



300 and 900 Series: Ultra Low Temperatures (kW)

	Model	320	340	900	901	902	903	904	905
Connection Size		3/8"	3/8"	3/8"	1/2"	5/8"	7/8"	1-1/8"	1-3/8"
Refrigerant	Temp °C	kW @ -17.78°C Condensing 5.6°C Superheat 0°C Subcooling							
R-23	-40	11.01	22.02	14.80	27.54	39.60	55.08	99.13	150.73
	-45.56	8.86	17.71	11.90	22.15	31.86	44.30	79.73	121.24
	-51.11	7.07	14.14	9.50	17.68	25.42	35.35	63.63	96.74
	-56.67	5.56	11.13	7.48	13.92	20.01	27.83	50.09	76.17
	-62.22	4.34	8.68	5.83	10.85	15.61	21.70	39.06	59.39
	-67.78	3.33	6.67	4.48	8.33	11.99	16.67	30.00	45.62
	-73.33	2.52	5.04	3.39	6.30	9.06	12.60	22.68	34.48
	-78.89	1.88	3.75	2.52	4.69	6.75	9.39	16.89	25.68
	-84	1.36	2.72	1.83	3.40	4.89	6.80	12.24	18.61

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Refrigerant	Temp °C	kW @ -17.78°C Condensing 5.6° Superheat 0 Subcooling							
R-170	-40	10.72	21.43	14.40	26.80	38.54	53.60	96.46	146.67
	-45.56	8.82	17.65	11.86	22.07	31.74	44.14	79.44	120.79
	-51.11	7.21	14.41	9.69	18.02	25.92	36.05	64.88	98.64
	-56.67	5.83	11.66	7.84	14.58	20.97	29.16	52.49	79.81
	-62.22	4.67	9.34	6.27	11.67	16.79	23.35	42.02	63.89
	-67.78	3.69	7.39	4.97	9.24	13.29	18.48	33.26	50.57
	-73.33	2.89	5.77	3.88	7.22	10.38	14.44	25.99	39.51
	-78.89	2.22	4.45	2.99	5.56	8.00	11.12	20.02	30.44
	-84	1.69	3.37	2.27	4.22	6.07	8.44	15.18	23.09

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Refrigerant	Temp °C	kW @ -23.33°C Condensing 5.6°C Superheat 0°C Subcooling							
R-508A	-40	12.09	24.17	16.24	30.23	43.47	60.45	108.80	165.43
	-45.56	9.71	19.42	13.05	24.29	34.93	48.57	87.42	132.92
	-51.11	7.74	15.47	10.40	19.35	27.82	38.69	69.64	105.88
	-56.67	6.10	12.20	8.20	15.26	21.94	30.52	54.92	83.51
	-62.22	4.76	9.51	6.39	11.90	17.11	23.79	42.82	65.11
	-67.78	3.66	7.32	4.92	9.16	13.17	18.31	32.96	50.11
	-73.33	2.78	5.56	3.73	6.95	9.99	13.90	25.01	38.03
	-78.89	2.08	4.15	2.79	5.19	7.46	10.38	18.68	28.41
	-84	1.52	3.05	2.05	3.81	5.48	7.62	13.71	20.84

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Connection Size		3/8"	3/8"	3/8"	1/2"	5/8"	7/8"	1-1/8"	1-3/8"
Refrigerant	Temp °C	kW @ -28.89°C Condensing 5.6°C Superheat 0°C Subcooling							
R-508B	-45.56	10.56	21.13	14.20	26.42	37.99	52.84	95.09	144.59
	-51.11	8.43	16.85	11.33	21.08	30.31	42.15	75.86	115.35
	-56.67	6.65	13.31	8.94	16.64	23.93	33.29	59.90	91.09
	-62.22	5.19	10.39	6.98	12.99	18.68	25.97	46.74	71.08
	-67.78	3.93	7.86	5.28	9.83	14.13	19.66	35.38	53.79
	-73.33	3.03	6.07	4.08	7.59	10.92	15.18	27.32	41.54
	-78.89	2.26	4.53	3.04	5.66	8.14	11.33	20.38	30.99
	-84	1.66	3.32	2.23	4.15	5.96	8.29	14.92	22.69
-90	1.19	2.38	1.60	2.97	4.27	5.94	10.70	16.27	

SELECT OIL SEPARATOR WITH CONNECTION SIZE NO LESS THAN DISCHARGE LINE SIZE.

300 and 900 Series Ultra Low Temperatures Notes:

1. kW = Capacity based on Condensing Temperature stated in the chart, 5.6°C Superheat, 0°C Subcooling.
2. For applications other than reciprocating compressors, (scroll, screw type, 2-stage) please contact Temprite engineering at temprite@temprite.com.