

## *Aspen Compressor, LLC*

Performance Chart  
**Model# Q4-24-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# Q4-24-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	42	43	44	44	44	41	38	32	28
	3000	56	57	58	59	58	55	52	46	42
	4000	71	72	73	74	74	70	66	61	57
	5000	86	88	89	91	91	87	83	78	73
	6000	103	106	108	109	108	105	101	96	92

Condenser Temperature (°C)	Compressor Speed (RPM)	Evaporator Temperature (°C)								
		-20	-15	-10	-5	0	5	10	15	20
43	2000	48	51	54	55	56	56	54	50	45
	3000	62	65	68	69	70	70	68	64	59
	4000	77	81	84	86	87	87	84	80	75
	5000	95	99	103	106	108	106	104	99	93
	6000	114	119	123	127	129	129	126	121	114

Condenser Temperature (°C)	Compressor Speed (RPM)	Evaporator Temperature (°C)								
		-20	-15	-10	-5	0	5	10	15	20
50	2000			63	65	68	70	69	67	63
	3000		76	80	83	85	87	86	84	80
	4000		93	98	102	104	106	105	102	98
	5000		114	120	124	126	127	127	124	120
	6000		136	144	149	153	153	152	149	144

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Over Discharge Temperature Limit

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Performance Chart  
 Model# Q4-24-XXXX  
 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	#REF!	1.45	1.89	2.32	2.81	3.75	4.95	6.74	8.95	
	3000	1.22	1.67	2.13	2.63	3.22	4.17	5.40	7.12	9.05	
	4000	1.40	1.84	2.28	2.81	3.40	4.34	5.62	7.31	9.13	
	5000	1.48	1.90	2.34	2.86	3.49	4.43	5.65	7.24	9.00	
	6000	1.52	1.91	2.35	2.90	3.57	4.44	5.55	7.02	8.75	

Condenser Temperature (°C)	Compressor Speed (RPM)	Evaporator Temperature (°C)									
		-20	-15	-10	-5	0	5	10	15	20	
43	2000	0.71	0.98	1.22	1.57	1.93	2.42	3.15	4.08	5.24	
	3000	0.91	1.20	1.53	1.94	2.38	2.98	3.78	4.81	6.00	
	4000	1.11	1.37	1.73	2.17	2.64	3.30	4.08	5.12	6.30	
	5000	1.21	1.47	1.84	2.26	2.72	3.39	4.15	5.19	6.33	
	6000	1.25	1.54	1.90	2.31	2.77	3.39	4.14	5.14	6.28	

Condenser Temperature (°C)	Compressor Speed (RPM)	Evaporator Temperature (°C)									
		-20	-15	-10	-5	0	5	10	15	20	
50	2000			0.93	1.22	1.52	1.85	2.25	2.74	3.45	
	3000		0.90	1.15	1.48	1.83	2.22	2.69	3.28	4.08	
	4000		1.11	1.33	1.66	2.03	2.44	2.95	3.59	4.42	
	5000		1.18	1.43	1.74	2.10	2.53	3.05	3.69	4.50	
	6000		1.24	1.48	1.77	2.10	2.52	3.06	3.70	4.49	

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