

*Aspen Compressor, LLC*

Performance Chart  
Model# Q Series 14-24  
Refrigerant: HFC-134a  
CAPACITY (WATTS)

Condenser Temperature (°F)	Compressor Speed (RPM)	Evaporator Temperature (°F)						
		10	20	30	40	50	60	70
100	3000	59	88	117	161	206	262	318
	4000	80	118	156	211	266	343	421
	4500	90	133	176	236	296	384	473
	5000	101	147	193	260	326	422	518
	6000	124	176	228	308	387	498	608

Condenser Temperature (°F)	Compressor Speed (RPM)	Evaporator Temperature (°F)						
		10	20	30	40	50	60	70
120	3000	54	79	103	142	181	238	295
	4000	74	109	143	194	245	315	386
	4500	84	124	163	220	277	354	431
	5000	94	137	180	243	306	389	472
	6000	114	164	213	288	363	458	553

Condenser Temperature (°F)	Compressor Speed (RPM)	Evaporator Temperature (°F)						
		10	20	30	40	50	60	70
140	3000	49	69	89	125	161	215	269
	4000	65	95	125	174	224	295	366
	4500	73	108	143	199	255	335	414
	5000	82	121	161	221	282	359	437
	6000	101	148	195	265	335	408	482

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

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**Performance Chart**  
**Model# Q Series 14-24**  
**Refrigerant: HFC-134a**  
**CAPACITY (BTU/hr)**

Condenser Temperature (°F)	Compressor Speed (RPM)	Evaporator Temperature (°F)						
		10	20	30	40	50	60	70
100	3000	200	300	399	551	702	894	1087
	4000	272	402	533	720	907	1173	1438
	4500	307	454	600	805	1010	1312	1614
	5000	346	503	660	887	1114	1441	1768
	6000	423	602	780	1051	1323	1699	2075

Condenser Temperature (°F)	Compressor Speed (RPM)	Evaporator Temperature (°F)						
		10	20	30	40	50	60	70
120	3000	184	269	353	486	619	813	1008
	4000	254	371	488	662	837	1077	1318
	4500	288	422	556	751	946	1209	1473
	5000	322	468	613	829	1044	1328	1612
	6000	390	559	729	985	1241	1565	1889

Condenser Temperature (°F)	Compressor Speed (RPM)	Evaporator Temperature (°F)						
		10	20	30	40	50	60	70
140	3000	169	236	304	426	549	734	918
	4000	222	325	428	596	764	1006	1249
	4500	248	369	490	680	871	1143	1415
	5000	281	415	548	755	962	1227	1491
	6000	345	506	666	906	1146	1395	1644

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**Performance Chart**  
**Model# Q Series 14-24**  
**Refrigerant: HFC-134a**  
**COEFFICIENT OF PERFORMANCE**

Condenser Temperature (°F)	Compressor Speed (RPM)	Evaporator Temperature (°F)						
		10	20	30	40	50	60	70
100	3000	1.39	2.01	2.63	3.66	4.68	6.59	8.50
	4000	1.49	2.09	2.69	3.66	4.63	6.48	8.33
	4500	1.54	2.13	2.71	3.66	4.60	6.42	8.24
	5000	1.55	2.12	2.69	3.61	4.52	6.21	7.91
	6000	1.57	2.12	2.66	3.51	4.36	5.80	7.23

Condenser Temperature (°F)	Compressor Speed (RPM)	Evaporator Temperature (°F)						
		10	20	30	40	50	60	70
120	3000	1.10	1.48	1.86	2.46	3.06	4.09	5.12
	4000	1.17	1.58	1.99	2.60	3.20	4.18	5.15
	4500	1.21	1.63	2.05	2.67	3.28	4.22	5.17
	5000	1.23	1.64	2.06	2.66	3.27	4.18	5.09
	6000	1.26	1.66	2.07	2.66	3.26	4.10	4.94

Condenser Temperature (°F)	Compressor Speed (RPM)	Evaporator Temperature (°F)						
		10	20	30	40	50	60	70
140	3000	0.82	1.06	1.30	1.73	2.15	2.79	3.43
	4000	0.85	1.15	1.44	1.89	2.34	3.00	3.67
	4500	0.87	1.19	1.51	1.97	2.43	3.11	3.79
	5000	0.90	1.21	1.53	1.98	2.43	3.04	3.64
	6000	0.95	1.26	1.57	2.01	2.44	2.89	3.33

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

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Performance Chart

Model# Q Series 14-24

Refrigerant: HFC-134a

INPUT POWER (WATTS)

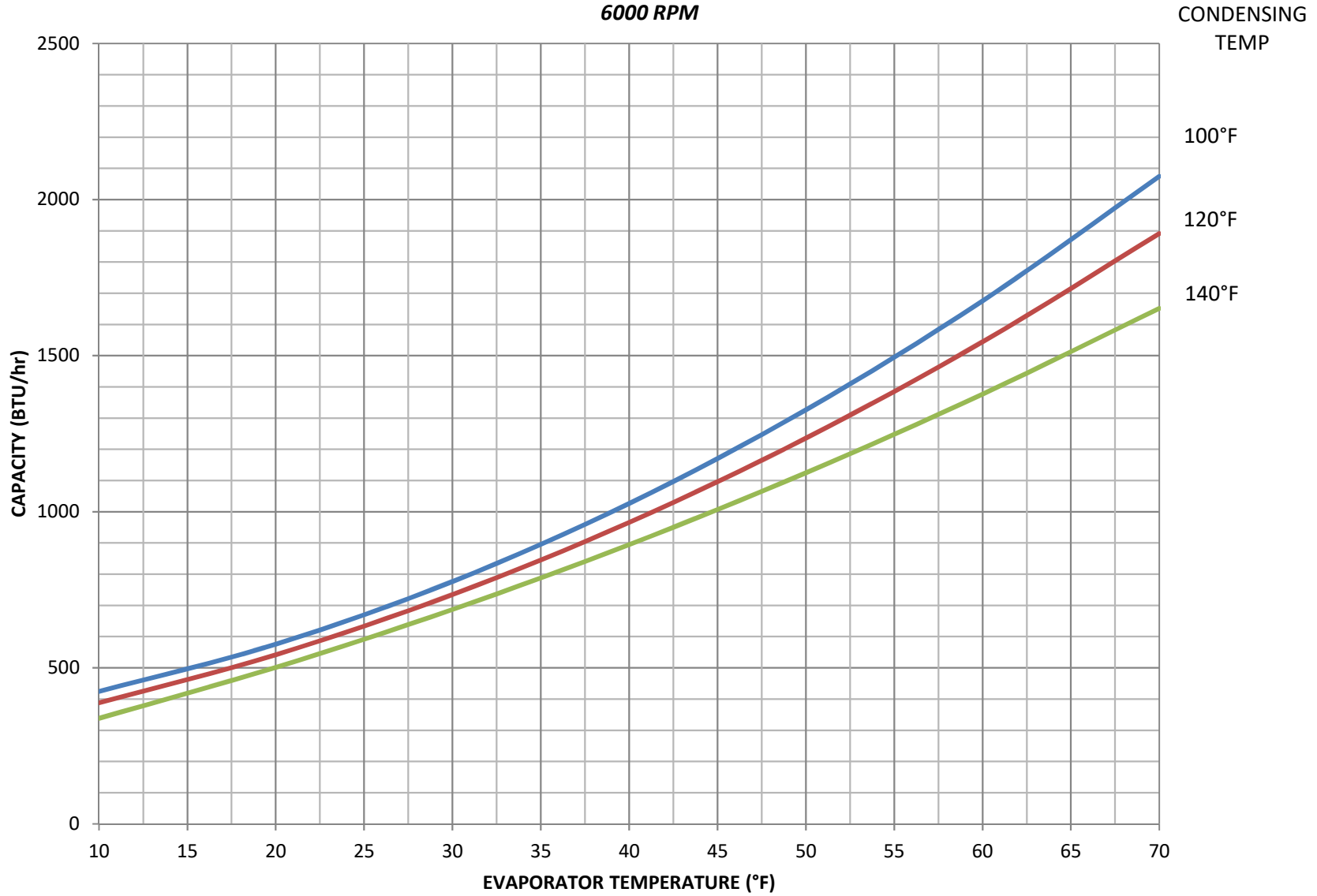
Condenser Temperature (°F)	Compressor Speed (RPM)	Evaporator Temperature (°F)						
		10	20	30	40	50	60	70
100	3000	42	44	44	44	44	40	37
	4000	53	56	58	58	57	53	51
	4500	58	62	65	64	64	60	57
	5000	65	69	72	72	72	68	65
	6000	79	83	86	88	89	86	84

Condenser Temperature (°F)	Compressor Speed (RPM)	Evaporator Temperature (°F)						
		10	20	30	40	50	60	70
120	3000	49	53	56	58	59	58	58
	4000	63	69	72	75	76	76	75
	4500	70	76	79	82	84	84	84
	5000	77	83	87	91	93	93	93
	6000	91	98	103	108	112	112	112

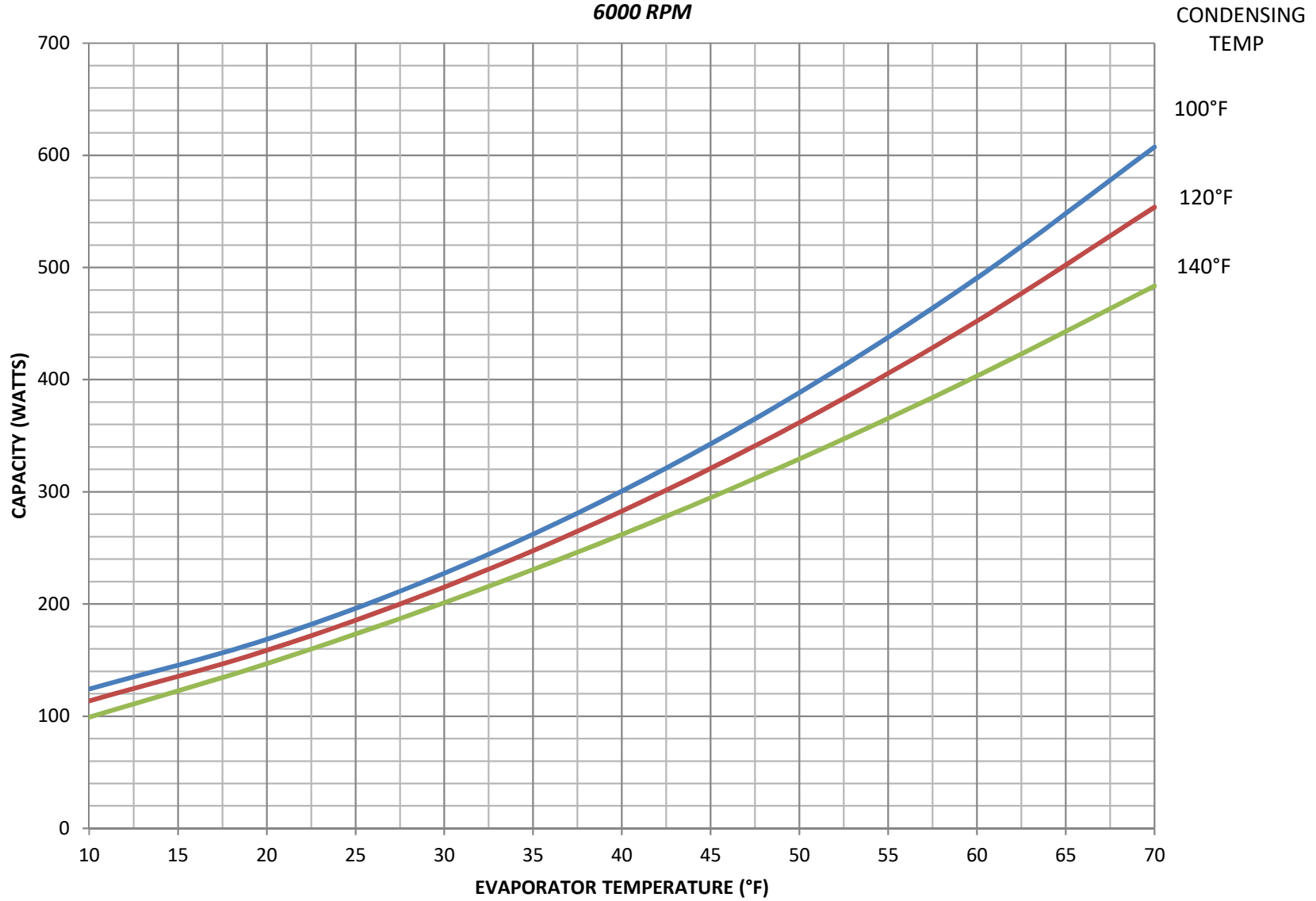
Condenser Temperature (°F)	Compressor Speed (RPM)	Evaporator Temperature (°F)						
		10	20	30	40	50	60	70
140	3000	60	65	68	72	75	77	78
	4000	76	83	87	92	96	98	100
	4500	84	91	95	101	105	108	109
	5000	92	100	105	112	116	118	120
	6000	106	118	124	132	137	142	145

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**ASPEN COMPRESSOR, LLC.**  
**Model # Q-Series 14-24**  
**HFC-134a**  
**6000 RPM**



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