

Aspen Compressor, LLC

Performance Chart
Model# H76-24-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	217	321	425	529	632	796	959	1123	1286
	3000	352	489	636	796	965	1189	1435	1699	1953
	4000	509	677	855	1074	1292	1575	1923	2299	2664
	5000	657	860	1079	1349	1630	1989	2417	2898	3395
	6000	809	1041	1311	1628	1993	2417	2899	3477	4134

Condenser Temperature (°C)	Compressor Speed (RPM)	Evaporator Temperature (°C)								
		-20	-15	-10	-5	0	5	10	15	20
43	2000	176	257	338	448	558	699	872	1052	1212
	3000	294	404	532	694	861	1077	1321	1587	1819
	4000	441	572	752	965	1189	1474	1777	2120	2427
	5000	589	751	977	1235	1516	1860	2233	2660	3046
	6000	737	946	1208	1507	1842	2246	2696	3213	3678

Condenser Temperature (°C)	Compressor Speed (RPM)	Evaporator Temperature (°C)									
		-20	-15	-10	-5	0	5	10	15	20	
50	2000	Over Discharge Temperature Limit		301	410	532	664	799	946	1116	
	3000			476	632	805	996	1198	1418	1674	
	4000	Over Discharge Temperature Limit		536	675	871	1086	1328	1597	1891	2232
	5000			690	881	1115	1371	1661	1997	2364	2790
	6000			865	1092	1364	1660	1993	2396	2837	3348

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

Over Discharge Temperature Limit

48v Model Required To Operate Here

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Performance Chart
 Model# H76-24-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	240	257	263	266	258	250	227	195	160
	3000	315	332	339	342	334	324	299	266	231
	4000	404	422	430	433	426	412	382	347	312
	5000	501	520	531	534	528	508	474	436	399
	6000	606	625	642	645	637	612	577	536	498

Condenser Temperature (°C)	Compressor Speed (RPM)	Evaporator Temperature (°C)								
		-20	-15	-10	-5	0	5	10	15	20
43	2000	265	297	313	321	326	320	306	278	246
	3000	358	391	410	419	424	417	400	369	333
	4000	462	495	519	530	537	526	504	466	422
	5000	573	606	632	645	651	639	616	573	523
	6000	686	723	749	761	765	756	735	688	636

Condenser Temperature (°C)	Compressor Speed (RPM)	Evaporator Temperature (°C)									
		-20	-15	-10	-5	0	5	10	15	20	
50	2000	Over Discharge Temperature Limit		358	384	406	409	397	379	346	
	3000			474	501	521	524	512	492	457	
	4000	Over Discharge Temperature Limit		570	596	623	642	643	631	607	569
	5000			697	723	747	766	770	758	730	689
	6000			827	853	874	892	899	892	863	817

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Refrigerant: R-290

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Condenser Temperature (°C)	Compressor Speed (RPM)	Evaporator Temperature (°C)								
		-20	-15	-10	-5	0	5	10	15	20
35	2000	0.90	1.25	1.61	1.99	2.45	3.18	4.22	5.74	8.03
	3000	1.12	1.47	1.88	2.33	2.89	3.67	4.80	6.39	8.47
	4000	1.26	1.60	1.99	2.48	3.03	3.82	5.03	6.62	8.53
	5000	1.31	1.65	2.03	2.53	3.09	3.92	5.10	6.65	8.51
	6000	1.34	1.67	2.04	2.53	3.13	3.95	5.03	6.49	8.30

Condenser Temperature (°C)	Compressor Speed (RPM)	Evaporator Temperature (°C)								
		-20	-15	-10	-5	0	5	10	15	20
43	2000	0.67	0.87	1.08	1.40	1.71	2.18	2.85	3.78	4.93
	3000	0.82	1.03	1.30	1.66	2.03	2.58	3.30	4.30	5.47
	4000	0.96	1.16	1.45	1.82	2.22	2.80	3.52	4.55	5.75
	5000	1.03	1.24	1.55	1.92	2.33	2.91	3.62	4.65	5.82
	6000	1.07	1.31	1.61	1.98	2.41	2.97	3.67	4.67	5.78

Condenser Temperature (°C)	Compressor Speed (RPM)	Evaporator Temperature (°C)								
		-20	-15	-10	-5	0	5	10	15	20
50	2000			0.84	1.07	1.31	1.63	2.01	2.50	3.23
	3000			1.00	1.26	1.55	1.90	2.34	2.88	3.66
	4000		0.94	1.13	1.40	1.69	2.07	2.53	3.12	3.92
	5000		0.99	1.22	1.49	1.79	2.16	2.64	3.24	4.05
	6000		1.05	1.28	1.56	1.86	2.22	2.69	3.29	4.10

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