

*Aspen Compressor, LLC*

Performance Chart

Model# Q9-24-000X

Refrigerant: HFC-134a

INPUT POWER (WATTS)

Condenser Temperature (°F)	Compressor Speed (RPM)	Evaporator Temperature (°F)						
		10	20	30	40	50	60	70
100	3000	77	64	60	57	55	54	53
	4000	89	82	78	76	75	74	73
	4500	93	89	87	86	85	85	84
	5000	99	99	98	98	98	98	98
	6000	109	117	121	124	126	128	129

Condenser Temperature (°F)	Compressor Speed (RPM)	Evaporator Temperature (°F)						
		10	20	30	40	50	60	70
120	3000	69	73	76	78	79	80	80
	4000	89	95	98	101	103	105	106
	4500	97	105	109	113	115	117	118
	5000	105	114	120	124	127	130	131
	6000	121	133	141	148	153	156	159

Condenser Temperature (°F)	Compressor Speed (RPM)	Evaporator Temperature (°F)						
		10	20	30	40	50	60	70
140	3000	72	85	92	99	104	108	111
	4000	95	110	119	127	132	137	140
	4500	106	122	132	140	146	150	154
	5000	118	135	145	154	160	165	169
	6000	139	157	170	181	188	195	200

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

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**Model# Q9-24-000X**  
**Refrigerant: HFC-134a**  
**COEFFICIENT OF PERFORMANCE**

Condenser Temperature (°F)	Compressor Speed (RPM)	Evaporator Temperature (°F)						
		10	20	30	40	50	60	70
100	3000	0.93	1.77	2.61	3.76	4.91	6.43	7.96
	4000	1.13	1.90	2.66	3.71	4.76	6.14	7.53
	4500	1.23	1.96	2.69	3.68	4.68	6.00	7.31
	5000	1.30	1.97	2.65	3.57	4.49	5.71	6.93
	6000	1.42	1.99	2.56	3.34	4.11	5.14	6.17

Condenser Temperature (°F)	Compressor Speed (RPM)	Evaporator Temperature (°F)						
		10	20	30	40	50	60	70
120	3000	1.00	1.42	1.85	2.43	3.01	3.78	4.55
	4000	1.11	1.53	1.94	2.51	3.08	3.84	4.59
	4500	1.16	1.58	1.99	2.55	3.12	3.86	4.61
	5000	1.20	1.59	1.98	2.52	3.05	3.79	4.52
	6000	1.26	1.61	1.96	2.44	2.92	3.63	4.33

Condenser Temperature (°F)	Compressor Speed (RPM)	Evaporator Temperature (°F)						
		10	20	30	40	50	60	70
140	3000	0.81	1.07	1.32	1.67	2.01	2.47	2.92
	4000	0.82	1.09	1.36	1.73	2.10	2.59	3.08
	4500	0.82	1.10	1.38	1.76	2.15	2.65	3.16
	5000	0.86	1.13	1.41	1.77	2.14	2.63	3.12
	6000	0.94	1.20	1.45	1.80	2.14	2.60	3.06

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

**Aspen Compressor, LLC**

**Performance Chart**

**Model# Q9-24-000X**

**Refrigerant: HFC-134a**

**CAPACITY (WATTS)**

Condenser Temperature (°F)	Compressor Speed (RPM)	Evaporator Temperature (°F)						
		10	20	30	40	50	60	70
100	3000	72	114	156	213	270	346	422
	4000	101	155	209	283	356	454	552
	4500	115	175	235	317	400	508	617
	5000	129	194	260	349	439	558	677
	6000	156	232	309	414	518	657	796

Condenser Temperature (°F)	Compressor Speed (RPM)	Evaporator Temperature (°F)						
		10	20	30	40	50	60	70
120	3000	69	104	140	188	237	301	366
	4000	98	145	191	255	318	402	486
	4500	113	165	217	288	358	452	546
	5000	126	181	237	312	388	491	594
	6000	152	215	277	362	448	568	688

Condenser Temperature (°F)	Compressor Speed (RPM)	Evaporator Temperature (°F)						
		10	20	30	40	50	60	70
140	3000	58	90	122	166	209	267	324
	4000	78	120	162	220	278	355	431
	4500	87	135	182	247	312	399	485
	5000	102	153	204	273	343	435	527
	6000	131	188	246	325	404	508	612

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Performance Chart  
**Model# Q9-24-000X**  
**Refrigerant: HFC-134a**  
**CAPACITY (BTU/hr)**

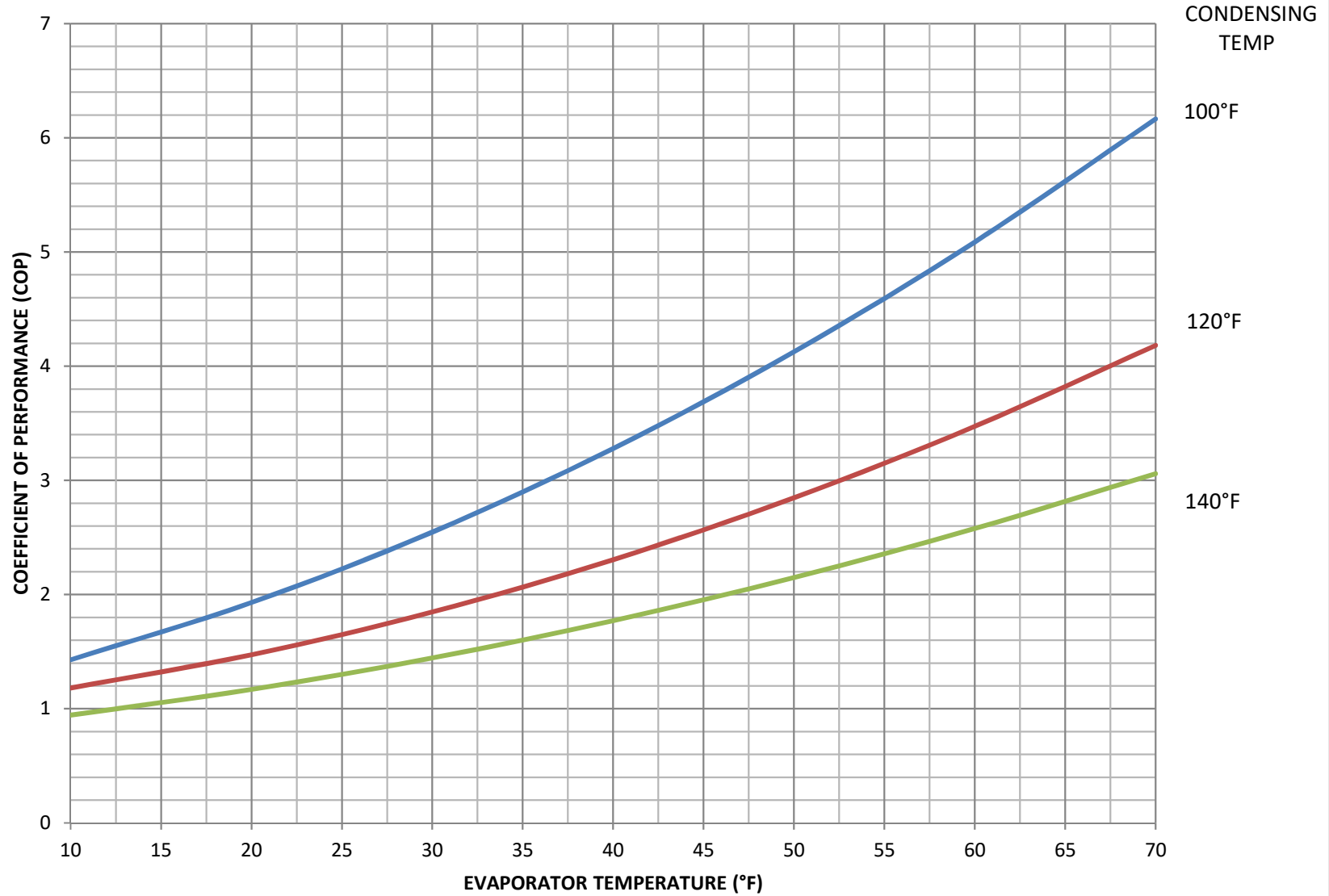
Condenser Temperature (°F)	Compressor Speed (RPM)	Evaporator Temperature (°F)						
		10	20	30	40	50	60	70
100	3000	245	388	531	727	922	1181	1440
	4000	343	528	713	965	1217	1551	1885
	4500	393	598	803	1084	1364	1736	2108
	5000	439	663	887	1194	1500	1905	2311
	6000	532	794	1056	1413	1770	2244	2717

Condenser Temperature (°F)	Compressor Speed (RPM)	Evaporator Temperature (°F)						
		10	20	30	40	50	60	70
120	3000	235	356	477	643	809	1029	1249
	4000	335	494	653	869	1086	1373	1660
	4500	386	563	740	982	1224	1545	1866
	5000	430	619	809	1067	1326	1677	2028
	6000	520	733	946	1237	1528	1940	2351

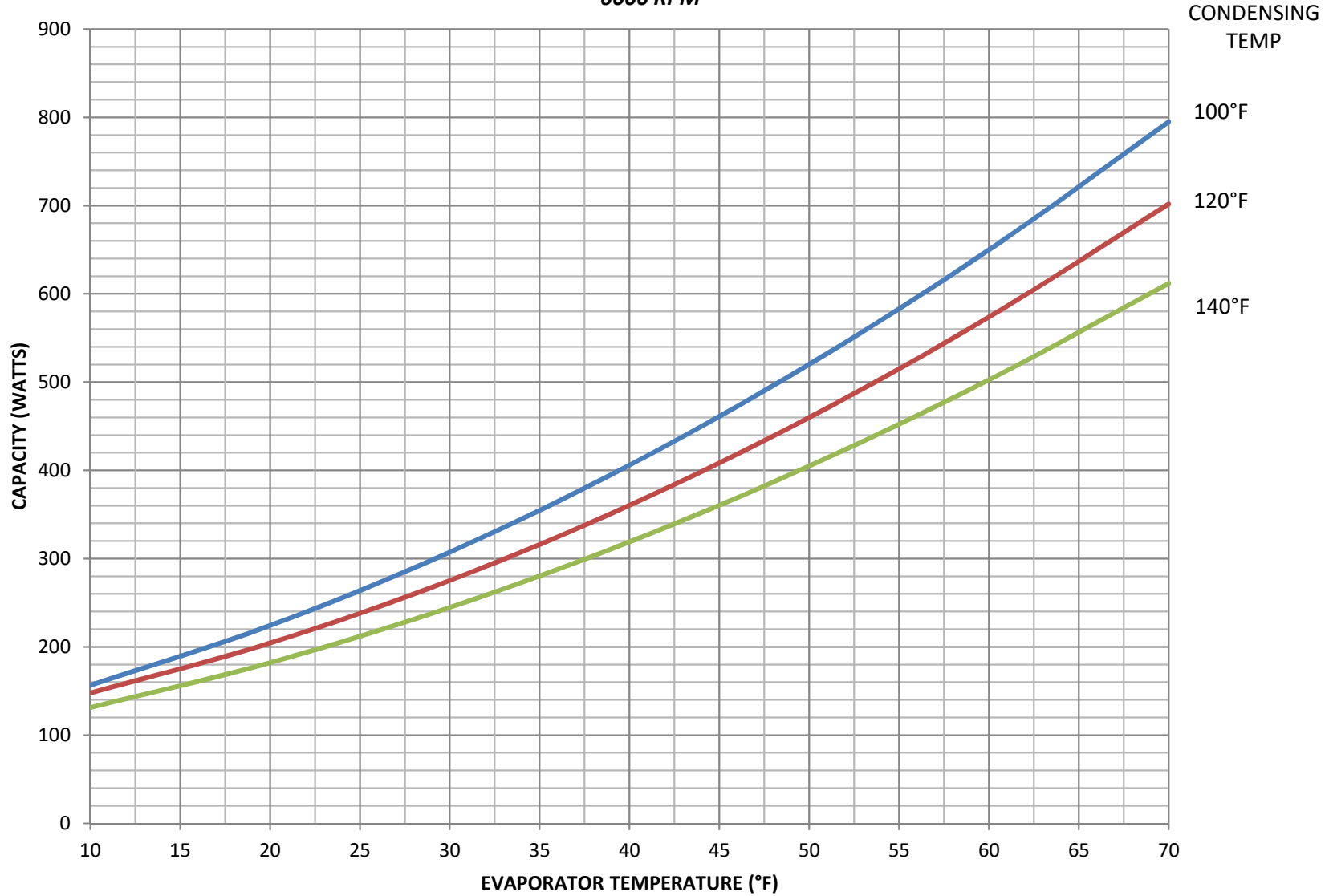
Condenser Temperature (°F)	Compressor Speed (RPM)	Evaporator Temperature (°F)						
		10	20	30	40	50	60	70
140	3000	200	308	417	565	714	911	1107
	4000	265	410	554	752	949	1211	1473
	4500	298	461	623	845	1067	1361	1655
	5000	348	522	696	933	1171	1486	1801
	6000	446	643	840	1109	1378	1735	2091

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**ASPEN COMPRESSOR, LLC.**  
**Model # Q9-24-000X**  
**HFC-134a**  
**6000 RPM**



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