

Aspen Compressor, LLC

Performance Chart
Model# 14-24-000X
 Refrigerant: HFC-134a
 CAPACITY (BTU/hr)

Condenser Temperature (°F)	Compressor Speed (RPM)	Evaporator Temperature (°F)						
		10	20	30	40	50	60	70
100	3000	127	244	361	522	682	894	1106
	4000	210	361	512	718	924	1197	1470
	4500	252	420	587	816	1045	1348	1651
	5000	298	480	663	913	1162	1493	1823
	6000	388	601	814	1105	1397	1782	2168

Condenser Temperature (°F)	Compressor Speed (RPM)	Evaporator Temperature (°F)						
		10	20	30	40	50	60	70
120	3000	119	224	330	474	618	809	1000
	4000	192	324	456	636	817	1056	1294
	4500	229	374	519	718	916	1179	1441
	5000	272	431	590	808	1025	1313	1601
	6000	358	545	732	987	1242	1581	1920

Condenser Temperature (°F)	Compressor Speed (RPM)	Evaporator Temperature (°F)						
		10	20	30	40	50	60	70
140	3000	37	136	236	372	509	689	869
	4000	110	236	362	534	706	934	1162
	4500	147	286	425	615	805	1057	1309
	5000	187	337	487	692	896	1168	1439
	6000	268	440	611	845	1079	1390	1700

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

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Performance Chart

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CAPACITY (WATTS)

Condenser Temperature (°F)	Compressor Speed (RPM)	Evaporator Temperature (°F)						
		10	20	30	40	50	60	70
100	3000	37	71	106	153	200	262	324
	4000	62	106	150	210	271	350	430
	4500	74	123	172	239	306	395	483
	5000	87	141	194	267	340	437	534
	6000	114	176	238	324	409	522	635

Condenser Temperature (°F)	Compressor Speed (RPM)	Evaporator Temperature (°F)						
		10	20	30	40	50	60	70
120	3000	35	66	97	139	181	237	293
	4000	56	95	134	186	239	309	379
	4500	67	110	152	210	268	345	422
	5000	80	126	173	236	300	384	469
	6000	105	160	214	289	364	463	562

Condenser Temperature (°F)	Compressor Speed (RPM)	Evaporator Temperature (°F)						
		10	20	30	40	50	60	70
140	3000	11	40	69	109	149	202	255
	4000	32	69	106	156	207	274	340
	4500	43	84	124	180	236	309	383
	5000	55	99	143	203	262	342	421
	6000	79	129	179	247	316	407	498

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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	0.50	1.16	1.82	3.02	4.22	5.81	7.40
	4000	0.73	1.48	2.24	3.37	4.50	5.99	7.49
	4500	0.84	1.64	2.44	3.54	4.63	6.08	7.53
	5000	0.97	1.71	2.44	3.45	4.46	5.79	7.12
	6000	1.23	1.83	2.44	3.27	4.10	5.20	6.30

Condenser Temperature (°F)	Compressor Speed (RPM)	Evaporator Temperature (°F)						
		10	20	30	40	50	60	70
120	3000	0.44	0.92	1.40	2.06	2.72	3.60	4.47
	4000	0.68	1.13	1.59	2.21	2.83	3.65	4.48
	4500	0.80	1.24	1.68	2.28	2.88	3.68	4.48
	5000	0.87	1.29	1.72	2.30	2.88	3.66	4.45
	6000	1.00	1.39	1.78	2.32	2.86	3.62	4.38

Condenser Temperature (°F)	Compressor Speed (RPM)	Evaporator Temperature (°F)						
		10	20	30	40	50	60	70
140	3000	0.21	0.51	0.81	1.23	1.64	2.19	2.74
	4000	0.41	0.71	1.01	1.42	1.84	2.39	2.93
	4500	0.51	0.81	1.11	1.52	1.94	2.48	3.03
	5000	0.55	0.85	1.14	1.54	1.94	2.48	3.01
	6000	0.65	0.92	1.20	1.58	1.96	2.46	2.96

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Performance Chart
Model# 14-24-000X
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INPUT POWER (WATTS)

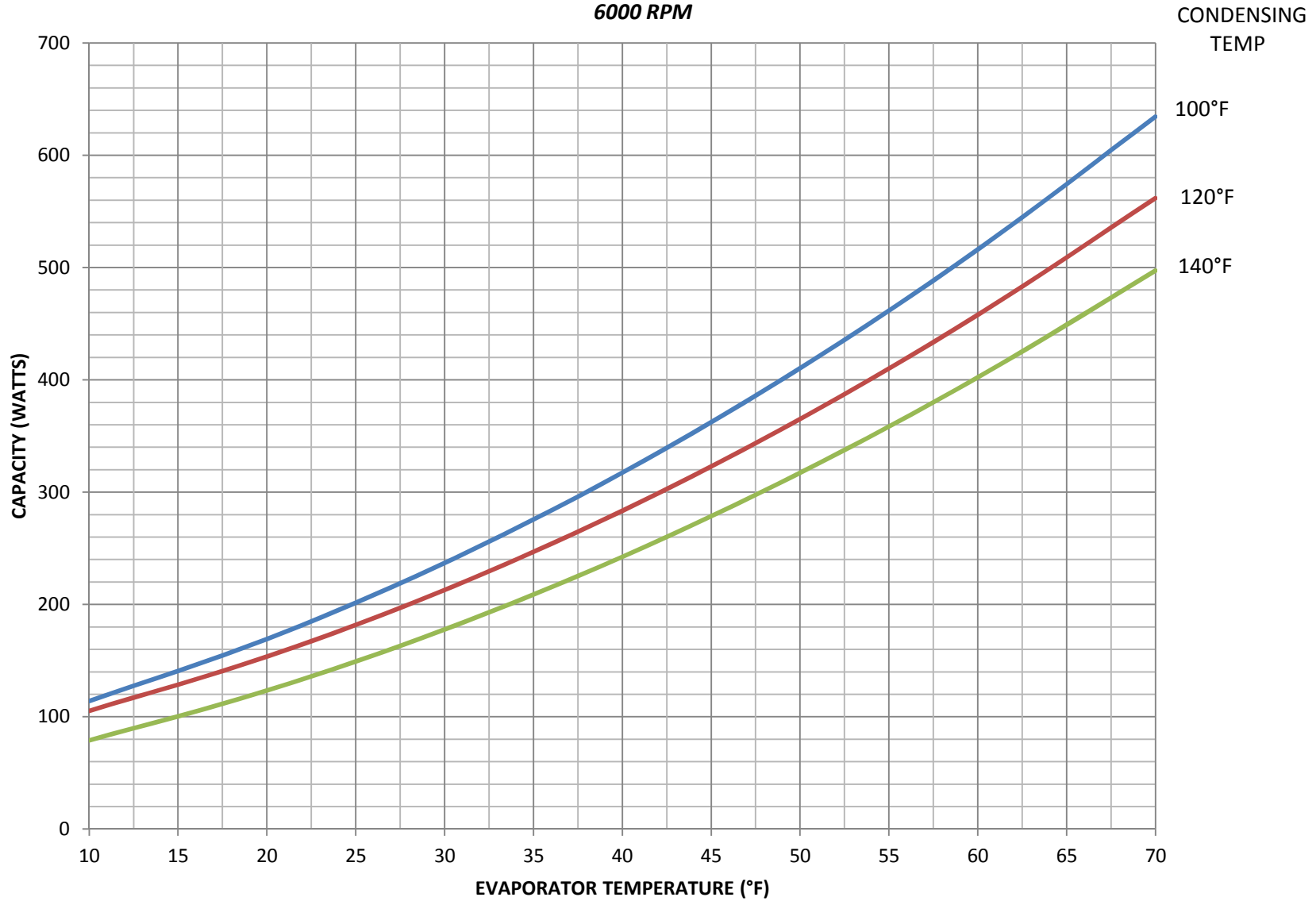
Condenser Temperature (°F)	Compressor Speed (RPM)	Evaporator Temperature (°F)						
		10	20	30	40	50	60	70
100	3000	74	62	58	51	47	45	44
	4000	85	71	67	62	60	58	57
	4500	88	75	70	68	66	65	64
	5000	90	82	79	77	76	76	75
	6000	93	96	98	99	100	100	101

Condenser Temperature (°F)	Compressor Speed (RPM)	Evaporator Temperature (°F)						
		10	20	30	40	50	60	70
120	3000	79	71	69	67	66	66	65
	4000	83	84	84	84	84	85	85
	4500	84	88	90	92	93	94	94
	5000	92	98	101	103	104	105	105
	6000	105	115	120	125	127	128	128

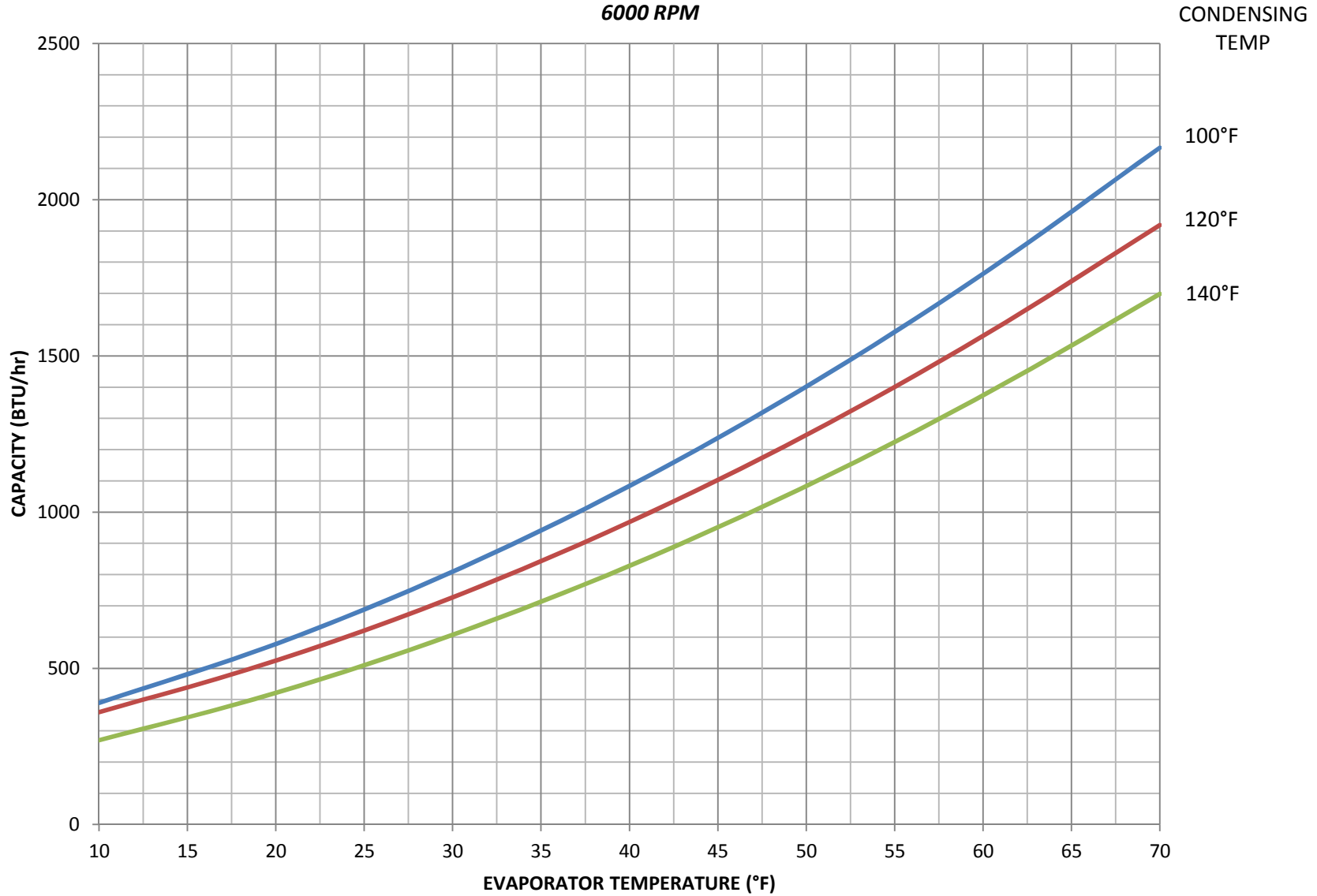
Condenser Temperature (°F)	Compressor Speed (RPM)	Evaporator Temperature (°F)						
		10	20	30	40	50	60	70
140	3000	52	78	85	89	91	92	93
	4000	79	97	105	110	112	115	116
	4500	85	104	112	118	122	125	126
	5000	99	117	125	131	135	138	140
	6000	121	139	149	157	161	166	168

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HFC-134a
6000 RPM



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