045	-	0.585	0.852	1.118	1.546	65	1.100	0.977
73	1.090	-	0.436	0.703	0.970	1.297	70	1.125	0.953

For Variations In Entering Air Flow

Cooling Corrections					Heating Corrections		
CFM	Total Cooling Capacity	Sensible Cooling Capacity	Heat of Rejection	Power Input Watts	Total Heating Capacity	Heat of Absorption	Power Input Watts
1700	0.979	0.975	0.980	0.954	0.979	0.982	1.024
1850	0.990	0.988	0.995	0.977	0.990	0.991	1.012
2000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2065	1.005	1.005	1.017	1.010	1.005	1.004	0.995
2130	1.009	1.010	1.025	1.020	1.009	1.008	0.990

Performance Data E-Series HE Horizontal 072

Nominal CFM 2900

Contractor: _____

P.O.: _____

Engineer: _____

Project Name: _____

Unit Tag: _____

Water temperature range (25°F - 110°F)

Shaded area - Operation Not Recommended

		Cooling Performance (EAT 89° / 67°F)					Heating Performance (EAT 70°F)					UNIT WATER PRESSURE DROP PSI/FT	
GPM	EWTF	TOTAL BTUH	SENSIBLE BTUH	HEAT OF REJECTION BTUH	POWER INPUT WATTS	EEER	HWG TOTAL BTUH	TOTAL BTUH	HEAT OF ABSORPTION BTUH	POWER INPUT WATTS	COP		HWG TOTAL BTUH
12.00	25							43400	25900	5120	2.5	4400	2.5/5.8
16.00	25							44900	26700	5320	2.5	4800	3.0/6.8
20.00	25							47600	29100	5420	2.6	5200	4.1/9.4
12.00	30							47400	29200	5320	2.6	4600	2.0/4.6
16.00	30							48700	29900	5510	2.6	5000	2.9/6.7
20.00	30							51200	32300	5540	2.7	5400	4.0/9.3
12.00	35							51400	31600	5515	2.7	5000	2.0/4.6
16.00	35							52500	33000	5710	2.7	5400	2.9/6.7
20.00	35							57000	37500	5740	2.9	5800	3.9/9.0
12.00	40	86300	57200	103700	5160	16.7	4700	56100	36200	5810	2.8	5400	1.7/3.9
16.00	40	87800	57400	105200	5100	17.2	4800	59700	39500	5910	3.0	5800	2.6/6.1
20.00	40	90000	57500	107300	5060	17.8	4300	63100	42800	5940	3.1	6200	3.7/8.6
12.00	45	83400	56200	101200	5210	16.0	5200	63400	42600	6100	3.1	5800	1.7/3.8
16.00	45	85300	56600	102900	5160	16.5	4800	64600	43700	6150	3.1	6200	2.6/6.0
20.00	45	87400	57200	104800	5100	17.1	4600	67000	46000	6140	3.2	6600	3.6/8.3
12.00	50	80200	55200	98200	5330	15.0	5500	65000	44200	6100	3.1	6200	1.6/3.7
16.00	50	82700	55700	100400	5190	15.9	5100	68100	47600	6300	3.2	6600	2.6/5.9
20.00	50	84700	56200	102300	5160	16.4	4900	71100	49500	6330	3.3	7000	3.6/8.4
12.00	60	75600	52800	93900	5350	14.1	5100	73300	33200	6480	3.4	6900	1.6/3.6
16.00	60	77500	53400	95700	5330	14.5	5800	76700	34500	6500	3.5	7300	2.5/5.7
20.00	60	79400	53800	97300	5250	15.1	5500	79300	37000	6520	3.6	7700	3.5/8.2
12.00	70	72800	51120	91500	5720	12.6	6700	86000	63400	6620	3.8	7700	1.5/3.3
16.00	70	72800	51200	91600	5460	13.4	6200	87500	64600	6700	3.8	8100	2.4/5.5
20.00	70	74100	52300	93400	5350	13.9	6100	88000	65000	6740	3.9	8500	3.5/8.1
12.00	80	65200	47600	84700	5730	11.4	7300	91600	68100	6880	3.9	8400	1.4/3.2
16.00	80	66900	47600	86200	5650	11.8	7000	92500	68700	6900	3.9	8800	2.4/5.4
20.00	80	68300	48300	87700	5540	12.4	6700	95600	71400	7090	4.0	9300	3.4/7.9
12.00	90	59700	43600	80100	5920	10.0	7900						1.3/3.0
16.00	90	61800	44600	81800	5860	10.5	7600						2.3/5.2
20.00	90	63500	45100	83000	5690	11.2	7300						3.4/7.7
12.00	100	54300	40400	75800	6300	8.6	8500						3.2/7.4
16.00	100	56200	41200	76900	6070	9.3	8200						2.2/5.0
20.00	100	58200	41900	78300	5900	9.9	7900						3.3/7.6
12.00	105	51800	38700	74300	6590	7.9	8800						3.2/7.4
16.00	105	53600	39500	74900	6240	8.6	8500						2.2/5.0
20.00	105	54600	40300	77200	6040	9.0	8200						3.2/7.4
12.00	110	49200	37000	72700	6780	7.2	9100						3.2/7.4
16.00	110	50900	37800	72800	6400	8.0	8800						2.1/4.9
20.00	110	52800	38700	75800	6170	8.6	8500						3.2/7.4

Interpolation is permissible. Extrapolation is not.

Performance data: Antifreeze solution used for 35°F and below EWT is 15% by weight solution of sodium chloride. (No Pumping Penalty Included).

Correction Factors

For Variations In Entering Air Temperature

Cooling Corrections		* Sensible equals Total						Heating Corrections			
Entering Air °F WB	Total Cooling Capacity	Sensible Cooling Capacity Entering Dry Bulb (°F)					Heat of Rejection	Entering Air °F DB	Total Heating Capacity	Heat of Absorption	Power Input Watts
		70° DB	75° DB	80° DB	85° DB	90° DB					
61	0.910	0.763	1.000	*	*	*	0.895	60	1.025	1.047	0.965
64	0.955	0.815	0.881	1.148	*	*	0.948	65	1.010	1.023	0.990
67	1.000	0.866	0.733	1.000	1.267	*	1.000	70	0.995	1.000	1.000
70	1.045	-	0.585	0.852	1.118	*	1.055	75	0.980	0.977	1.040
73	1.090	-	0.436	0.703	0.970	1.397	1.109	80	0.965	0.953	1.065

For Variations In Entering Air Flow

Cooling Corrections					Heating Corrections		
CFM	Total Cooling Capacity	Sensible Cooling Capacity	Heat of Rejection	Power Input Watts	Total Heating Capacity	Heat of Absorption	Power Input Watts
2500	0.963	0.955	0.954	0.913	0.961	0.966	1.045
2500	0.980	0.978	0.982	0.957	0.980	0.983	1.022
2700	0.990	0.989	0.996	0.978	0.990	0.992	1.011
2900	1.000	1.000	1.000	1.000	1.000	1.000	1.000
3100	1.014	1.016	1.030	1.031	1.014	1.012	0.984
3400	1.028	1.032	1.050	1.062	1.028	1.024	0.968

Performance Data E-Series HE Horizontal 096

Contractor: _____ P.O.: _____
Engineer: _____
Project Name: _____ Unit Tag: _____

Nominal CFM 3600

Water temperature range (25°F - 110°F)

Shaded area - Operation Not Recommended

		Cooling Performance (EAT 80° / 67°F)					Heating Performance (EAT 70°F)					UNIT WATER PRESSURE DROP PSI/FT	
GPM	EWT°F	TOTAL BTUH	SENSIBLE BTUH	HEAT OF REJECTION BTUH	POWER INPUT WATTS	EER	HWG TOTAL BTUH	TOTAL BTUH	HEAT OF ABSORPTION BTUH	POWER INPUT WATTS	COP		HWG TOTAL BTUH
10.00	25							59700	36600	6740	2.6	4570	1.8/4.0
16.00	25							62600	39400	6780	2.7	4700	3.5/8.1
22.00	25							66400	42500	6990	2.8	5200	5.2/12.0
10.00	30							67400	42200	7380	2.7	5050	1.7/3.9
16.00	30							69300	43400	7590	2.7	5200	3.4/7.8
22.00	30							71200	45500	7550	2.8	5600	5.2/11.3
10.00	35							72000	46200	7570	2.8	5880	1.6/3.8
16.00	35							74700	48700	7610	2.9	6000	3.3/7.6
22.00	35							77400	51300	7650	3.0	6400	5.1/11.7
10.00	40	124700	76400	140900	7660	14.9	5000	82000	54100	8160	2.9	6105	1.4/3.3
16.00	40	118700	77900	143400	7230	16.3	4500	85700	57800	8230	3.0	6250	3.3/7.1
22.00	40	120000	79000	144000	7000	17.1	4100	88500	60300	8270	3.1	6630	4.3/11.0
10.00	45	112500	75600	139400	7890	14.3	5500	83200	54200	8480	2.8	6330	1.4/3.2
16.00	45	116500	77100	141700	7450	15.6	4800	90700	61000	8690	3.0	6500	3.0/6.9
22.00	45	117800	78300	142500	7230	16.3	4500	93200	63400	8710	3.1	6900	4.3/10.9
10.00	50	110200	74900	137900	8100	13.6	5900	88700	59100	8690	3.0	6770	1.4/3.1
16.00	50	115000	76860	140200	7670	14.9	5100	96000	65900	8900	3.2	6900	3.0/6.9
22.00	50	116000	77500	141300	7450	15.6	5000	98100	68200	8940	3.2	7400	4.7/10.7
10.00	60	106900	73300	133700	8330	12.6	6800	100500	68600	9350	3.2	7570	1.3/3.0
16.00	60	109400	74500	136400	7890	13.9	6000	107800	75900	9350	3.4	7700	2.9/6.7
22.00	60	111000	76000	137100	7670	14.5	5900	109900	77900	9380	3.4	8100	4.6/10.6
10.00	70	100700	71800	129900	8550	11.9	7700	112000	78700	9750	3.4	8390	1.2/2.8
16.00	70	105000	73500	132900	8230	12.6	6900	120000	87300	9960	3.5	8500	2.8/6.4
22.00	70	106400	74800	133300	7890	13.5	6800	121500	87300	10000	3.6	8900	4.5/10.3
10.00	80	95800	70100	127200	9200	10.4	8600	123600	88300	10170	3.6	9200	1.2/2.6
16.00	80	102300	71000	131000	8990	11.2	7800	130600	95400	10390	3.7	9300	2.7/6.2
22.00	80	103700	73300	132900	8550	12.1	7700	132800	97300	10400	3.7	9700	4.4/10.1
10.00	90	90400	68000	125600	10300	8.8	9500						1.0/2.2
16.00	90	95000	69300	128700	9900	9.6	8700						2.6/5.0
22.00	90	98800	71000	131000	9400	10.5	8600						4.4/10.0
10.00	100	84400	63800	123300	11400	7.4	10400						0.9/2.1
16.00	100	89300	66900	126700	11000	8.1	9600						2.5/5.3
22.00	100	91200	68800	127900	10700	8.5	9500						4.3/9.8
10.00	105	79400	63000	120600	12180	6.6	10850						0.9/2.1
16.00	105	84900	65500	124500	11680	7.3	10050						2.5/5.6
22.00	105	87400	67200	126500	11460	7.7	9550						4.2/9.7
10.00	110	74500	62300	117900	12700	5.9	11300						0.8/2.0
16.00	110	80600	64200	122500	12300	6.8	10500						2.4/5.4
22.00	110	83600	65900	124800	12100	7.0	10400						4.2/9.6

Interpolation is permissible. Extrapolation is not.

Performance data: Antifreeze solution used for 35°F and below EWT is 15% by weight solution of sodium chloride. (No Pumping Penalty Included).

Correction Factors

For Variations In Entering Air Temperature

Cooling Corrections		* Sensible equals Total					Heating Corrections			
Entering Air °F WB	Total Cooling Capacity	Sensible Cooling Capacity Entering Dry Bulb (°F)					Entering Air °F DB	Total Heating Capacity	Heat of Absorption	Power Input Watts
		70° DB	75° DB	80° DB	85° DB	90° DB				
61	0.910	0.763	1.030	*	*	*	60	1.025	1.047	0.963
64	0.955	0.813	0.881	1.148	*	*	65	1.010	1.023	0.990
67	1.000	0.866	0.753	1.000	1.267	*	70	0.995	1.000	1.000
70	1.045	-	0.885	0.852	1.118	*	75	0.980	0.977	1.040
73	1.090	-	0.836	0.705	0.979	1.397	80	0.965	0.953	1.065

For Variations In Entering Air Flow

Cooling Corrections		Heating Corrections			
CFM	Total Cooling Capacity	Sensible Cooling Capacity	Heat of Rejection	Power Input Watts	Total Heating Capacity
2800	0.975	0.972	0.915	0.945	0.975
3000	0.968	0.985	0.992	0.973	0.983
3200	0.964	0.993	1.001	0.986	0.994
3600	1.000	1.000	1.000	1.000	1.000
4000	1.018	1.020	1.035	1.039	1.013
4400	1.055	1.040	1.061	1.078	1.053

Performance Data

E-Series

HE Horizontal 120

Nominal CFM 4100

Water temperature range (25°F - 110°F)

Shaded area - Operation Not Recommended

Contractor: _____ P.O.: _____

Engineer: _____

Project Name: _____ Unit Tag: _____

GPM	EWT°F	Cooling Performance (EAT 88° / 67°F)						Heating Performance (EAT 70°F)					UNIT WATER PRESSURE DROP PSI/FT
		TOTAL BTUH	SENSIBLE BTUH	HEAT OF REJECTION BTUH	POWER INPUT WATTS	EER	HWG TOTAL BTUH	TOTAL BTUH	HEAT OF ABSORPTION BTUH	POWER INPUT WATTS	COP	HWG TOTAL BTUH	
16.00	25							67600	45600	7100	2.8	2980	4.29.6
24.00	25							75100	48300	7840	2.5	3000	6.9/15.9
32.00	25							80000	52600	8085	2.9	3110	11.0/25.3
16.00	30							75700	49200	7740	2.9	3060	4.1/9.4
24.00	30							82100	55800	8280	2.9	3100	6.8/15.6
32.00	30							88300	58900	8610	3.0	3200	10.9/25.0
16.00	35							83400	55000	8300	2.9	3140	4.0/9.2
24.00	35							90200	60000	8830	3.0	3190	6.6/15.2
32.00	35							96400	65200	9135	3.1	3280	10.8/24.8
16.00	40	128200	86200	157100	8450	15.2	5200	93400	64200	8560	3.2	4850	3.5/8.1
24.00	40	131200	87900	159600	8400	15.6	4800	98300	67400	9055	3.2	5800	6.1/14.0
32.00	40	133500	88500	162000	8360	15.9	4600	106400	74100	9450	3.3	6900	10.2/23.5
16.00	45	125900	86000	155200	8590	14.7	5400	101400	70100	9150	3.2	5200	3.4/7.8
24.00	45	129700	87700	158900	8550	15.2	5300	104400	72500	9350	3.3	6200	6.0/13.8
32.00	45	131300	88600	160300	8510	15.4	5000	114700	80700	9950	3.4	6800	10.1/23.0
16.00	50	124100	85800	154400	8890	14.0	6200	109500	76500	9780	3.3	5900	3.3/7.5
24.00	50	127000	87500	158000	8830	14.5	5600	116000	81200	10190	3.4	6800	5.8/13.6
32.00	50	129300	88400	159600	8850	14.6	5200	122700	87365	10350	3.5	7200	10.0/23.0
16.00	60	120000	85600	152300	9480	12.7	7400	125400	89400	10550	3.5	6800	3.0/6.9
24.00	60	123700	87100	155900	9440	13.1	6900	130700	94000	10750	3.6	7600	5.7/13.1
32.00	60	125000	87900	157000	9370	13.3	6400	138700	100600	11150	3.6	8200	9.8/22.5
16.00	70	115600	85000	150300	10160	11.4	8500	141600	102900	11250	3.7	7800	2.8/6.4
24.00	70	120000	86800	153100	10150	11.7	8100	150000	109800	11780	3.8	8600	5.5/12.7
32.00	70	122600	87500	155300	10070	12.0	7300	154400	113600	11950	3.8	9000	9.6/22.0
16.00	80	113000	84100	147700	10780	10.3	9800	157200	116400	11950	3.9	8700	2.6/6.4
24.00	80	114000	85500	151500	10900	10.5	9200	159600	118500	12140	3.9	9600	5.2/12.0
32.00	80	116000	87500	153100	10870	10.7	8700	170700	127900	12540	4.0	10000	9.3/21.4
16.00	90	106300	82200	145500	11780	8.9	11000						2.3/5.3
24.00	90	108700	83900	148700	11740	9.3	10300						5.0/11.5
32.00	90	110600	85200	150400	11690	9.4	10100						9.1/20.9
16.00	100	98500	79000	140400	12270	8.0	12200						2.1/4.8
24.00	100	102300	80900	144000	12250	8.4	11600						4.8/11.0
32.00	100	104100	82800	145700	12150	8.6	11300						8.9/20.5
16.00	105	94000	76500	135200	12070	7.8	12700						2.0/4.6
24.00	105	97800	78400	138800	12050	8.1	12200						4.7/10.8
32.00	105	100400	80900	142500	11970	8.4	11900						8.7/20.0
16.00	110	88400	73100	129500	12070	7.3	13600						1.9/4.4
24.00	110	92800	75600	133800	12000	7.7	12800						4.6/10.6
32.00	110	95500	78400	136300	11950	8.0	12500						8.4/19.8

Interpolation is permissible. Extrapolation is not.

Performance data: Antifreeze solution used for 35°F and below EWT is 15% by weight solution of sodium chloride. (No Pumping Penalty Included).

Correction Factors

For Variations In Entering Air Temperature

Cooling Corrections		* Sensible equals Total					Heating Corrections				
Entering Air °F DB	Total Cooling Capacity	Sensible Cooling Capacity Entering Dry Bulb (°F)					Heat of Rejection	Entering Air °F DB	Total Heating Capacity	Heat of Absorption	Power Input Watts
		70° DB	75° DB	80° DB	85° DB	90° DB					
61	0.910	0.763	1.050	1.297	1.564	*	0.935	60	1.025	1.047	0.965
64	0.955	0.615	0.881	1.148	1.415	*	0.948	65	1.310	1.023	0.990
67	1.000	0.466	0.733	1.000	1.267	1.694		70	0.995	1.000	1.000
70	1.045	-	0.585	0.852	1.118	1.546		75	0.980	0.977	1.040
73	1.090	-	0.436	0.705	0.970	1.397	1.109	80	0.965	0.953	1.065

For Variations In Entering Air Flow

CFM	Cooling Corrections					Heating Corrections		
	Total Cooling Capacity	Sensible Cooling Capacity	Heat of Rejection	Power Input Watts		Total Heating Capacity	Heat of Absorption	Power Input Watts
3500	0.958	0.962	0.950	0.907		0.958	0.964	1.048
3700	0.979	0.975	0.930	0.954		0.979	0.982	1.034
3900	0.990	0.988	0.905	0.977		0.990	0.991	1.012
4100	1.000	1.000	1.000	1.000		1.000	1.000	1.000
4300	1.005	1.005	1.017	1.010		1.005	1.004	0.995
4500	1.009	1.010	1.023	1.020		1.009	1.008	0.990

ClimateMaster works continually to improve its products. As a result, the design and specifications of each product at the time of order may be changed without notice and may not be as described herein. Please contact ClimateMaster's Customer Service Department at 1-800-745-5000 for specific information on the current design and specifications. Statements and other information contained herein are not express warranties and do not form the basis of any bargain between the parties, but are merely ClimateMaster's opinion or representation of its products.

Electrical Data

Contractor: _____ P.O.: _____
 Engineer: _____
 Project Name: _____ Unit Tag: _____

NOTE: 208/230 Voltage is factory tapped at 208V. Field connection required for 230V.

208/230 Voltage is factory tapped at 208V.

No Pump Circuit included.

Models 006-120 (Commercial Class Product)

Size	Model	Voltage	Phase	Minimum CRS Amperage	Maximum Furn	LRA Comp. (each)	RLA Comp. (each)	Blower FLA	Maximum Pump Amps	Total FLA	Blower Diameter	Blower Width	Blower HP
006	HE/VE Only	208/230	1	1.8	15	15.9	2.8	0.94	-	3.14	5.5	5.0	1/20
		265	1	3.6	15	12.1	2.6	0.94	-	2.94	5.5	5.0	1/20
009	HE/VE Only	208/230	1	5.2	15	20.0	3.5	0.80	-	4.30	5.5	5.0	1/10
		265	1	4.8	15	16.0	3.1	0.90	-	4.00	5.5	5.0	1/10
012	HE/VE Only	208/230	1	6.6	15	31.2	4.6	0.80	-	5.40	6.0	4.0	1/10
		265	1	6.0	15	27.2	4.2	0.90	-	5.10	6.0	4.0	1/10
015	ALL MODELS	208/230	1	8.3	15	29.0	5.4	1.10	-	6.50	6.0	5.0	1/10
		265	1	7.5	15	27.0	4.8	1.00	-	5.80	6.0	5.0	1/10
019	ALL MODELS	208/230	1	11.6	20	49.0	8.3	1.20	-	9.50	9.0	4.0	1/8
		265	1	8.9	15	46.5	7.2	0.9	-	8.10	9.0	4.0	1/8
024	ALL MODELS	208/230	1	12.8	20	56.0	9.0	1.50	-	10.50	9.0	7.0	1/4
		265	1	10.8	15	51.0	7.6	1.30	-	8.90	9.0	7.0	1/4
		208/230	3	7.3	15	58.0	5.8	1.50	-	7.30	9.0	7.0	1/4
		460	3	4.4	15	25.0	2.9	0.80	-	3.70	9.0	7.0	1/4
030	ALL MODELS	208/230	1	16.4	25	71.0	11.1	1.80	-	12.70	9.0	7.0	1/4
		265	1	13.3	20	58.0	9.0	1.40	-	10.40	9.0	7.0	1/4
		208/230	3	10.1	20	50.0	6.6	1.80	-	8.40	9.0	7.0	1/4
		460	3	4.3	15	25.0	3.4	1.00	-	4.40	9.0	7.0	1/4
036	ALL MODELS	208/230	1	21.1	35	78.0	14.5	3.00	-	17.50	9.0	8.0	1/2
		265	1	17.9	30	73.8	12.2	2.60	-	15.40	9.0	8.0	1/2
		208/230	3	14.1	20	59.5	8.9	3.00	-	11.90	9.0	8.0	1/2
		460	3	7.1	15	36.7	4.4	1.60	-	6.00	9.0	8.0	1/2
042	ALL MODELS	208/230	1	25.20	40	88.0	15.80	5.40	-	21.20	10.0	6.0	3/4
		208/230	3	17.50	25	65.4	9.70	5.40	-	15.10	10.0	6.0	3/4
		460	3	8.15	15	32.8	4.76	2.20	-	6.96	10.0	6.0	3/4
048	ALL MODELS	208/230	1	38.5	65	114.0	26.5	5.40	-	31.90	10.0	10.0	3/4
		208/230	3	26.4	40	84.0	16.8	5.40	-	22.20	10.0	10.0	3/4
		460	3	12.4	20	42.0	8.2	2.20	-	10.40	10.0	10.0	3/4
		575	3	7.8	15	33.0	5.4	1.40	-	6.50	10.0	10.0	3/4
060	ALL MODELS	208/230	1	44.2	70	125.0	30.7	5.80	-	36.90	11.0	10.0	1
		208/230	3	26.0	45	90.0	17.9	5.80	-	23.70	11.0	10.0	1
		460	3	13.4	20	45.0	8.6	2.60	-	11.20	11.0	10.0	1
		575	3	10.3	20	43.0	6.4	2.30	-	8.70	11.0	10.0	1
072	HE Only	208/230	1	41.9	60	78.0	15.5	9.00	-	40.00	12.0	11.0	1 1/2
		208/230	3	29.9	40	59.5	10.6	6.10	-	27.30	12.0	11.0	1 1/2
		208/230	3	31.5	40	49.5	10.6	7.20	-	28.40	12.0	11.0	2
		460	3	13.4	15	30.7	4.6	3.00	-	12.20	12.0	11.0	1 1/2
096	HE Only	208/230	1	13.8	15	30.7	4.6	3.40	-	12.20	12.0	11.0	2
		208/230	1	58.6	95	114.0	26.5	9.0	-	62.00	10.0 (2)	10.0 (2)	1 1/2
		208/230	3	43.5	60	84.0	16.8	5.7	-	39.30	10.0 (2)	10.0 (2)	1 1/2
		208/230	3	45.8	60	84.0	16.8	7.5	-	41.70	10.0 (2)	10.0 (2)	2
120	HE Only	460	3	23.1	30	42.0	8.2	2.6	-	19.00	10.0 (2)	10.0 (2)	1 1/2
		460	3	21.9	30	42.0	8.2	3.4	-	19.86	10.0 (2)	10.0 (2)	2
		575	3	16.3	20	36.0	6.4	1.9	-	14.70	10.0 (2)	10.0 (2)	1 1/2
		575	3	16.9	20	36.0	6.4	2.5	-	15.30	10.0 (2)	10.0 (2)	2
120	HE Only	208/230	1	84.1	110	125.0	27.6	22.0	-	77.20	11.0 (2)	10.0 (2)	2
		208/230	3	43.7	60	90.0	16.1	7.5	-	39.70	11.0 (2)	11.0 (2)	2
		208/230	3	44.8	60	90.0	16.1	8.6	-	40.80	11.0 (2)	11.0 (2)	3
		460	3	20.9	25	45.0	7.7	3.6	-	19.00	11.0 (2)	11.0 (2)	2
		460	3	21.6	25	45.0	7.7	4.3	-	19.70	11.0 (2)	11.0 (2)	3
		575	3	16.9	20	43.0	6.4	2.5	-	15.30	11.0 (2)	11.0 (2)	2
		575	3	17.8	20	43.0	6.4	3.4	-	16.20	11.0 (2)	11.0 (2)	3

ClimateMaster works continually to improve its products. As a result, the design and specifications of each product at the time of order may be changed without notice and may not be as described herein. Please contact ClimateMaster's Customer Service Department at 1-800-745-6000 for specific information on the current design and specifications. Statements and other information contained herein are not express warranties and do not form the basis of any bargain between the parties, but are merely ClimateMaster's opinion or recommendation of its products.

Blower Performance

Contractor: _____ P.O.: _____

Engineer: _____

Project Name: _____ Unit Tag: _____

All Models 006 - 060

Based on wet air coil and clean air filter

Do not extrapolate.
* Factory connected tap. Field connection required in other taps.

Size	Fan Speed	0.10	0.20	0.30	0.40	0.50	0.60	0.70	Minimum CFM	Maximum CFM
006	HI	255	260	225	195				165	320
	MED*	240	210	230	245					
	LO	225	200	280						
009	HI	375	335	295	255				235	390
	MED*	330	300	280	245					
	LO	310	285	265	235					
012	HI	435	400	365	335	300			290	435
	MED*	375	350	320	305					
	LO	350	325	295	280					
015	HI	620	585	555	530	505	475		450	620
	MED*	530	500	490	465	450				
	LO	450								
019	HI	730	700	660	610	570			550	730
	MED*	650	620	585	550					
	LO	560								
024	HI	1105	1050	980	900	810	700		650	1150
	MED*	850	800	740	700					
	LO	795	750	695	640					
030	HI	1215	1175	1085	1005	925	830	750	750	1250
	MED*	1150	1080	1005	930	845	780			
	LO	1000	960	910	850	760				
036	HI	1450	1350	1300	1090	940			900	1500
	MED*	1265	1170	1070	960					
	LO	1070	990	900						
042	HI	1640	1580	1500	1420	1340	1250		1250	1580
	MED*	1500	1510	1450	1350	1290				
	LO	1350	1450	1400	1320	1250				
048	HI	1980	1880	1750	1630	1500			1400	2130
	MED*	1960	1800	1750	1600	1480				
	LO	1850	1750	1640	1500					
060	HI	2200	2140	2080	2010	1940	1860		1700	2030
	MED*	2110	2050	2000	1940	1870	1800			
	LO	2060	2000	1940	1880	1820	1760			

Blower Performance

Contractor: _____ P.O.: _____
 Engineer: _____
 Project Name: _____ Unit Tag: _____

Size HE 072

Based on wet air coil and clean air filter.

Maximum CFM 3000 Minimum CFM 1800

Minimum CFM 1600 HE

SCFM Air Flow		CFM External Static Pressure (in. w.g.)														
		0.20	0.25	0.30	0.40	0.50	0.60	0.70	0.80	0.90	1.00	1.10	1.20	1.30	1.40	1.50
1800	BHP	0.27	0.33	0.30	0.34	0.38	0.42	0.45								
	RPM	560	590	610	660	700	740	770								
	Turns Out	5.0	4.5	4.0	3.5	2.5	1.5	0.8								
2000	BHP	0.34	0.36	0.39	0.43	0.47	0.52	0.54	0.59	0.63						
	RPM	600	625	650	690	735	770	810	840	880						
	Turns Out	5.0	4.0	3.5	2.5	2.0	1.5	1.0	0.8	0.5						
2200	BHP	0.44	0.46	0.48	0.53	0.58	0.63	0.68	0.73	0.77	0.82	0.84				
	RPM	640	665	690	730	770	810	850	880	905	945	980				
	Turns Out	3.0	3.5	2.5	2.0	1.5	1.0	0.8	0.5	0.5	0.5	0.5				
2400	BHP	0.55	0.57	0.60	0.65	0.70	0.76	0.82	0.87	0.92	0.96	1.00	1.03	1.06		
	RPM	690	710	730	765	800	840	880	910	940	970	990	1010	1040		
	Turns Out	3.0	2.5	2.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5	0.0				
2600	BHP	0.68	0.71	0.73	0.79	0.84	0.90	0.98	1.03	1.08	1.14	1.18	1.23	1.27	1.32	1.34
	RPM	730	750	770	800	840	875	920	950	980	1000	1030	1050	1075	1105	1120
	Turns Out	2.0	1.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5	0.0				
2800	BHP	0.83	0.86	0.89	0.95	1.00	1.07	1.14	1.21	1.27	1.33	1.37	1.43	1.48	1.54	1.59
	RPM	780	790	810	880	910	950	980	1010	1040	1080	1090	1110	1135	1160	1190
	Turns Out	5.0	4.0	3.5	3.0	2.5	2.0	1.0	0.5	0.0						
3000	BHP	1.01	1.04	1.07	1.13	1.19	1.25	1.34	1.40	1.47	1.54	1.58	1.65	1.71	1.77	1.83
	RPM	820	840	855	890	920	950	990	1020	1050	1080	1090	1120	1150	1170	1190
	Turns Out	3.5	3.0	2.5	2.0	1.5	1.0	0.5	0.0							

Shaded area - Special sheaves required. RPM above range of standard sheaves or motor.
 Bold Face = 2 HP Motor required.

For applications requiring higher static pressures, contact your local representative.

Size HE 096

Based on wet air coil and clean air filter.

Maximum CFM 4200 Minimum CFM 3000 HE

SCFM Air Flow		CFM External Static Pressure (in. w.g.)														
		0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	1.00	1.10	1.20	1.30	1.40	1.50	
3000	BHP	0.80	0.87	0.94	1.06	1.09	1.16	1.23	1.30	1.37	1.45	1.52	1.62	1.69	1.76	
	RPM	980	1023	1064	1105	1144	1183	1220	1256	1292	1327	1362	1405	1439	1473	
	Turns Out	5.0	4.0	3.5	2.5	2.0	1.0	0.5	0.0							
3200	BHP	0.94	1.01	1.08	1.23	1.23	1.30	1.37	1.44	1.51	1.59	1.66	1.77	1.84	1.93	
	RPM	1034	1074	1114	1153	1191	1228	1264	1299	134	1363	1402	1443	1479	1510	
	Turns Out	5.0	4.0	3.5	2.5	2.0	1.0	0.5	0.0							
3400	BHP	1.09	1.16	1.23	1.29	1.36	1.43	1.49	1.56	1.63	1.70	1.77	1.83	1.90	1.97	
	RPM	1094	1133	1172	1209	1246	1282	1317	1351	1386	1419	1452	1484	1516	1548	
	Turns Out	4.0	3.0	2.5	2.0	1.0	0.5	0.0								
3600	BHP	1.27	1.34	1.41	1.55	1.59	1.62	1.69	1.76	1.83	1.91	1.98				
	RPM	1143	1180	1216	1252	1287	1321	1356	1389	1423	1454	1486				
	Turns Out	3.0	2.5	1.5	1.0	0.5	0.0									
3800	BHP	1.45	1.53	1.60	1.75	1.78	1.80	1.87	1.94							
	RPM	1198	1234	1268	1300	1337	1379	1403	1435							
	Turns Out	2.0	1.5	1.0	0.0											
4000	BHP	1.68	1.74	1.81	1.96	1.99										
	RPM	1254	1288	1321	1354	1387										
	Turns Out	1.0	0.5	0.0												
4200	BHP	1.91	1.97													
	RPM	1319	1342													
	Turns Out	0.0														

Shaded area - Special sheaves required. RPM above range of standard sheaves or motor.
 Bold Face = 2 HP Motor required.

02-SM217-9310-0

Blower Performance

Contractor: _____ P.O.: _____
 Engineer: _____
 Project Name: _____ Unit Tag: _____

Size HE 120

Based on wet air coil and clean air filter.

Maximum CFM 4400 Minimum CFM 3200 HE

SCFM Air Flow		CFM External Static Pressure (in. w.g.)													
		0.30	0.36	0.40	0.50	0.60	0.70	0.80	0.90	1.00	1.10	1.20	1.30	1.40	1.50
3200	BHP	0.30	0.36	0.41	0.56	0.71	0.86	1.01	1.16	1.31	1.46	1.61	1.76	1.91	2.06
	RPM	970	1009	1040	1070	1098	1126	1153	1180	1207	1232	1258	1282	1306	1329
	Turns Out	5.0	4.5	4.0	3.5	3.0	2.5	2.0	1.5	1.0	0.5	0.0			
3400	BHP	0.94	0.99	1.05	1.10	1.15	1.20	1.24	1.29	1.35	1.40	1.44	1.48	1.54	1.59
	RPM	1051	1061	1090	1119	1146	1173	1199	1225	1250	1275	1300	1323	1347	1369
	Turns Out	5.0	4.5	4.0	3.5	3.0	2.5	2.0	1.5	1.0	0.5	0.0			
3600	BHP	1.10	1.15	1.20	1.25	1.30	1.35	1.39	1.45	1.50	1.55	1.59	1.64	1.69	1.74
	RPM	1085	1113	1141	1168	1195	1221	1246	1270	1295	1319	1343	1366	1388	1410
	Turns Out	4.0	3.5	3.0	2.5	2.0	1.5	1.0	0.5	0.0					
3800	BHP	1.27	1.32	1.37	1.42	1.47	1.52	1.56	1.61	1.66	1.71	1.75	1.80	1.85	1.90
	RPM	1139	1166	1193	1219	1244	1269	1293	1317	1341	1364	1387	1409	1431	1452
	Turns Out	3.0	2.5	2.0	1.5	1.0	0.5	0.0							
4000	BHP	1.46	1.51	1.56	1.61	1.65	1.70	1.74	1.79	1.84	1.89	1.93	1.97		
	RPM	1193	1219	1245	1270	1294	1318	1341	1364	1387	1410	1432	1453		
	Turns Out	2.0	1.5	1.0	0.5	0.0									
4200	BHP	1.67	1.72	1.76	1.81	1.86	1.90	1.94	1.98						
	RPM	1248	1272	1297	1321	1344	1368	1390	1412						
	Turns Out	1.5	1.0	0.5	0.0										
4400	BHP	1.90	1.94	1.99											
	RPM	1303	1326	1350											
	Turns Out	0.0													

For applications requiring higher static pressures, contact your local representative.

Physical
Characteristics

Contractor: _____ P.O.: _____

Engineer: _____

Project Name: _____ Unit Tag: _____

Models AE-ME 015-060

Size	Model No.	Ship. Wt. Lbs.	Open. Wt. Lbs.	Refrigerant-to-Air Heat Exchanger				Refrig. Charge R-22/CST oz.	No. of Circuits	Hi Volt Knockout In.	Pump Power Knock-Out Inches
				Face Area Sq. Ft.	No. of Rows Rows Deep	Copper Tube Sz. OD in.	No. of Pin Inch				
015	AE	85	75	2.5	3	3/8	13	32*	1	-	-
	ME	95	85	-	-	-	-	-	1	7/8", 1 1/8"	7/8"
019	AE	85	75	2.5	3	3/8	13	36*	1	-	-
	ME	95	85	-	-	-	-	-	1	7/8", 1 1/8"	7/8"
024	AE	126	116	2.5	3	3/8	13	34*	1	-	-
	ME	134	124	-	-	-	-	-	1	7/8", 1 1/8"	7/8"
030	AE	126	116	2.5	3	3/8	13	48*	1	-	-
	ME	134	124	-	-	-	-	-	1	7/8", 1 1/8"	7/8"
036	AE	146	136	3.33	3	3/8	12	48*	1	-	-
	ME	154	144	-	-	-	-	-	1	7/8", 1 1/8"	7/8"
042	AE	146	136	4.17	3	3/8	12	56*	1	-	-
	ME	154	144	-	-	-	-	-	1	7/8", 1 1/8"	7/8"
048	AE	146	136	4.17	3	3/8	14	56*	1	-	-
	ME	211	201	-	-	-	-	-	1	7/8", 1 1/8"	7/8"
060	AE	146	136	4.17	3	3/8	14	74*	1	-	-
	ME	211	201	-	-	-	-	-	1	7/8", 1 1/8"	7/8"

* See Line Set Chart on Page 54

Physical Characteristics

Contractor: _____ P.O.: _____
 Engineer: _____
 Project Name: _____ Unit Tag: _____

Models HE-VE 006-120

Size	Model No.	Ship. Wt. Lbs.	Oper. Wt. Lbs.	Refrigerant-to-Air Heat Exchanger				Refrig. Charge R-22/CKT oz.	No. of Circuits	Hi Volt Kvachest In.	Pump Power Kvachest Inches
				Face Area Sq. Ft.	No. of Rows Rows Deep	Copper Tube Sz. OD in.	No. of Pin Inch				
006	HE/VE	114	108	0.97	2	3/8	13	33	1	7/8, 1-1/8	7/8"
009	HE/VE	118	108	0.97	4	3/8	12	17	1	7/8, 1-1/8	7/8"
012	HE/VE	125	117	0.97	4	3/8	13	18	1	7/8, 1-1/8	7/8"
015	HE/VE	160	150	1.22	3	3/8	12	36	1	7/8, 1-1/8	7/8"
018	HE/VE	184	173	1.22	3	3/8	12	34	1	7/8, 1-1/8	7/8"
024	HE VE	220	200	2.50	3	3/8	13	34	1	7/8, 1-1/8	7/8"
		235	215	2.50	3	3/8	13	34	1	7/8, 1-1/8	7/8"
030	HE VE	228	200	2.50	3	3/8	13	48	1	7/8, 1-1/8	7/8"
		220	200	2.50	3	3/8	13	44	1	7/8, 1-1/8	7/8"
036	HE VE	240	230	3.33	3	3/8	12	49	1	7/8, 1-1/8	7/8"
		240	230	3.33	3	3/8	12	52	1	7/8, 1-1/8	7/8"
042	HE/VE	300	250	4.17	3	3/8	12	56	1	7/8, 1-1/8	7/8"
048	HE/VE	357	347	4.17	3	3/8	14	56	1	7/8, 1-1/8	7/8"
060	HE/VE	357	347	4.17	3	3/8	14	56	1	7/8, 1-1/8	7/8"
072	HE Only	635	615	6.66	3	5/8	14	49	2	1-3/8	1/2"
096	HE Only	665	645	8.34	3	5/8	14	56	2	1-3/8	1/2"
120	HE Only	675	655	8.34	3	5/8	14	74	2	1-3/8	1/2"

Electrical Data

Contractor: _____ P.O.: _____

Engineer: _____

Project Name: _____ Unit Tag: _____

NOTE: 208/230 Voltage is factory tapped at 208V. Field connection required for 230V.

208/230 Voltage is factory tapped at 208V.

No Pump Circuit included.

Models 006-060 (Distributor Class Product)

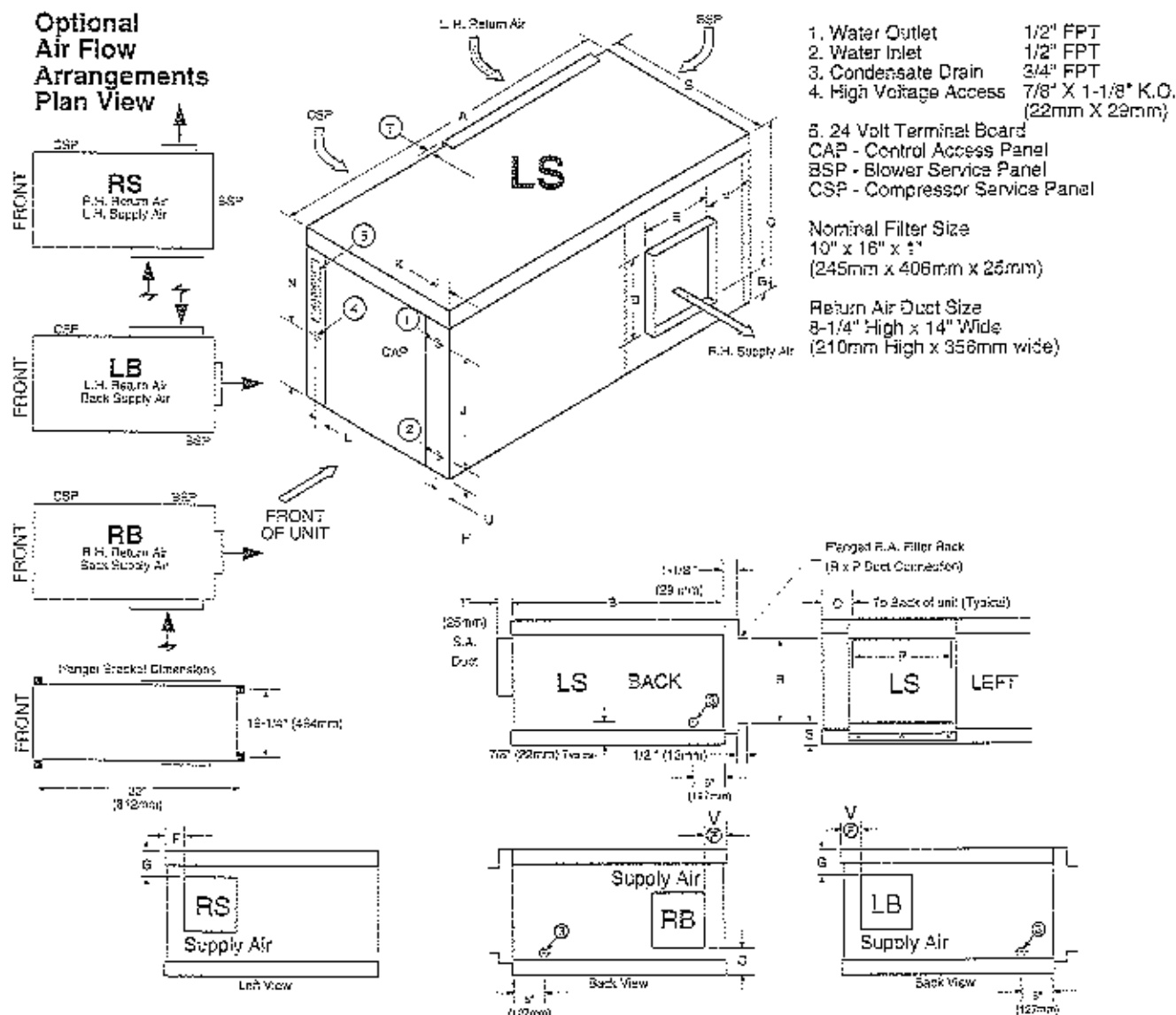
Size	Model	Voltage	Phase	Minimum CRAC Amperage	Maximum Power	LRA Comp. (each)	FLA Comp. (each)	Blower FLA	Maximum Pump Amps	Total FLA	Blower Diameter	Blower Width	Blower HP
006	HE	208/230	1	8.1	15	15.9	2.8	0.34	4	7.2	5.5	5.0	1/20
009	HE/VE	208/230	1	9.3	15	20.0	3.5	0.80	4	8.3	5.5	5.0	1/10
012	HE/VE	208/230	1	10.6	15	31.2	4.6	0.80	4	9.4	6.0	4.0	1/10
015	HE/VE	208/230	1	11.7	15	28.0	5.4	0.92	4	10.3	6.0	5.0	1/10
019	HE/VE	208/230	1	15.6	20	40.0	8.3	1.20	4	13.5	9.0	4.0	1/8
024	HE/VE	208/230	1	16.8	25	56.0	9.0	1.50	4	14.5	9.0	7.0	1/4
030	HE/VE	208/230	1	19.9	30	71.0	12.1	1.60	4	17.1	9.0	7.0	1/4
036	HE/VE	208/230	1	25.1	40	72.0	14.5	3.00	4	21.5	9.0	8.0	1/2
042	HE/VE	208/230	1	29.6	45	88.0	15.8	5.40	4	25.2	10.0	6.0	3/4
048	HE/VE	208/230	1	42.9	70	114.0	26.5	5.40	4	36.3	10.0	10.0	3/4
060	HE/VE	208/230	1	43.2	80	125.0	30.7	5.80	4	46.5	11.0	10.0	1

Dimension Data
HE Package
006/009/012

HE/VE Submittal Data

Contractor: _____	P.O.: _____
Engineer: _____	
Project Name: _____	Unit Tag: _____

Optional Air Flow Arrangements Plan View



Supply Air Duct locations (LS shown on main drawing)

Note: Air flow pattern can be converted in the field by interchanging the blower discharge panel (w/blower assembly attached) with the blower service panel. Only LS to LB and RS to RB can be converted.

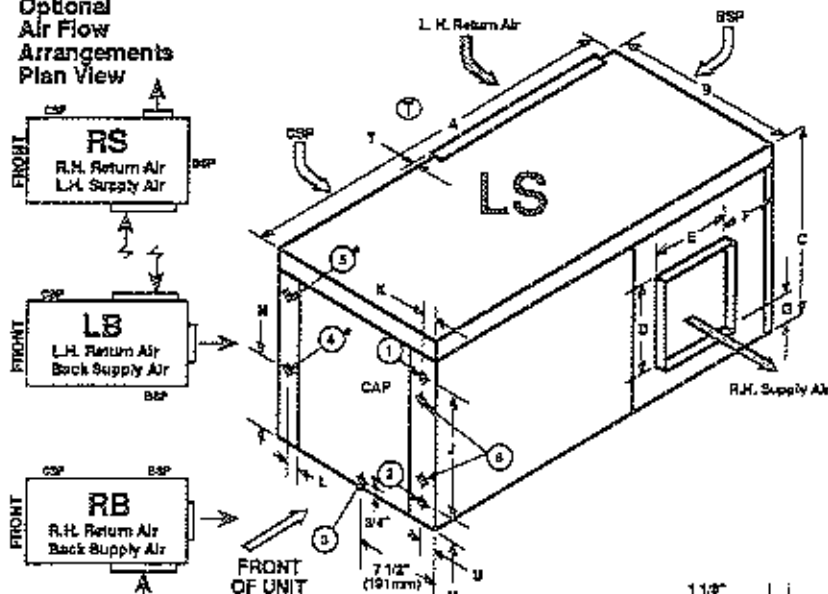
MODEL		A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	R	S	T	U	V
006	INCHES	34	20	11.08	5.204	8	7	4	2.3/8	6.08	1	1	1	4.5/4	2	15	9	1/2	1	1	4.1/2
	MM	854	508	283	146	203	178	120	60	156	25	25	25	121	51	381	229	13	25	25	114
009	INCHES	34	20	11.08	5.204	8	7	4	2.3/8	6.08	1	1	1	4.5/4	2	15	9	1/2	1	1	4.1/2
	MM	854	508	283	146	203	178	120	60	156	25	25	25	121	51	381	229	13	25	25	114
012	INCHES	34	20	11.08	5.204	8	7	4	2.3/8	6.08	1	1	1	4.5/4	2	15	9	1/2	1	1	4.1/2
	MM	854	508	283	146	203	178	120	50	156	25	25	25	121	51	381	229	13	25	25	114



Dimension Data HE Package 015/019/024/030

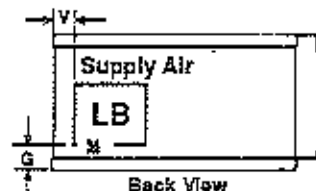
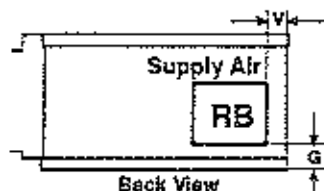
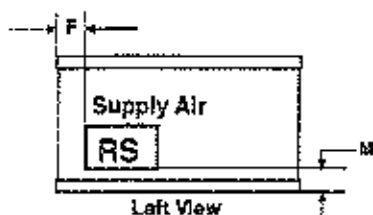
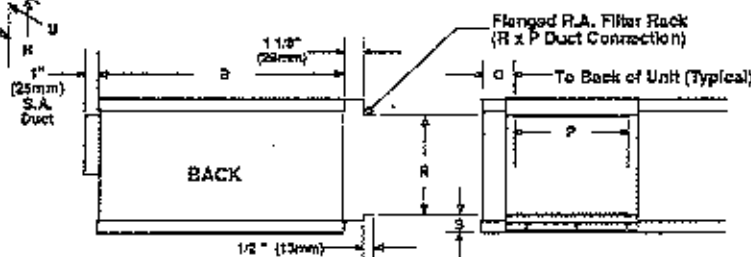
Contractor: _____ P.O.: _____
Engineer: _____
Project Name: _____ Unit Tag: _____

Optional Air Flow Arrangements Plan View



- | | Size
015 - 019 | Size
024 - 030 |
|--------------------------------|--------------------------------------|-------------------|
| 1. Water outlet | 1/2" FPT | 3/4" FPT |
| 2. Water inlet | 1/2" FPT | 3/4" FPT |
| 3. Condensate Drain | 3/4" FPT | 3/4" FPT |
| 4. High Voltage Access | 7/8" X 1 1/8" K.O.* | |
| 5. Low Voltage Access | 1/2" DIA.* | |
| 6. HWG Outlet | Sz 024 - 10 3/8" from bottom of unit | |
| HWG Outlet Sz 030 | 12 5/8" from bottom of unit | |
| HWG Inlet Sz 024 | 3 5/8" from bottom of unit | |
| HWG Inlet Sz 030 | 3 5/8" from bottom of unit | |
| CAP - Control Access Panel | | |
| BSP - Blower Service Panel | | |
| CSP - Compressor Service Panel | | |
| Nominal Air Filter Size: | Unit size 015 - 019 | |
| | 16" x 22" x 1" | |
| | (406mm x 559mm x 25mm) | |
| | Unit size 024 - 030 | |
| | 18" x 22" x 1" | |
| | (457mm x 559mm x 25mm) | |

* OPTIONAL ELECTRICAL
ACCESS ON L. SIDE OF
CORNER POST



Supply Air Duct locations (LS shown on main drawing)

Note: Air flow pattern can be converted in the field by interchanging the blower discharge panel (w/blower assembly attached) with the blower service panel. Only LS to LB and RS to RB can be converted.

MODEL		A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	R	S	T	U	V
015	INCHES	43	20	17	7 3/4	10	6 3/4	5 1/4	1 1/4	12	2 3/8	1	4 1/4	7 1/4	2	20 1/2	14 3/4	1/2	1	4	5
	MM	1092	508	432	197	254	171	133	32	305	60	25	108	184	51	521	375	13	25	102	127
019	INCHES	43	20	17	10 1/4	7	6 1/2	5 1/4	1 1/4	11	2 3/8	1	3 1/4	7 1/4	2	20 1/2	14 3/4	1/2	1	4	6 1/2
	MM	1092	508	432	260	178	165	133	32	279	60	25	82	184	51	521	375	13	25	102	165
024	INCHES	43	20	19	10 1/4	9 1/4	5 1/4	5 1/4	1 1/4	11	2 3/8	1	3 1/2	7 1/4	2	20 1/2	16 3/4	1/2	1	4	5 1/4
	MM	1092	508	483	254	229	133	133	32	279	60	25	102	184	51	521	425	13	25	102	133
030	INCHES	43	20	19	10 1/4	9 1/4	5 1/4	5 1/4	1 1/4	13 1/4	2 3/8	1	3 1/2	7 1/4	2	20 1/2	16 3/4	1/2	1	4	5 1/4
	MM	1092	508	483	254	229	133	133	32	337	60	25	102	184	51	521	425	13	25	102	133

02-SM101-9302-0

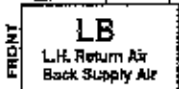
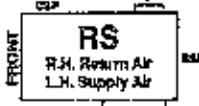
Dimension Data HE Package 036

Contractor: _____ P.O.: _____

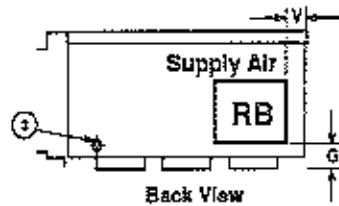
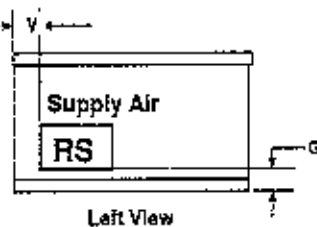
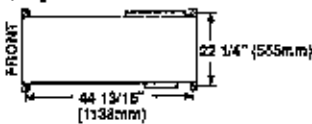
Engineer: _____

Project Name: _____ Unit Tag: _____

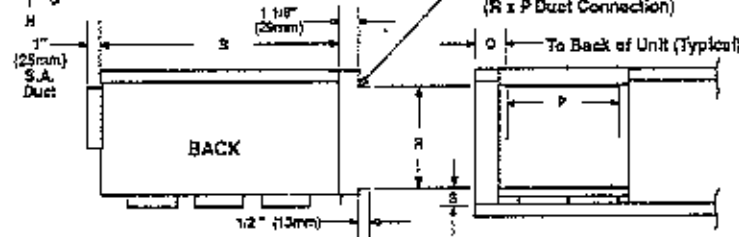
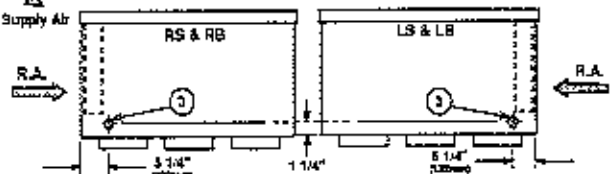
Optional Air Flow Arrangements Plan View



Hangar Bracket Dimensions



1. Water outlet 3/4" FPT
2. Water inlet 3/4" FPT
3. Condensate Drain 3/4" FPT
4. High Voltage Access 7/8" X 1 1/8"
5. Low Voltage Access K.O.
6. HWG Outlet - 12 1/4" from bottom of unit
- HWG Inlet - 3 3/4" from bottom of unit
- CAP - Control Access Panel 1/2" DIA.
- BSP - Blower Service Panel
- CSP - Compressor Service Panel
- Nominal Air Filter Size:
20" x 25" x 1"
(508mm x 635mm x 25mm)



Supply Air Duct locations (LS shown on main drawing)

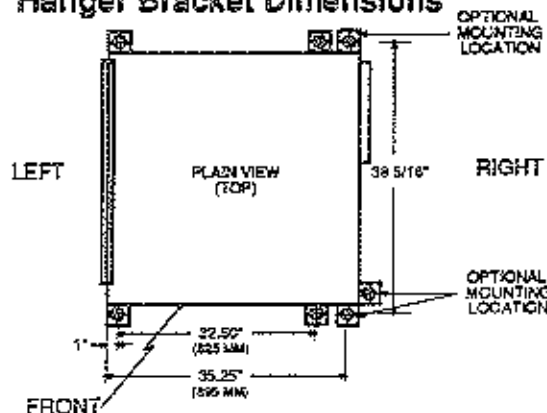
Note: Field rework of air flow arrangement (LS to LB, LB to LS, RS to RB, RB to RS) requires sheet metal changes.

MODEL		A	B	C	D	E	F	G	H	J	K	L	N	O	P	R	S	T	U	V
036	INCHES	47	20	21	30 5/8	9 3/8	7 1/2	3 1/4	3 7/8	13 3/8	2 1/4	1	11	2 3/4	22 3/4	18 3/8	1 3/4	1	3 3/4	3 1/4
	MM	1194	508	533	764	238	191	83	98	340	57	25	279	70	573	467	44	25	95	83

Dimension Data HE Package 042/048/060

Contractor: _____ P.O.: _____
Engineer: _____
Project Name: _____ Unit Tag: _____

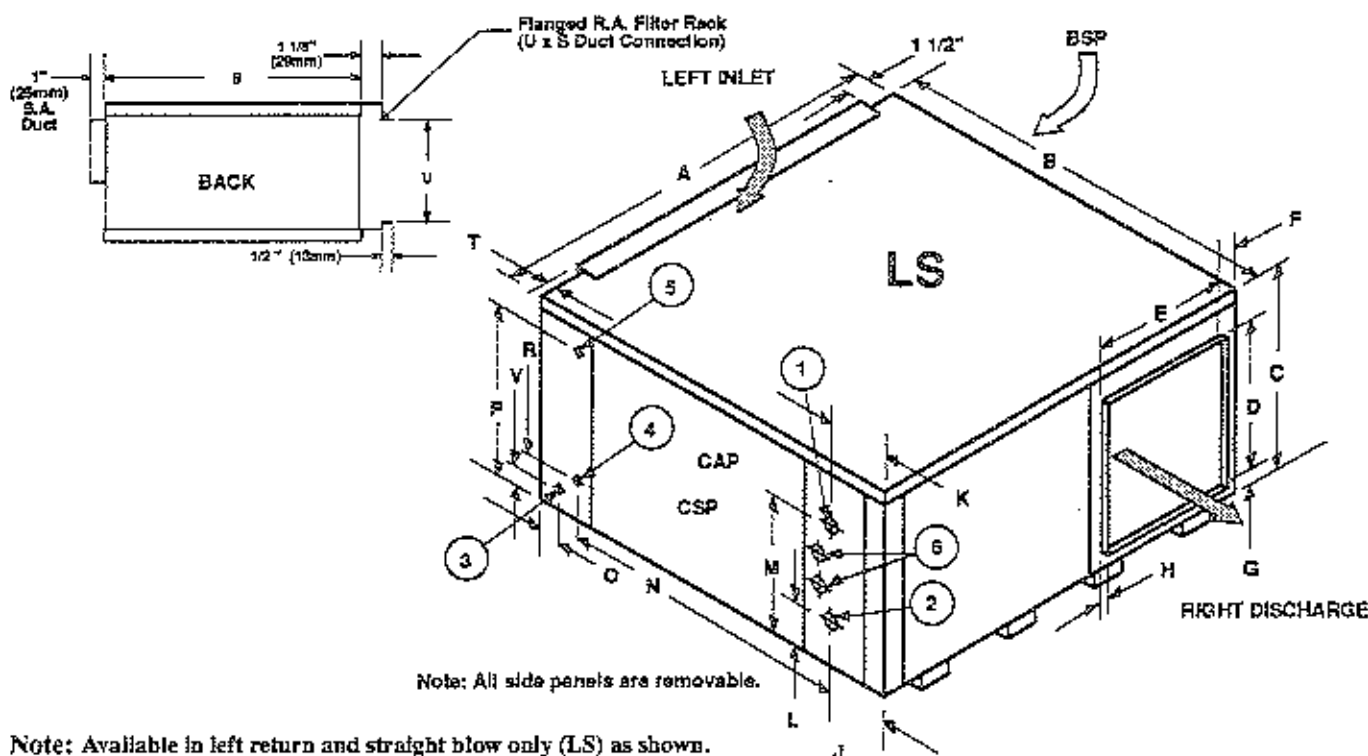
Hanger Bracket Dimensions



1. Water outlet 1" FPT
 2. Water inlet 1" FPT
 3. Condensate Drain 3/4" FPT
 4. High Voltage Access 7/8" X 1 1/8" DIA., 22mm x 29mm DIA.
 5. Low Voltage Access 1/2" DIA., 13mm DIA.
 6. HWG Outlet - 14 3/8" from bottom of unit
HWG Inlet - 10 1/2" from bottom of unit
- CAP - Control Access Panel
BSP - Blower Service Panel
CSP - Compressor Service Panel

Return Air Duct Size
18 1/4" High X 29 3/4" Wide
464mm High X 756mm Wide

Nominal Filter Size
16 x 20 X 1 Two Required
406mm x 508mm x 25mm Two Required

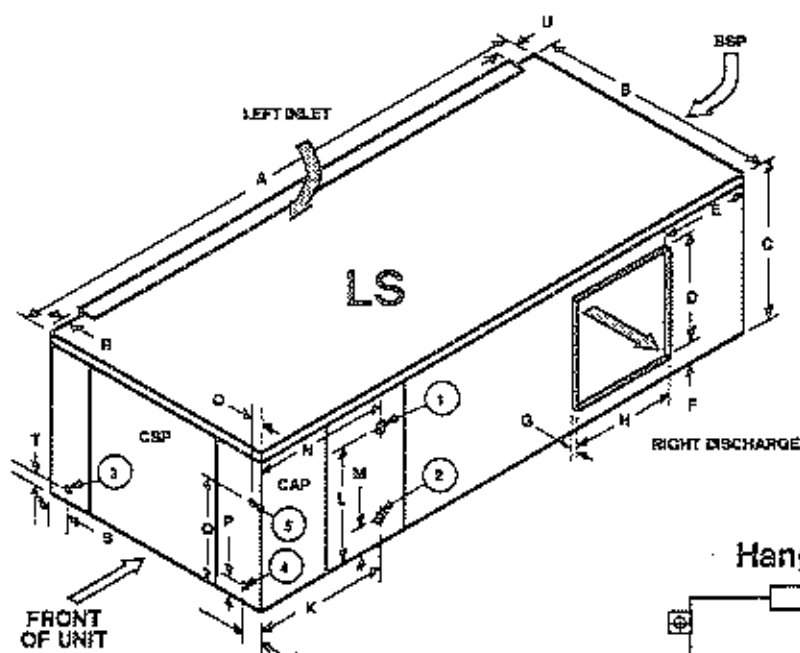


Note: Available in left return and straight blow only (LS) as shown.

MODEL		A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	R	S	T	U	V
042	INCHES	36 1/4	36 1/4	21	15	15	1 3/4	2 5/8	1	4 7/8	3 3/8	3 7/8	18	7 1/2	5 3/8	17 1/2	3 1/8	32	1	18 1/4	1 1/2
	MM	921	921	533	381	381	44	67	25	124	86	98	457	191	137	445	79	813	25	464	38
048	INCHES	36 1/4	36 1/4	21	15	15	1 3/4	2 5/8	1	4 7/8	3 3/8	3 7/8	18	7 1/2	5 3/8	17 1/2	3 1/8	32	1	18 1/4	1 1/2
	MM	921	921	533	381	381	44	67	25	124	86	98	457	191	137	445	79	813	25	464	38
060	INCHES	36 1/4	36 1/4	22	15	15	1 3/4	2 5/8	1	5 1/8	1 7/8	2 5/8	18 1/2	7 1/2	5 3/8	17 1/2	3 1/8	32	1	18 1/4	1 1/2
	MM	921	921	533	381	381	44	67	25	130	48	67	470	191	137	445	79	813	25	464	38

Dimension Data HE Horizontal 072

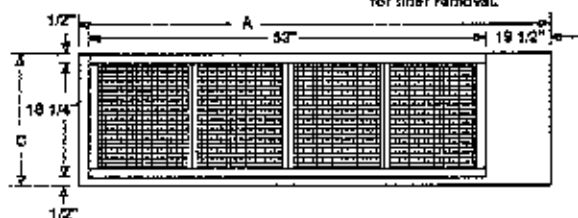
Contractor: _____ P.O.: _____
 Engineer: _____
 Project Name: _____ Unit Tag: _____



Note: All side panels are removable.

FLANGED FILTER BACK
VIEW AT INLET

Note: Leave one end
of duct collar open
for filter removal.

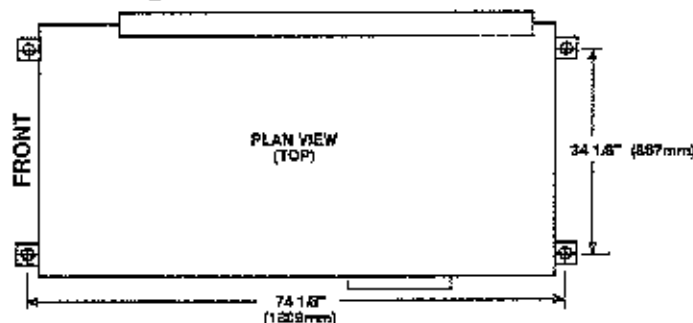


1. Water outlet 1 1/4" FPT
 2. Water Inlet 1 1/4" FPT
 3. Condensate Drain 3/4" FPT
 4. High Voltage Access 1 3/8" K.O. (35mm)
 5. Low Voltage Access 1/2" DIA (13mm)
- CAP - Control Access Panel
 BSP - Blower Service Panel
 CSP - Compressor Service Panel

Return Air Duct Size
 18 1/4" High X 53" Wide
 464mm High X 1346mm Wide

Nominal Filter Size
 20 X 26 1/2 X 1 Two required
 508mm X 673mm X 25mm Two required

Hangar Bracket Dimensions



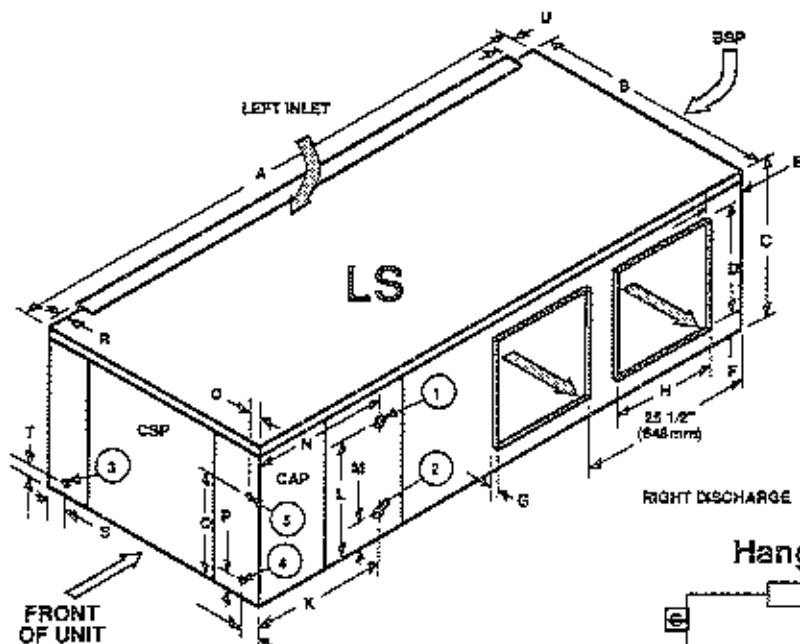
Note: Available in left return, straight blow only (LS) as shown

MODEL		A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	R	S	T	U	V
072	INCHES	72 3/4	36	21	16	14 1/2	3	1	16	1 7/8	19 3/4	16 1/2	3 3/4	21 3/4	1/2	2 1/2	1	4 1/4	1 3/8	3/4	13 1/2
	MM	1835	914	533	406	368	76	25	406	48	502	419	83	540	13	64	25	108	35	19	343

02--SM104-9302-0

Dimension Data HE Horizontal 096/120

Contractor: _____ P.O.: _____
 Engineer: _____
 Project Name: _____ Unit Tag: _____



1. Water outlet 1 1/4" FPT
 2. Water Inlet 1 1/4" FPT
 3. Condensate Drain 3/4" FPT
 4. High Voltage Access 1 3/8" K.O. (35mm)
 5. Low Voltage Access 1/2" DIA (13mm)
- CAP - Control Access Panel
 BSP - Blower Service Panel
 CSP - Compressor Service Panel

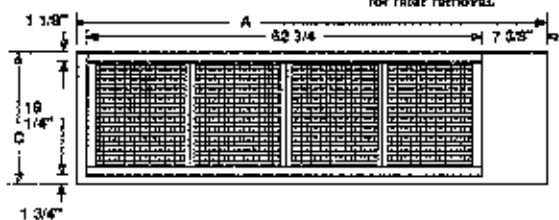
Return Air Duct Size
 18 1/4" High X 62 3/4" Wide
 464mm High X 1594mm Wide

Nominal Filter Size
 16 X 20 X 1 Four required
 406mm X 508mm X 25mm Four required

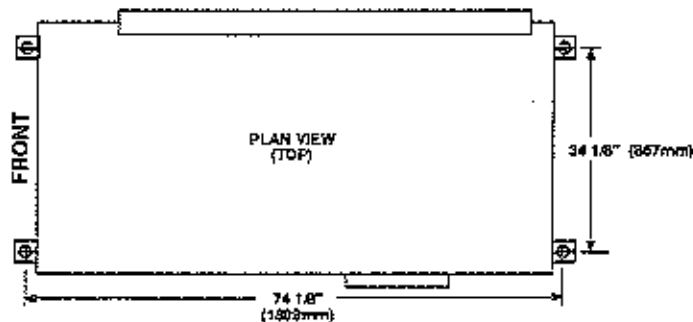
Note: All side panels are removable.

FLANGED FILTER RACK
 VIEW AT INLET

Note: Leave one end
 of duct collar open
 for filter removal.



Hangar Bracket Dimensions



Note: Available in left return, straight blow only (LS) as shown

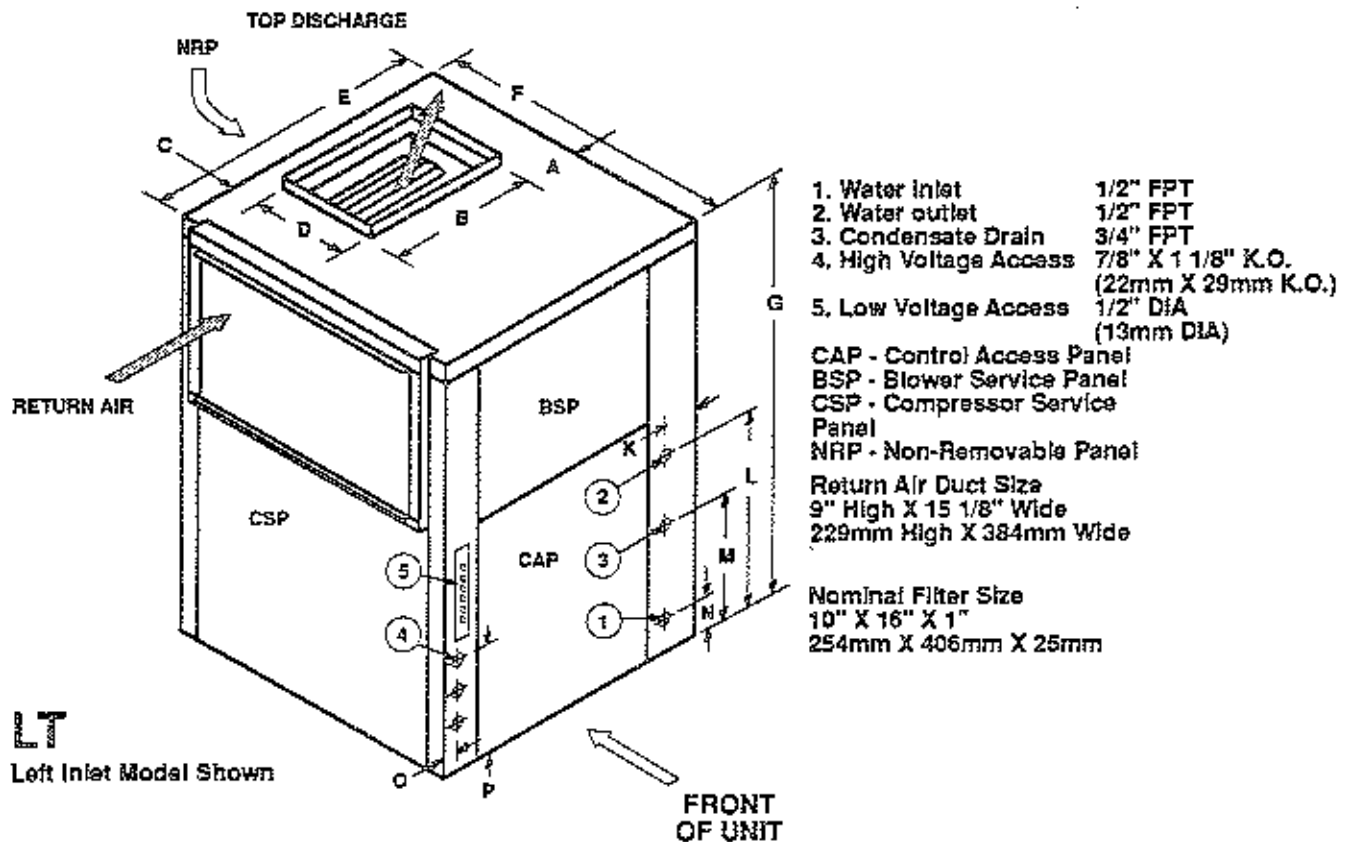
MODEL		A	B	C	D	E	F	G	H	I	K	L	M	N	O	P	R	S	T	U	V
996	INCHES	72 1/4	36 1/4	21	15 1/8	3 1/4	3 1/4	1	15 1/8	1 7/8	18 1/4	17	3 1/4	20	1/2	2 1/2	1	4 1/8	1 1/4	1 7/8	19 1/2
	MM	1835	921	533	384	83	83	25	384	48	464	432	83	508	13	64	25	105	32	48	343
120	INCHES	72 1/4	36 1/4	21	15 1/8	2 5/8	4 1/4	1	15 1/8	1 7/8	18 1/4	18 5/8	3 1/4	22 1/4	1/2	2 1/2	1	4 1/8	1 1/4	1 7/8	13 1/2
	MM	1835	921	533	384	67	108	25	384	48	464	473	83	565	13	64	25	105	32	48	343

02-SM105-9302-0

Dimension Data VE Package 009/012

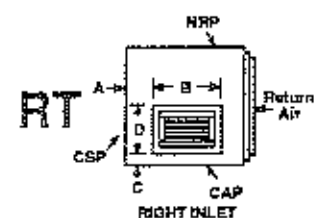
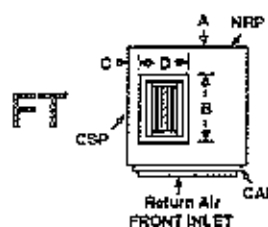
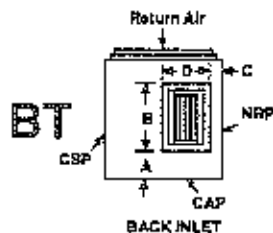
Contractor: _____ P.O.: _____
 Engineer: _____
 Project Name: _____ Unit Tag: _____

Standard Arrangement



LT
 Left Inlet Model Shown

Optional Air Flow Patterns



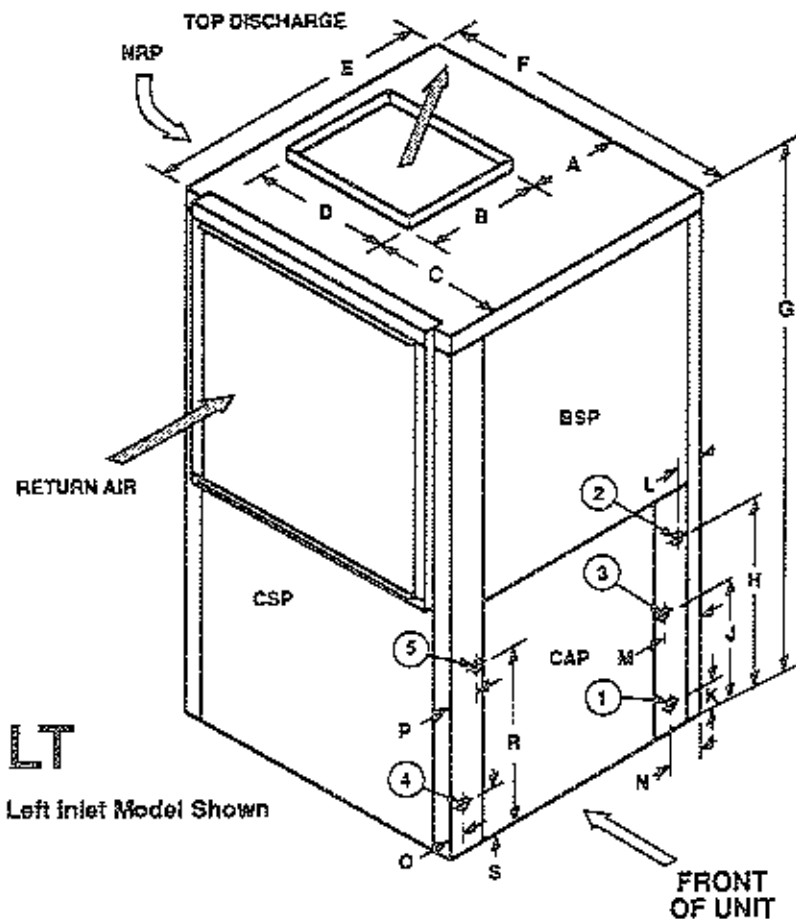
MODEL		A	B	C	D	E	F	G	K	L	M	N	O	P
009	INCHES	3 7/8	9 7/8	1 3/4	7	19 1/8	19 1/8	24 1/8	1	8 3/4	5 5/8	2 3/8	1	4 1/2
	MM	98	251	44	178	486	486	613	25	222	143	60	25	114
012	INCHES	3 7/8	8 7/8	1 5/8	7 3/8	19 1/8	19 1/8	24 1/8	1	8 3/4	5 5/8	2 3/8	1	4 1/2
	MM	98	221	41	187	486	486	613	25	222	143	60	25	114

02-SM106-9302-0

Dimension Data VE Package 015/019

Contractor: _____ P.O.: _____
 Engineer: _____
 Project Name: _____ Unit Tag: _____

Standard Arrangement



1. Water Inlet 1/2" FPT
 2. Water outlet 1/2" FPT
 3. Condensate Drain 3/4" FPT
 4. High Voltage Access 7/8" X 1 1/8" K.O. (22mm X 29mm K.O.)
 5. Low Voltage Access 1/2" DIA (13mm DIA)
- CAP - Control Access Panel
 BSP - Blower Service Panel
 CSP - Compressor Service Panel
 NRP - Non-Removable Panel

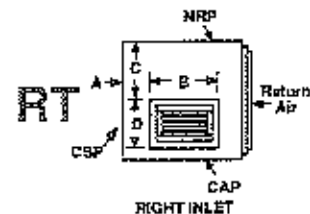
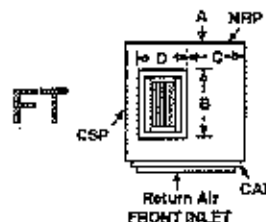
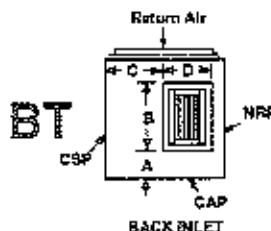
Return Air Duct Size
 18 3/4" High X 18 1/8" Wide
 476mm High X 460mm Wide

Nominal Filter Size
 20" X 20" X 1"
 508mm X 508mm X 25mm

LT

Left Inlet Model Shown

Optional Air Flow Patterns



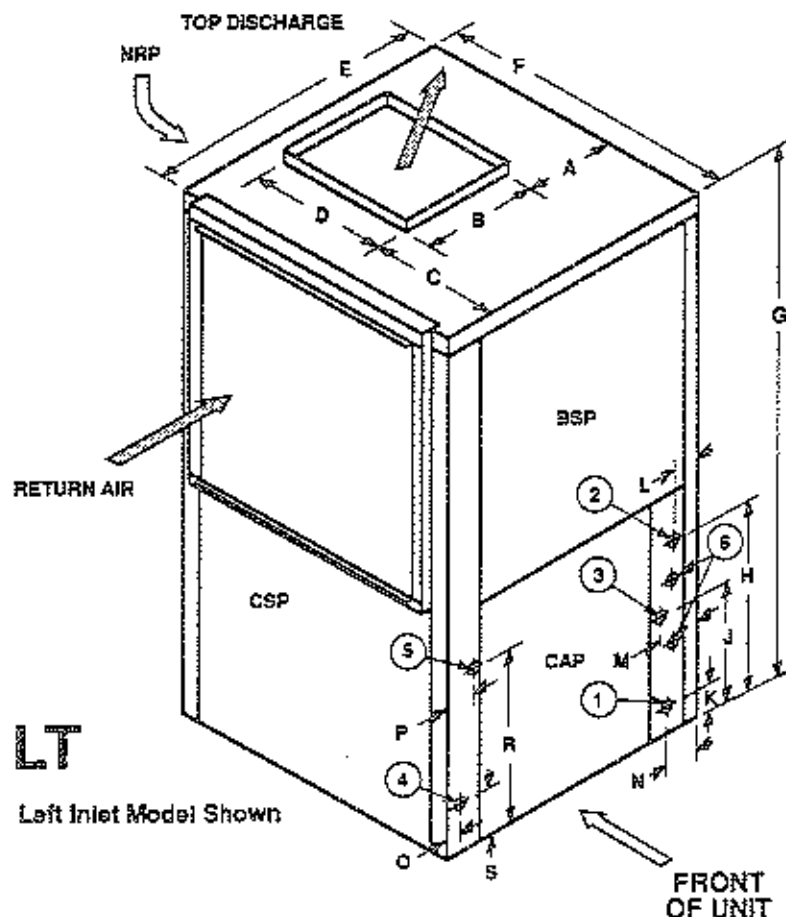
MODEL		A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	R	S
015	INCHES	5 1/2	30	9 1/4	7 5/8	21 1/8	21 1/8	37 1/2	11 7/8	9 3/4	1 7/8	5 7/8	6	5 3/8	1 1/8	1 5/8	14 1/2	7 1/4
	MM	140	254	235	194	537	537	953	302	248	48	98	152	137	29	41	368	184
019	INCHES	6	9	5 5/8	12 5/8	21 1/8	21 1/8	37 1/2	12 7/8	9 3/4	1 7/8	5 7/8	6	5 3/8	1 1/8	1 5/8	14 1/2	7 1/4
	MM	140	229	143	321	537	537	953	327	248	48	98	152	137	29	41	368	184

02-SM107-9302-0

Dimension Data VE Package 024/030

Contractor: _____ P.O.: _____
Engineer: _____
Project Name: _____ Unit Tag: _____

Standard Arrangement



1. Water Inlet 3/4" FPT
2. Water outlet 3/4" FPT
3. Condensate Drain 3/4" FPT
4. High Voltage Access 7/8" X 1 1/8" K.O. (22mm X 29mm K.O.)
5. Low Voltage Access 1/2" DIA (13mm DIA)

- HWG Optional 1 1/2 FPT
6. HWG Outlet - 11 1/4" from bottom of unit
HWG Inlet - 8 7/8" from bottom of unit
CAP - Control Access Panel
BSP - Blower Service Panel
CSP - Compressor Service Panel
NRP - Non-Removable Panel

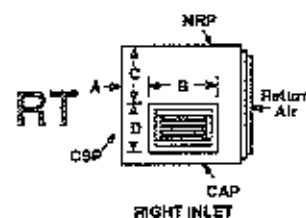
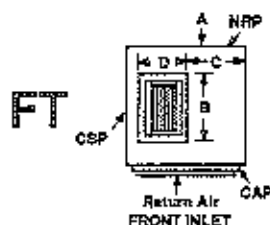
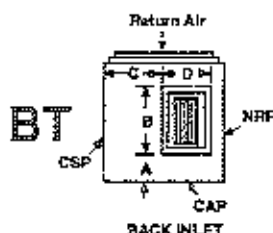
Return Air Duct Size
18 1/2" High X 20" Wide
470mm High X 502mm Wide

Nominal Filter Size
20" X 20" X 1"
508mm X 508mm X 25mm

LT

Left Inlet Model Shown

Optional Air Flow Patterns



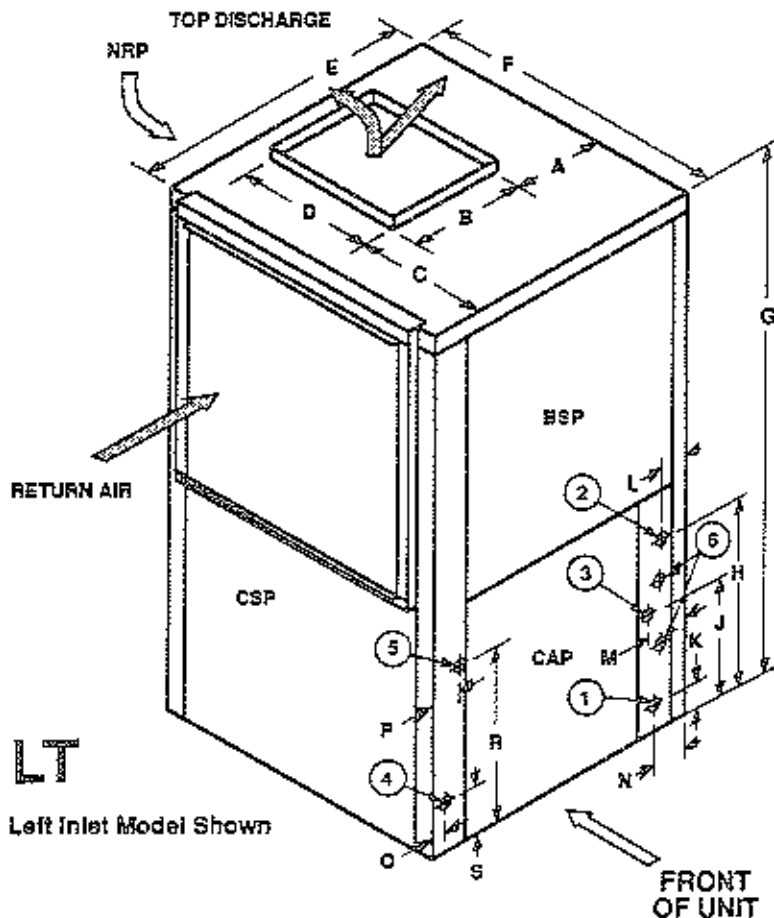
MODEL		A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	R	S
024	INCHES	5 3/4	11 5/8	7 5/8	12 3/4	23 1/4	23 1/4	37 1/2	13 1/8	9 3/4	17/8	3 7/8	6	5 3/8	1 1/2	1	14 1/2	7 1/4
	MM	146	295	194	324	591	591	953	33	248	48	98	152	137	38	25	368	184
030	INCHES	5 3/4	11 5/8	7 5/8	12 3/4	23 1/4	23 1/4	37 1/2	15 1/4	9 3/4	17/8	5 7/8	6	5 3/8	1 1/2	1	14 1/2	7 1/4
	MM	146	295	194	324	591	591	953	387	248	48	98	152	137	38	25	368	184

02-SM108-9302-0

Dimension Data VE Package 036

Contractor: _____ Date: _____ of _____ pages
 Engineer: _____
 Project Name: _____
 Post-it
 Fax Note R7673: 7-25-01 1
 To: DAVE Perge
 From: 810 796 3402
 Project: _____

Standard Arrangement



1. Water Inlet 3/4" FPT
2. Water outlet 3/4" FPT
3. Condensate Drain 3/4" FPT
4. High Voltage Access 7/8" X 1 1/8" K.O. (22mm X 29mm K.O.)
5. Low Voltage Access 1/2" DIA (13mm DIA)

HWG Optional: 1/2 FPT
 6. HWG Outlet - 16" from bottom of unit
 HWG Inlet - 9 3/4" from bottom of unit
 CAP - Control Access Panel
 BSP - Blower Service Panel
 CSP - Compressor Service Panel
 NRP - Non-Removable Panel

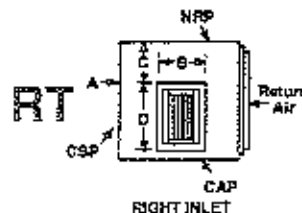
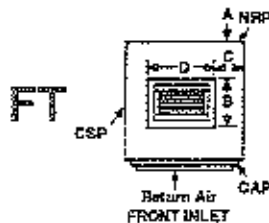
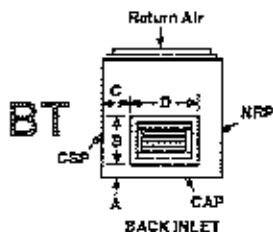
Return Air Duct Size
 22 1/2" High X 23 3/4" Wide
 572mm High X 603mm Wide

Nominal Filter Size
 24" X 24" X 1"
 610mm X 610mm X 25mm

LT

Left Inlet Model Shown

Optional Air Flow Patterns

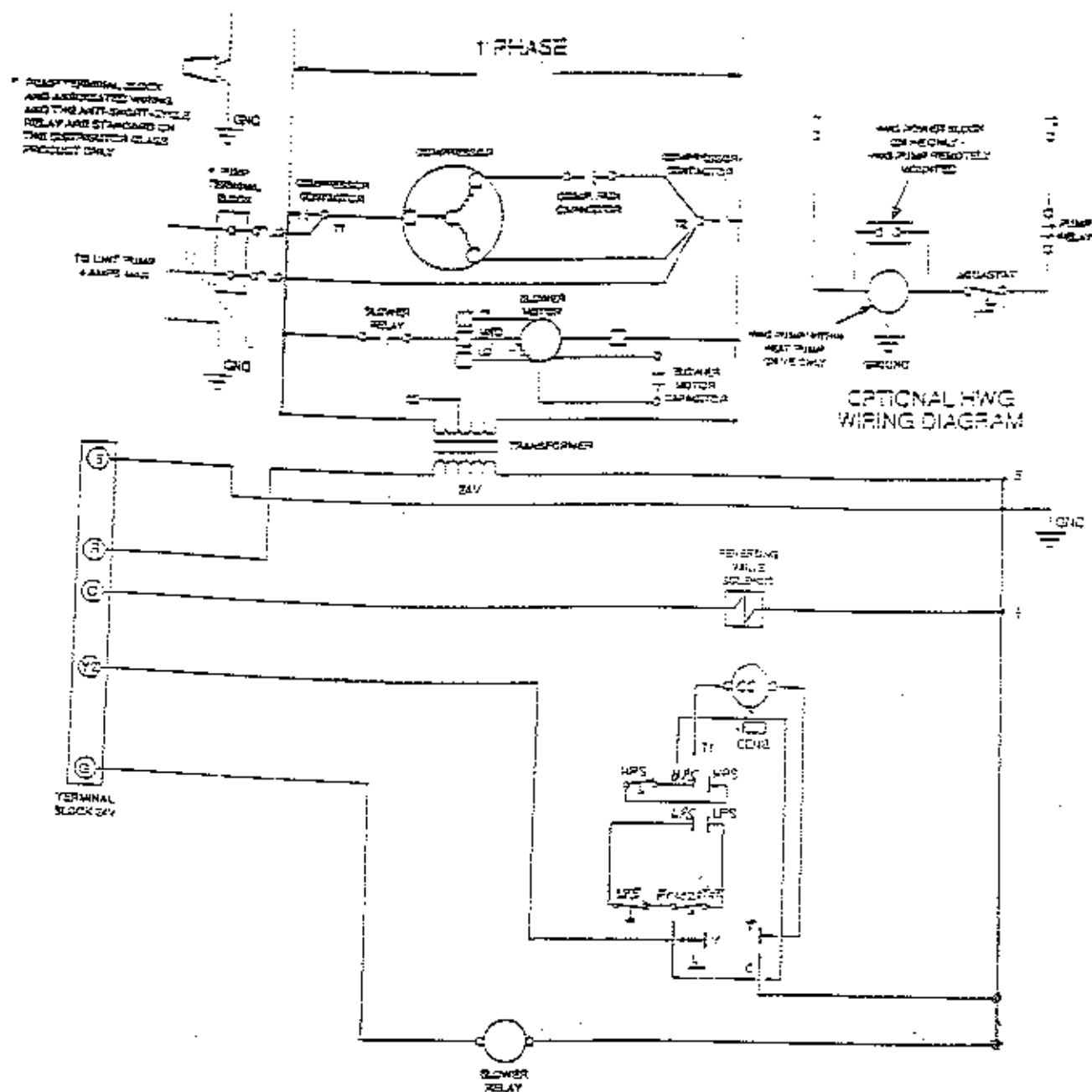


MODEL		A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	R	S
036	INCHES	4 1/4	12 5/8	6 7/8	11 5/8	25 3/8	25 3/8	42	15 1/2	7 1/2	2 3/8	4	5 3/4	5 3/8	1 1/2	1 1/4	16 1/2	6
	MM	108	321	175	295	644	644	1062	394	191	60	102	146	137	38	32	419	152

02-SM109-9302-0

Wiring diagram

HEVE Size 024



TRANSFORMER COM = C

CONTACTOR COIL = T & T2 *NOTE: only these two wires must be connected to the contactor coil. No other wires can be connected to contactor coil

HPS = HIGH PRESS. switch

LPS = LOW PRESS. switch & Low temp. switch (FREEZESTAT) in series.

Y = T-STAT Y2