

Aspen Compressor, LLC

Performance Chart
#Aspen 14-24-000X

COEFFICIENT OF PERFORMANCE (COP)

Condenser Temperature (°F)	Compressor Speed (RPM)	Evaporator Temperature (°F)								
		30	35	40	45	50	55	60	65	70
80	3000	2.83	3.50	4.17	4.83	5.50	6.52	7.53	8.55	9.57
	4000	3.13	3.77	4.40	5.03	5.67	6.64	7.61	8.58	9.56
	4500	3.28	3.90	4.52	5.13	5.75	6.70	7.65	8.60	9.55
	5000	3.35	3.93	4.52	5.11	5.69	6.46	7.22	7.98	8.75
	6000	3.47	4.00	4.53	5.05	5.58	5.97	6.36	6.75	7.14

Condenser Temperature (°F)	Compressor Speed (RPM)	Evaporator Temperature (°F)								
		30	35	40	45	50	55	60	65	70
100	3000	2.22	2.70	3.18	3.67	4.15	4.83	5.52	6.20	6.88
	4000	2.46	2.93	3.41	3.88	4.35	5.01	5.67	6.33	6.99
	4500	2.58	3.05	3.52	3.98	4.45	5.10	5.75	6.40	7.05
	5000	2.63	3.07	3.51	3.94	4.38	4.92	5.46	6.00	6.54
	6000	2.72	3.10	3.48	3.87	4.25	4.57	4.88	5.20	5.52

Condenser Temperature (°F)	Compressor Speed (RPM)	Evaporator Temperature (°F)								
		30	35	40	45	50	55	60	65	70
120	3000	1.60	1.90	2.20	2.50	2.80	3.15	3.50	3.85	4.20
	4000	1.79	2.10	2.41	2.72	3.03	3.38	3.73	4.08	4.43
	4500	1.88	2.20	2.52	2.83	3.15	3.50	3.85	4.20	4.55
	5000	1.91	2.20	2.49	2.78	3.07	3.39	3.70	4.02	4.33
	6000	1.96	2.20	2.44	2.68	2.92	3.16	3.41	3.65	3.89

Condenser Temperature (°F)	Compressor Speed (RPM)	Evaporator Temperature (°F)								
		30	35	40	45	50	55	60	65	70
140	3000	1.02	1.20	1.38	1.57	1.75	1.93	2.12	2.30	2.48
	4000	1.09	1.30	1.51	1.71	1.92	2.12	2.32	2.52	2.72
	4500	1.13	1.35	1.57	1.78	2.00	2.21	2.42	2.63	2.84
	5000	1.16	1.37	1.57	1.78	1.98	2.19	2.40	2.60	2.81
	6000	1.22	1.40	1.58	1.77	1.95	2.15	2.35	2.55	2.75

Condenser Temperature (°F)	Compressor Speed (RPM)	Evaporator Temperature (°F)								
		30	35	40	45	50	55	60	65	70
160	3000	0.43	0.50	0.57	0.63	0.70	0.72	0.73	0.75	0.77
	4000	0.40	0.50	0.60	0.70	0.80	0.85	0.90	0.96	1.01
	4500	0.38	0.50	0.62	0.73	0.85	0.92	0.99	1.06	1.13
	5000	0.41	0.53	0.65	0.77	0.89	0.99	1.09	1.19	1.29
	6000	0.47	0.60	0.73	0.85	0.98	1.14	1.29	1.45	1.61

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

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