

**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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**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