

Powered by Copeland Scroll

- Factory applied "Blue Coil Coat" corrosion protection
- Reliable and efficient Copeland ZF scroll compressors
- Generous low noise level condensers
- Fully wired in a waterproof powder coated enclosure



R404A

2.0 8.0 HP

LOW TEMP

Model	Amb (°C)	Capacity (kW)							Power Input (kW)						
		Evaporating Temperature (°C)							Evaporating Temperature (°C)						
		-40	-35	-30	-25	-20	-15	-10	-40	-35	-30	-25	-20	-15	-10
CZF200	32	1.05	1.33	1.66	2.04	2.48	2.98	3.54	1.56	1.64	1.72	1.82	1.93	2.05	2.19
	38	0.94	1.19	1.49	1.83	2.23	2.67	3.19	1.73	1.81	1.89	1.99	2.09	2.22	2.35
	43	0.84	1.07	1.33	1.64	2.00	2.41	2.88	1.90	1.97	2.05	2.14	2.25	2.37	2.50
CZF300	32	1.38	1.76	2.18	2.67	3.23	3.86	4.56	1.96	2.00	2.06	2.15	2.26	2.39	2.55
	38	1.24	1.57	1.95	2.38	2.89	3.45	4.09	2.18	2.22	2.28	2.36	2.46	2.60	2.75
	43	1.10	1.41	1.75	2.14	2.58	3.09	3.68	2.40	2.43	2.48	2.56	2.66	2.79	2.94
CZF350	32	1.79	2.28	2.83	3.46	4.19	5.01	5.97	2.27	2.32	2.39	2.49	2.62	2.77	2.95
	38	1.61	2.05	2.54	3.11	3.76	4.51	5.37	2.49	2.54	2.62	2.72	2.84	3.00	3.18
	43	1.44	1.84	2.28	2.79	3.38	4.06	4.85	2.70	2.75	2.82	2.93	3.05	3.21	3.39
CZF400	32	2.05	2.65	3.34	4.15	5.08	6.13	7.32	2.21	2.30	2.40	2.52	2.67	2.83	3.02
	38	1.87	2.39	3.00	3.71	4.55	5.51	6.61	2.48	2.57	2.68	2.81	2.95	3.12	3.30
	43	1.72	2.16	2.69	3.34	4.10	4.97	5.99	2.73	2.83	2.94	3.07	3.22	3.39	3.57
CZF500	32	2.47	3.20	4.01	4.95	6.02	7.23	8.60	2.99	3.16	3.35	3.55	3.78	4.03	4.32
	38	2.23	2.86	3.58	4.41	5.35	6.44	7.67	3.31	3.50	3.69	3.91	4.14	4.40	4.70
	43	2.04	2.59	3.21	3.94	4.79	5.77	6.89	3.61	3.81	4.02	4.24	4.48	4.74	5.04
CZF600	32	3.01	3.82	4.74	5.78	6.97	8.32	9.86	3.65	3.82	4.00	4.22	4.46	4.73	5.04
	38	2.70	3.42	4.23	5.16	6.22	7.45	8.83	4.00	4.17	4.37	4.59	4.84	5.12	5.43
	43	2.41	3.06	3.79	4.62	5.57	6.68	7.94	4.33	4.51	4.71	4.94	5.19	5.47	5.79
CZF800	32	3.69	4.62	5.77	7.10	8.57	10.16	11.83	3.84	4.25	4.64	5.03	5.48	6.00	6.62
	38	3.35	4.16	5.17	6.35	7.67	9.10	10.61	4.08	4.55	4.98	5.43	5.92	6.48	7.13
	43	3.08	3.77	4.66	5.72	6.92	8.22	9.57	4.28	4.80	5.29	5.78	6.30	6.89	7.58

Note: The rating condition is based on a suction superheat of 10 K, Subcool with the limits of the condensing unit.

R407F

2.0 8.0 HP

LOW TEMP

Model	Amb (°C)	Capacity (kW)					Power Input (kW)				
		Evaporating Temperature (°C)					Evaporating Temperature (°C)				
		-40	-35	-30	-25	-20	-40	-35	-30	-25	-20
CZF200	32	0.95	1.23	1.57	1.96	2.40	1.48	1.52	1.60	1.70	1.81
	38	0.87	1.13	1.44	1.80	2.21	1.68	1.72	1.80	1.90	2.02
	43	0.79	1.03	1.32	1.65	2.03	1.88	1.92	2.00	2.11	2.24
CZF300	32	1.25	1.57	2.00	2.50	3.02	1.93	1.98	2.07	2.19	2.29
	38	1.14	1.44	1.84	2.31	2.78	2.17	2.24	2.35	2.47	2.58
	43	1.05	1.33	1.72	2.15	2.58	2.40	2.50	2.63	2.77	2.89
CZF350	32	1.62	2.02	2.59	3.26	3.97	2.20	2.26	2.38	2.53	2.65
	38	1.48	1.86	2.39	3.01	3.65	2.47	2.56	2.70	2.86	3.00
	43	1.37	1.73	2.23	2.80	3.39	2.75	2.86	3.02	3.20	3.35
CZF400	32	1.90	2.37	3.03	3.84	4.77	2.01	2.13	2.25	2.39	2.53
	38	1.77	2.16	2.75	3.51	4.40	2.34	2.45	2.58	2.72	2.87
	43	1.65	1.97	2.51	3.22	4.07	2.68	2.79	2.91	3.05	3.20
CZF500	32	2.33	2.83	3.55	4.46	5.52	2.80	2.97	3.17	3.39	3.59
	38	2.14	2.57	3.23	4.08	5.08	3.15	3.35	3.59	3.83	4.07
	43	1.94	2.33	2.93	3.74	4.69	3.50	3.75	4.02	4.28	4.55
CZF600	32	2.81	3.42	4.29	5.37	6.60	3.38	3.57	3.83	4.14	4.44
	38	2.59	3.13	3.93	4.93	6.10	3.84	4.03	4.32	4.64	4.96
	43	2.38	2.86	3.60	4.55	5.65	4.27	4.48	4.76	5.10	5.44
CZF800	32	3.49	4.24	5.31	6.62	8.14	4.14	4.38	4.73	5.14	5.54
	38	3.21	3.87	4.85	6.07	7.51	4.72	4.97	5.34	5.78	6.20
	43	2.93	3.53	4.44	5.59	6.94	5.27	5.53	5.90	6.36	6.80

Note: The rating condition is based on a suction superheat of 10 K, Subcool with the limits of the condensing unit.

R448A / R449A

2.0 8.0 HP

LOW TEMP

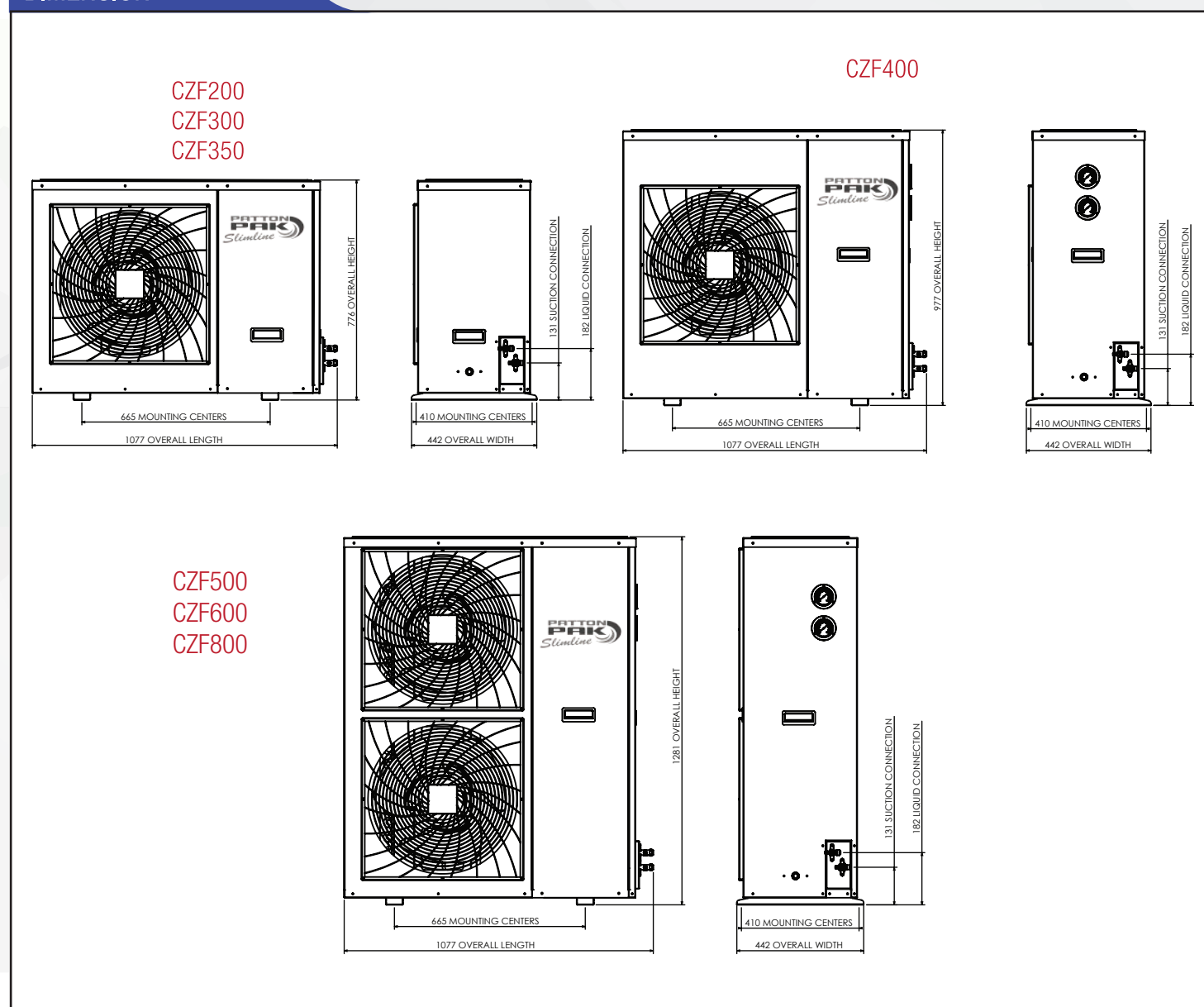
Model	Amb (°C)	Capacity (kW)							Power Input (kW)						
		Evaporating Temperature (°C)							Evaporating Temperature (°C)						
		-40	-35	-30	-25	-20	-15	-10	-40	-35	-30	-25	-20	-15	-10
CZF200	32	0.98	1.24	1.58	1.98	2.45	2.99	3.61	0.67	0.69	0.71	0.75	0.80	0.86	0.93
	38	0.91	1.16	1.47	1.85	2.29	2.79	3.36	0.76	0.78	0.81	0.84	0.90	0.95	1.03
	43	0.86	1.09	1.38	1.73	2.14	2.62	3.15	0.85	0.87	0.90	0.94	0.99	1.05	1.12
CZF300	32	1.28	1.64	2.07	2.58	3.16	3.82	4.55	1.85	1.91	1.99	2.09	2.22	2.37	2.55
	38	1.19	1.52	1.92	2.38	2.92	3.52	4.19	2.14	2.20	2.27	2.38	2.50	2.65	2.82
	43	1.11	1.42	1.78	2.21	2.70	3.25		2.44	2.49	2.57	2.66	2.78	2.92	
CZF350	32	1.66	2.11	2.66	3.30	4.06	4.92	5.90	2.01	2.07	2.15	2.26	2.40	2.57	2.77
	38	1.54	1.96	2.47	3.07	3.76	4.56	5.47	2.30	2.36	2.45	2.56	2.70	2.86	3.06
	43	1.43	1.83	2.30	2.85	3.50	4.24	5.08	2.61	2.67	2.75	2.86	2.99	3.15	3.35
CZF400	32	1.85	2.51	3.21	4.01	4.94	6.05	7.37	2.77	2.69	2.69	2.73	2.80	2.89	2.97
	38	1.69	2.29	2.93	3.66	4.51	5.53	6.74	3.32	3.20	3.15	3.16	3.21	3.28	3.36
	43	1.53	2.08	2.66	3.33	4.10	5.04	6.16	3.89	3.72	3.63	3.60	3.62	3.67	3.74
CZF500	32	2.46	3.29	4.15	5.09	6.19	7.49	9.04	3.75	3.74	3.79	3.91	4.05	4.22	4.38
	38	2.40	3.16	3.93	4.79	5.78	6.95	8.35	4.45	4.40	4.42	4.50	4.62	4.78	4.93
	43	2.38	3.07	3.76	4.52	5.41	6.46	7.74	5.17	5.08	5.06	5.11	5.21	5.34	5.47
CZF600	32	2.69	3.61	4.56	5.60	6.81	8.23	9.93	4.64	4.56	4.58	4.67	4.79	4.96	5.13
	38	2.38	3.25	4.12	5.07	6.15	7.43	8.98	5.43	5.30	5.26	5.31	5.41	5.55	5.71
	43	2.06	2.89	3.69	4.56	5.53	6.70		6.23	6.03	5.94	5.94	6.01	6.13	
CZF800	32	3.32	4.36	5.54	6.88	8.39	10.08	11.94	4.83	5.06	5.34	5.66	6.03	6.44	6.90
	38	3.00	3.95	5.03	6.24	7.60	9.12	10.79	5.45	5.71	6.01	6.36	6.75	7.20	7.68
	43	2.71	3.58	4.55	5.65	6.88			6.04	6.32	6.64	7.01	7.43		

Note: The rating condition is based on a suction superheat of 10 K, Subcool with the limits of the condensing unit.

TECHNICAL DATA

		CZF200	CZF300	CZF350	CZF400	CZF500	CZF600	CZF800
Compressor	MODEL	ZF06KQE-TFD	ZF09KQE-TFD	ZF11KQE-TFD	ZF13KQE-TFD	ZF15KQE-TFD	ZF18KQE-TFD	ZF25KQE-TFD
	Rated Input Volt.	AC 380-420V/3PH/50Hz						
	RLA Amps	2.97	4.28	5.4	5.24	6.45	6.59	8.05
	MCC Amps	5	6	7.1	8	10.0	12.5	16.6
	LRA Amps	26	40	46	51.5	64	74	102
	Oil Type	POE(32cSt)						
	Oil Precharge (L)	0.6						
	Oil Quantity (L)	1.3	1.45	1.45	1.89	1.89	1.89	1.89
Condenser	Air Flow (m ³ /h)	4520	4520	4490	5130	6500	6500	6380
	Fan Motor	1x20"	1x20"	1x20"	1x20"	2x18"	2x18"	2x18"
	Total Fan Power (W)	236	236	236	236	472	472	472
	Receiver (L)	4.7	4.7	4.7	4.7	4.7	7.9	7.9
	Accumulator (L)	1.9	1.9	1.9	1.9	4.6	4.6	4.6
	Suction Tube Size	3/4"	3/4"	3/4"	3/4"	7/8"	7/8"	7/8"
	Liquid Tube Size	3/8"	3/8"	3/8"	3/8"	1/2"	1/2"	1/2"
Weight (kg)		87	89	90	108	99	129	188

DIMENSION



Products, specifications and technical data contained in this document are subject to change without prior notice.