

Aspen Compressor, LLC

Performance Chart

Model# 2.8cc Twin Series

Refrigerant: HFC-134a

CAPACITY (WATTS)

Condenser Temperature (°F)	Compressor Speed (RPM)	Evaporator Temperature (°F)						
		10	20	30	40	50	60	70
100	3000	117	175	234	322	411	524	636
	4000	159	236	312	422	531	687	842
	4500	180	266	352	472	592	768	945
	5000	203	295	387	520	653	844	1035
	6000	248	352	457	616	775	995	1215

Condenser Temperature (°F)	Compressor Speed (RPM)	Evaporator Temperature (°F)						
		10	20	30	40	50	60	70
120	3000	108	157	207	285	363	476	590
	4000	149	217	286	388	490	631	772
	4500	169	247	325	440	554	708	863
	5000	189	274	359	485	611	778	944
	6000	228	328	427	577	727	917	1106

Condenser Temperature (°F)	Compressor Speed (RPM)	Evaporator Temperature (°F)						
		10	20	30	40	50	60	70
140	3000	99	138	178	250	322	430	538
	4000	130	190	250	349	447	589	732
	4500	146	216	287	398	510	669	829
	5000	164	243	321	442	564	719	873
	6000	202	296	390	530	671	817	963

Note: all data points are with 10°F Superheat and 8°F Subcooling with HFC-134a

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Refrigerant: HFC-134a
CAPACITY (BTU/hr)

Condenser Temperature (°F)	Compressor Speed (RPM)	Evaporator Temperature (°F)						
		10	20	30	40	50	60	70
100	3000	400	599	798	1101	1404	1789	2173
	4000	543	805	1067	1441	1815	2346	2877
	4500	615	908	1201	1610	2020	2624	3229
	5000	692	1006	1320	1775	2229	2882	3536
	6000	846	1203	1560	2103	2646	3398	4151

Condenser Temperature (°F)	Compressor Speed (RPM)	Evaporator Temperature (°F)						
		10	20	30	40	50	60	70
120	3000	369	537	706	972	1238	1627	2016
	4000	507	742	976	1325	1673	2155	2636
	4500	577	844	1111	1501	1891	2419	2946
	5000	644	936	1227	1658	2088	2656	3224
	6000	780	1119	1458	1970	2483	3131	3778

Condenser Temperature (°F)	Compressor Speed (RPM)	Evaporator Temperature (°F)						
		10	20	30	40	50	60	70
140	3000	338	473	607	853	1098	1467	1836
	4000	444	650	855	1191	1527	2013	2499
	4500	497	738	979	1360	1742	2286	2830
	5000	562	829	1097	1511	1925	2454	2983
	6000	691	1011	1332	1812	2292	2790	3289

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COEFFICIENT OF PERFORMANCE

Condenser Temperature (°F)	Compressor Speed (RPM)	Evaporator Temperature (°F)						
		10	20	30	40	50	60	70
100	3000	1.39	1.97	2.55	3.48	4.40	6.07	7.73
	4000	1.49	2.05	2.61	3.48	4.35	5.96	7.58
	4500	1.54	2.09	2.63	3.48	4.32	5.91	7.50
	5000	1.55	2.08	2.61	3.43	4.25	5.72	7.19
	6000	1.57	2.08	2.58	3.34	4.10	5.34	6.58

Condenser Temperature (°F)	Compressor Speed (RPM)	Evaporator Temperature (°F)						
		10	20	30	40	50	60	70
120	3000	1.10	1.45	1.80	2.34	2.87	3.77	4.66
	4000	1.17	1.55	1.93	2.47	3.01	3.85	4.69
	4500	1.21	1.60	1.99	2.54	3.08	3.89	4.70
	5000	1.23	1.61	2.00	2.54	3.07	3.85	4.63
	6000	1.26	1.63	2.01	2.53	3.06	3.78	4.49

Condenser Temperature (°F)	Compressor Speed (RPM)	Evaporator Temperature (°F)						
		10	20	30	40	50	60	70
140	3000	0.82	1.04	1.26	1.64	2.02	2.57	3.12
	4000	0.85	1.13	1.40	1.80	2.20	2.77	3.34
	4500	0.87	1.17	1.46	1.87	2.28	2.87	3.45
	5000	0.90	1.19	1.48	1.89	2.29	2.80	3.31
	6000	0.95	1.24	1.52	1.91	2.29	2.66	3.03

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Model# 2.8cc Twin Series

Refrigerant: HFC-134a

INPUT POWER (WATTS)

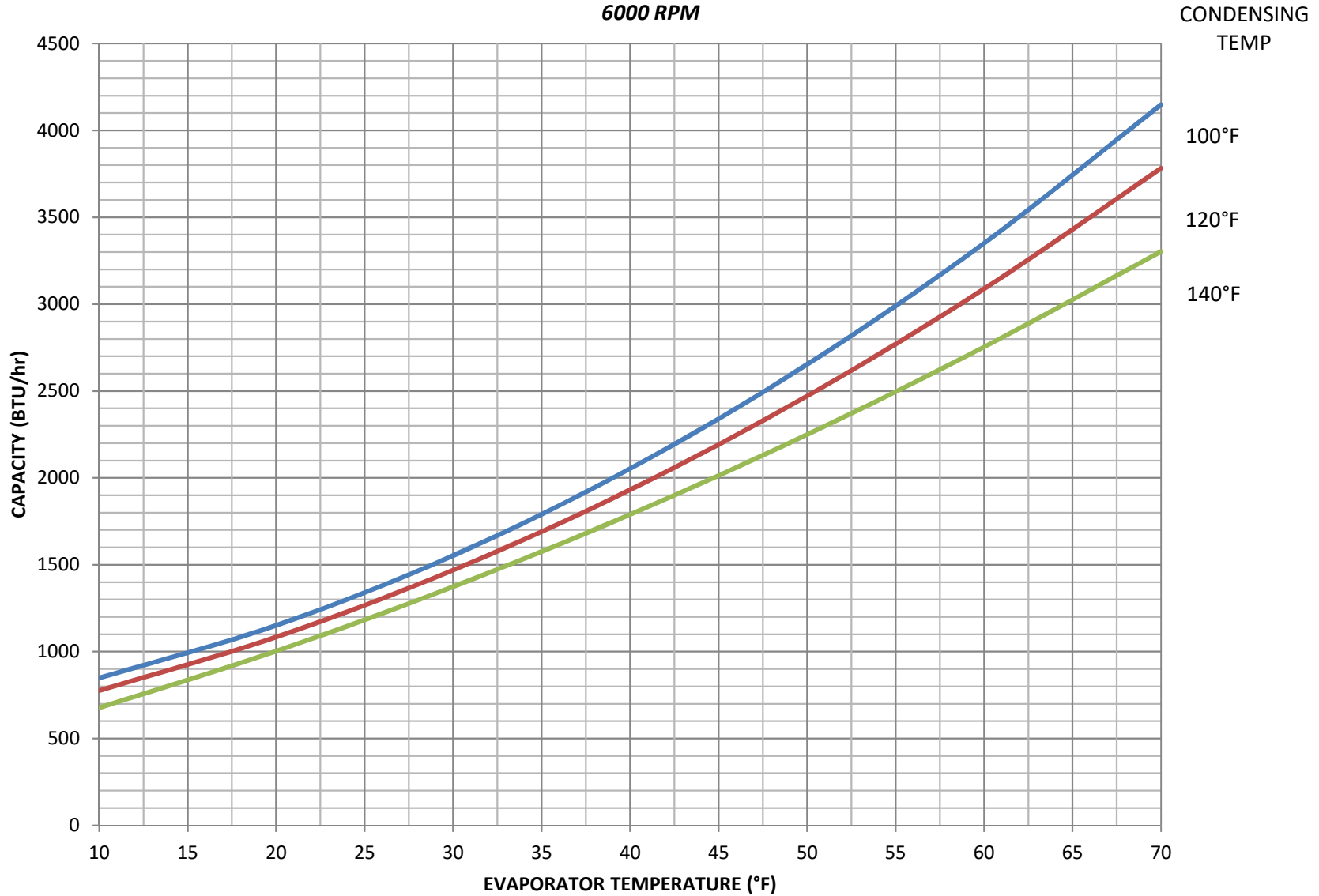
Condenser Temperature (°F)	Compressor Speed (RPM)	Evaporator Temperature (°F)						
		10	20	30	40	50	60	70
100	3000	84	89	92	93	93	86	82
	4000	106	115	120	121	122	115	111
	4500	117	127	134	136	137	130	126
	5000	130	141	148	151	154	148	144
	6000	157	170	177	184	189	186	185

Condenser Temperature (°F)	Compressor Speed (RPM)	Evaporator Temperature (°F)						
		10	20	30	40	50	60	70
120	3000	98	108	115	122	126	126	127
	4000	127	140	148	157	163	164	165
	4500	140	154	163	173	180	182	184
	5000	154	170	180	191	199	202	204
	6000	181	201	213	228	237	243	246

Condenser Temperature (°F)	Compressor Speed (RPM)	Evaporator Temperature (°F)						
		10	20	30	40	50	60	70
140	3000	121	133	141	152	159	167	172
	4000	152	169	179	194	204	213	219
	4500	167	185	196	213	223	233	240
	5000	183	204	216	235	246	257	264
	6000	213	239	256	278	293	307	318

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ASPEN COMPRESSOR, LLC.
Model # 2.8cc Twin Series
HFC-134a
6000 RPM



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