

## *Aspen Compressor, LLC*

Performance Chart  
**Model# 14-24-XXXX**  
**Refrigerant: R-290**  
**CAPACITY (WATTS)**

Condenser Temperature (°C)	Compressor Speed (RPM)	Evaporator Temperature (°C)									
		-20	-15	-10	-5	0	5	10	15	20	
35	2000	42	62	82	102	123	154	186	218	249	
	3000	68	95	123	154	187	231	278	329	379	
	4000	99	131	166	208	251	305	373	446	517	
	5000	127	167	209	262	316	386	469	562	658	
	6000	157	202	254	316	386	469	562	674	802	

Condenser Temperature (°C)	Compressor Speed (RPM)	Evaporator Temperature (°C)									
		-20	-15	-10	-5	0	5	10	15	20	
43	2000	34	50	66	87	108	136	169	204	235	
	3000	57	78	103	135	167	209	256	308	353	
	4000	86	111	146	187	231	286	344	411	471	
	5000	114	146	189	239	294	361	433	516	591	
	6000	143	183	234	292	357	435	523	623	713	

Condenser Temperature (°C)	Compressor Speed (RPM)	Evaporator Temperature (°C)									
		-20	-15	-10	-5	0	5	10	15	20	
50	2000			58	80	103	129	155	183	216	
	3000		68	92	123	156	193	232	275	325	
	4000		104	131	169	211	258	310	367	433	
	5000		134	171	216	266	322	387	458	541	
	6000		168	212	265	322	386	465	550	649	

Note: all data points are with 5K Superheat and 5K Subcooling with R-290

Over Discharge Temperature Limit

## *Aspen Compressor, LLC*

Performance Chart  
**Model# 14-24-XXXX**  
**Refrigerant: R-290**  
**Input Power (WATTS)**

Condenser Temperature (°C)	Compressor Speed (RPM)	Evaporator Temperature (°C)								
		-20	-15	-10	-5	0	5	10	15	20
35	2000	46	47	48	49	48	45	41	36	31
	3000	62	63	64	64	64	61	57	51	46
	4000	78	79	80	81	81	77	73	67	62
	5000	95	97	98	101	100	96	91	85	80
	6000	113	117	119	120	119	116	111	106	101

Condenser Temperature (°C)	Compressor Speed (RPM)	Evaporator Temperature (°C)								
		-20	-15	-10	-5	0	5	10	15	20
43	2000	53	56	59	61	62	62	59	55	49
	3000	69	72	74	76	77	77	75	70	65
	4000	85	89	93	95	96	95	93	88	82
	5000	104	109	113	116	119	117	115	109	103
	6000	125	131	136	139	142	141	139	133	125

Condenser Temperature (°C)	Compressor Speed (RPM)	Evaporator Temperature (°C)								
		-20	-15	-10	-5	0	5	10	15	20
50	2000			69	72	75	77	76	74	69
	3000		83	88	91	94	96	95	92	88
	4000		103	108	112	114	116	115	112	108
	5000		125	132	136	139	140	139	137	132
	6000		149	158	164	168	169	167	164	159

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Over Discharge Temperature Limit

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Condenser Temperature (°C)	Compressor Speed (RPM)	Evaporator Temperature (°C)									
		-20	-15	-10	-5	0	5	10	15	20	
35	2000	#REF!	1.32	1.72	2.11	2.56	3.41	4.50	6.13	8.14	
	3000	1.11	1.52	1.93	2.39	2.93	3.79	4.91	6.47	8.23	
	4000	1.27	1.67	2.07	2.56	3.09	3.95	5.11	6.64	8.30	
	5000	1.34	1.72	2.13	2.60	3.17	4.03	5.14	6.58	8.18	
	6000	1.39	1.73	2.14	2.63	3.24	4.04	5.04	6.38	7.96	

Condenser Temperature (°C)	Compressor Speed (RPM)	Evaporator Temperature (°C)									
		-20	-15	-10	-5	0	5	10	15	20	
43	2000	0.65	0.89	1.11	1.43	1.76	2.20	2.86	3.71	4.77	
	3000	0.83	1.09	1.39	1.77	2.17	2.71	3.43	4.37	5.45	
	4000	1.00	1.24	1.57	1.97	2.40	3.00	3.71	4.65	5.73	
	5000	1.10	1.34	1.67	2.06	2.48	3.08	3.77	4.71	5.76	
	6000	1.14	1.40	1.73	2.10	2.51	3.08	3.76	4.67	5.71	

Condenser Temperature (°C)	Compressor Speed (RPM)	Evaporator Temperature (°C)									
		-20	-15	-10	-5	0	5	10	15	20	
50	2000			0.85	1.11	1.38	1.68	2.05	2.49	3.14	
	3000		0.81	1.05	1.34	1.66	2.02	2.45	2.98	3.71	
	4000		1.01	1.21	1.51	1.84	2.22	2.68	3.27	4.01	
	5000		1.07	1.30	1.58	1.91	2.30	2.78	3.36	4.09	
	6000		1.12	1.34	1.61	1.91	2.29	2.78	3.36	4.09	

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