

Aspen Compressor, LLC
Performance Chart
Model# 19-24-000X
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	0.81	1.26	1.70	2.32	2.93	3.74	4.55
	4000	1.00	1.43	1.85	2.43	3.01	3.78	4.54
	4500	1.10	1.51	1.92	2.49	3.05	3.79	4.54
	5000	1.12	1.52	1.91	2.44	2.97	3.70	4.42
	6000	1.17	1.52	1.87	2.35	2.82	3.51	4.19

Condenser Temperature (°F)	Compressor Speed (RPM)	Evaporator Temperature (°F)						
		10	20	30	40	50	60	70
140	3000	0.58	0.84	1.11	1.47	1.83	2.30	2.78
	4000	0.75	1.01	1.26	1.61	1.96	2.42	2.87
	4500	0.84	1.09	1.34	1.68	2.02	2.47	2.92
	5000	0.85	1.09	1.33	1.65	1.98	2.41	2.84
	6000	0.87	1.08	1.30	1.60	1.90	2.29	2.69

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 (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	197	329	461	641	821	1060	1299
	4000	312	477	642	867	1092	1391	1689
	4500	370	551	733	980	1228	1556	1884
	5000	414	609	805	1072	1339	1698	2056
	6000	501	725	949	1255	1561	1981	2400

Condenser Temperature (°F)	Compressor Speed (RPM)	Evaporator Temperature (°F)						
		10	20	30	40	50	60	70
140	3000	147	268	389	554	719	938	1157
	4000	258	406	555	757	960	1228	1496
	4500	314	476	638	859	1080	1373	1666
	5000	356	526	695	927	1159	1466	1773
	6000	440	625	811	1064	1317	1652	1987

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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	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	58	96	135	188	240	310	380
	4000	91	140	188	254	320	407	495
	4500	108	161	215	287	360	456	552
	5000	121	178	236	314	392	497	602
	6000	147	212	278	368	457	580	703

Condenser Temperature (°F)	Compressor Speed (RPM)	Evaporator Temperature (°F)						
		10	20	30	40	50	60	70
140	3000	43	78	114	162	211	275	339
	4000	76	119	162	222	281	360	438
	4500	92	139	187	252	316	402	488
	5000	104	154	204	271	339	429	519
	6000	129	183	237	311	386	484	582

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Performance Chart
Model# 19-24-000X
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INPUT POWER (WATTS)

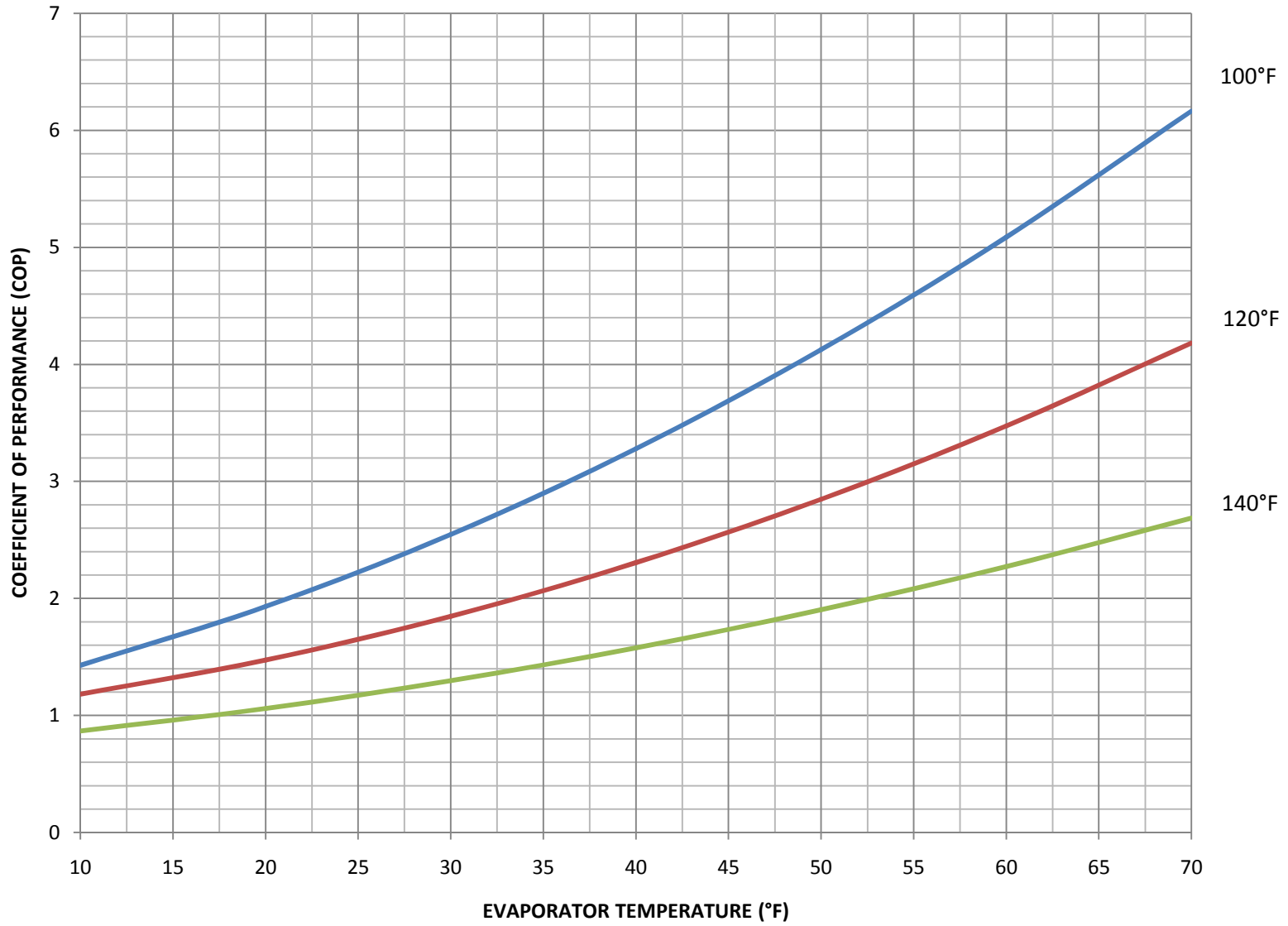
Condenser Temperature (°F)	Compressor Speed (RPM)	Evaporator Temperature (°F)						
		10	20	30	40	50	60	70
100	3000	77	64	60	57	55	54	53
	4000	89	82	78	76	75	74	73
	4500	93	89	87	86	85	85	84
	5000	99	99	98	98	98	98	98
	6000	109	117	121	124	126	128	129

Condenser Temperature (°F)	Compressor Speed (RPM)	Evaporator Temperature (°F)						
		10	20	30	40	50	60	70
120	3000	71	77	79	81	82	83	84
	4000	91	98	102	105	106	108	109
	4500	99	107	112	115	118	120	122
	5000	108	118	124	129	132	134	136
	6000	125	139	149	157	162	165	168

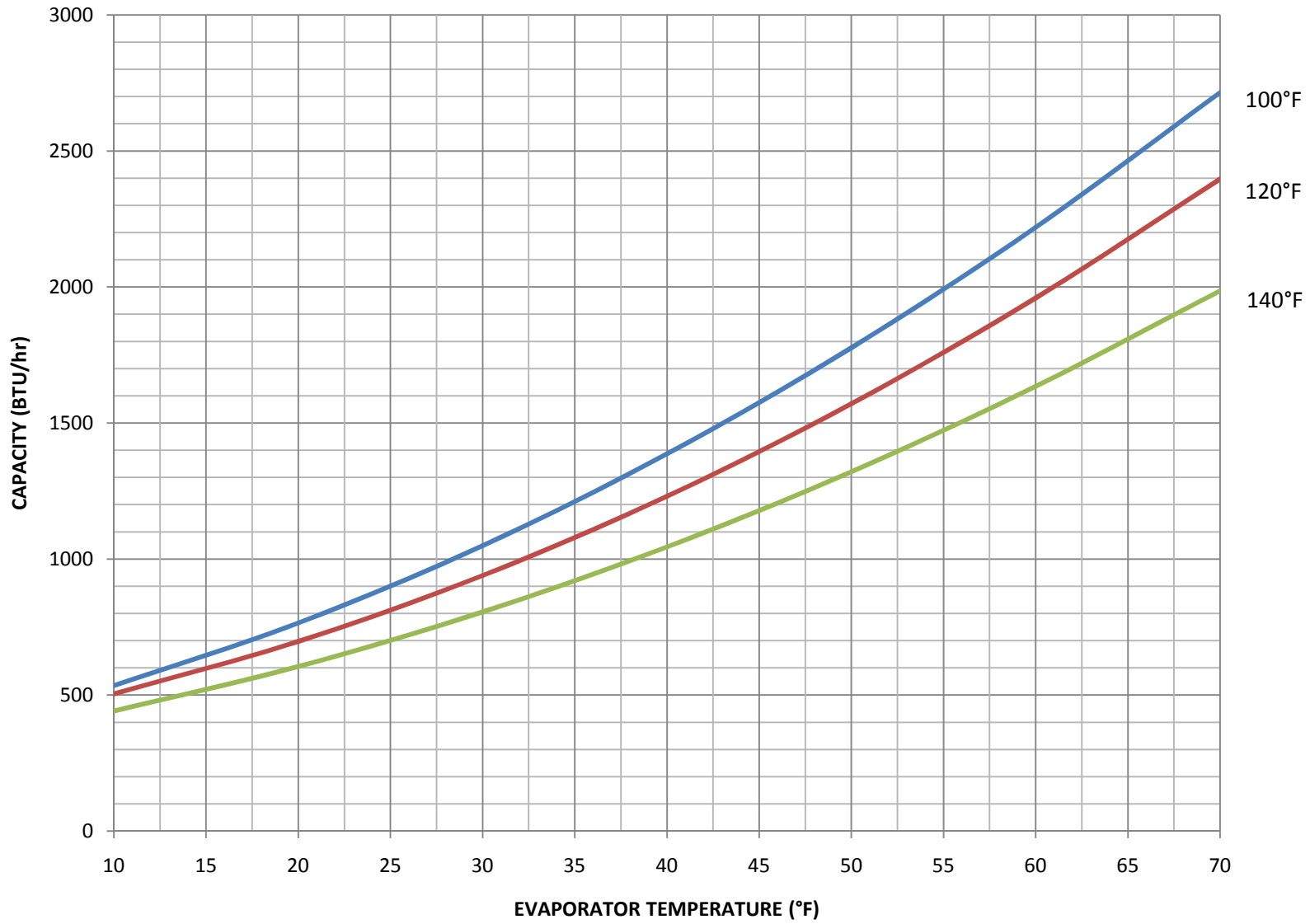
Condenser Temperature (°F)	Compressor Speed (RPM)	Evaporator Temperature (°F)						
		10	20	30	40	50	60	70
140	3000	74	93	103	111	115	119	122
	4000	100	118	129	138	144	149	152
	4500	109	128	139	150	157	163	167
	5000	123	141	153	164	171	178	183
	6000	149	169	182	195	203	211	216

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6000 RPM



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