

Powered by Copeland Scroll

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



R404A

2.0 7.5 HP

MEDIUM TEMP

Model	Amb (°C)	Capacity (kW)						Power Input (kW)					
		Evaporating Temperature (°C)						Evaporating Temperature (°C)					
		-20	-15	-10	-5	0	5	-20	-15	-10	-5	0	5
CZB200	32	2.45	2.99	3.58	4.23	4.92	5.66	1.95	1.97	1.98	1.99	2.02	2.06
	38	2.12	2.62	3.16	3.74	4.36	5.03	2.29	2.29	2.28	2.29	2.30	2.33
	43	1.81	2.28	2.78	3.31	3.88	4.48	2.64	2.63	2.60	2.59	2.58	2.59
CZB250	32	3.26	3.93	4.68	5.51	6.44	7.45	2.06	2.10	2.14	2.19	2.24	2.30
	38	2.96	3.57	4.25	5.00	5.85	6.76	2.33	2.37	2.42	2.47	2.52	2.57
	43	2.69	3.24	3.86	4.55	5.32	6.17	2.59	2.64	2.69	2.73	2.78	2.83
CZB300	32	3.86	4.64	5.52	6.49	7.55	8.72	2.47	2.52	2.58	2.65	2.72	2.79
	38	3.49	4.20	4.99	5.86	6.83	7.88	2.81	2.87	2.93	2.99	3.06	3.13
	43	3.17	3.81	4.53	5.32	6.21	7.16	3.12	3.19	3.25	3.31	3.38	3.46
CZB350	32	4.42	5.30	6.28	7.35	8.53	9.79	2.92	3.01	3.09	3.18	3.28	3.38
	38	3.98	4.78	5.65	6.63	7.69	8.82	3.33	3.41	3.50	3.59	3.69	3.80
	43	3.59	4.32	5.11	5.99	6.95	7.99	3.72	3.80	3.89	3.98	4.08	4.18
CZB400	32	5.01	5.99	7.08	8.25	9.52	10.90	3.39	3.49	3.60	3.72	3.86	3.99
	38	4.50	5.38	6.35	7.39	8.55	9.78	3.86	3.97	4.09	4.21	4.34	4.48
	43	4.05	4.84	5.71	6.66	7.70	8.83	4.31	4.43	4.54	4.67	4.79	4.92
CZB500	32	6.46	7.74	9.16	10.73	12.44	14.29	4.33	4.45	4.57	4.70	4.85	5.00
	38	5.82	6.98	8.26	9.66	11.21	12.86	4.92	5.03	5.16	5.30	5.44	5.59
	43	5.25	6.30	7.46	8.73	10.12	11.64	5.47	5.59	5.72	5.86	6.00	6.15
CZB600	32	7.38	8.83	10.40	12.13	13.99	15.99	5.00	5.15	5.32	5.49	5.69	5.89
	38	6.63	7.92	9.34	10.88	12.55	14.36	5.67	5.83	6.00	6.18	6.38	6.57
	43	5.95	7.12	8.40	9.80	11.32	12.94	6.32	6.49	6.66	6.83	7.01	7.22
CZB750	32	8.31	9.96	11.79	13.78	15.97	18.34	5.29	5.44	5.59	5.76	5.94	6.13
	38	7.49	8.98	10.62	12.43	14.38	16.54	6.01	6.16	6.33	6.49	6.68	6.86
	43	6.76	8.10	9.59	11.22	13.01	14.97	6.70	6.86	7.03	7.20	7.37	7.55

Note: The rating condition is based on a suction return gas 20°C, Subcool with the limits of the condensing unit.

Powered by Copeland Scroll

R407F

2.0 7.5 HP

MEDIUM TEMP

Model	Amb (°C)	Capacity (kW)						Power Input (kW)					
		Evaporating Temperature (°C)						Evaporating Temperature (°C)					
		-20	-15	-10	-5	0	5	-20	-15	-10	-5	0	5
CZB200	32		2.58	3.19	3.86	4.57	5.34		1.98	2.03	2.09	2.15	2.22
	38			2.74	3.36	4.02	4.72			2.37	2.42	2.49	2.56
	43												
CZB250	32	2.70	3.40	4.17	5.01	5.97	7.03	2.06	2.11	2.18	2.26	2.34	2.41
	38			3.73	4.54	5.44	6.43			2.49	2.58	2.67	2.76
	43				4.09	4.94					2.86	2.97	
CZB300	32		4.04	4.95	5.96	7.05	8.25		2.54	2.64	2.75	2.87	2.98
	38			4.39	5.34	6.36	7.47			3.02	3.15	3.28	3.41
	43				4.75						3.50		
CZB350	32		4.53	5.54	6.67	7.88	9.23		3.04	3.18	3.33	3.50	3.67
	38			4.89	5.95	7.09				3.61	3.79	3.99	
	43												
CZB400	32		5.23	6.49	7.86	9.34	10.94		3.32	3.52	3.71	3.91	4.12
	38			5.78	7.08					3.91	4.14		
	43												
CZB500	32	5.41	6.86	8.47	10.25	12.21	14.36	4.29	4.43	4.59	4.78	5.00	5.26
	38		6.09	7.61	9.30	11.15			4.73	4.84	4.99	5.16	
	43												
CZB600	32	6.36	7.91	9.66	11.62	13.77	16.13	4.97	5.22	5.47	5.73	6.05	6.41
	38			8.83						6.25			
	43												
CZB750	32	7.11	9.11	11.30	13.67	16.24	19.00	5.32	5.70	6.04	6.38	6.71	7.06
	38		7.98	10.05	12.27	14.67			6.36	6.79	7.18	7.56	
	43												

Note: The rating condition is based on a suction return gas 20°C, Subcool with the limits of the condensing unit.

Powered by Copeland Scroll

R448A / R449A

2.0 7.5 HP

MEDIUM TEMP

Model	Amb (°C)	Capacity (kW)						Power Input (kW)						
		Evaporating Temperature (°C)						Evaporating Temperature (°C)						
		-20	-15	-10	-5	0	5	-20	-15	-10	-5	0	5	
CZB200	32	2.25	2.82	3.45	4.14	4.90	5.72	1.81	1.84	1.88	1.93	2.00	2.09	
	38		2.53	3.10	3.73	4.42	5.17		2.16	2.20	2.24	2.30	2.38	
	43		2.25	2.78	3.36	3.99	4.68		2.48	2.51	2.55	2.60	2.67	
CZB250	32	2.75	3.42	4.19	5.06	6.02	7.07	1.81	1.84	1.89	1.95	2.03	2.13	
	38		3.13	3.83	4.63	5.51	6.48		2.12	2.17	2.22	2.30	2.39	
	43		2.87	3.51	4.24	5.04	5.94		2.41	2.44	2.49	2.56	2.65	
CZB300	32	3.43	4.25	5.17	6.19	7.32	8.55	2.29	2.36	2.45	2.55	2.67	2.81	
	38		3.15	3.91	4.76	5.70	6.73	7.87	2.64	2.72	2.81	2.91	3.04	3.17
	43		2.89	3.60	4.40	5.26	6.22	7.25	2.98	3.06	3.14	3.26	3.37	3.52
CZB350	32	3.81	4.72	5.74	6.88	8.13	9.52	2.68	2.77	2.88	3.00	3.13	3.27	
	38		4.33	5.28	6.35	7.53	8.82		3.13	3.24	3.36	3.49	3.62	
	43		4.02	4.92	5.92	7.02	8.25		3.47	3.57	3.69	3.81	3.94	
CZB400	32	4.45	5.43	6.54	7.78	9.14	10.63	3.00	3.15	3.30	3.46	3.65	3.85	
	38		5.05	6.06	7.20	8.45	9.82		3.59	3.75	3.92	4.11	4.31	
	43				6.71	7.88	9.14				4.35	4.53	4.73	
CZB500	32	5.41	6.86	8.47	10.25	12.21	14.36	4.29	4.43	4.59	4.78	5.00	5.26	
	38		6.09	7.61	9.30	11.15			4.73	4.84	4.99	5.16		
	43													
CZB600	32	6.36	7.91	9.66	11.62	13.77	16.13	4.97	5.22	5.47	5.73	6.05	6.41	
	38			8.83						6.25				
	43													
CZB750	32	7.11	9.11	11.30	13.67	16.24	19.00	5.32	5.70	6.04	6.38	6.71	7.06	
	38		7.98	10.05	12.27	14.67			6.36	6.79	7.18	7.56		
	43													

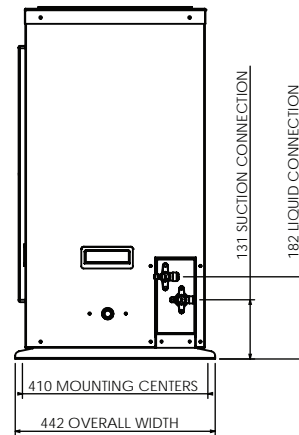
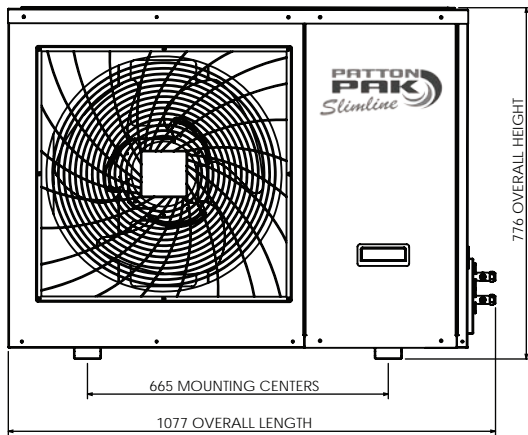
Note: The rating condition is based on a suction return gas 20°C, Subcool with the limits of the condensing unit.

TECHNICAL DATA

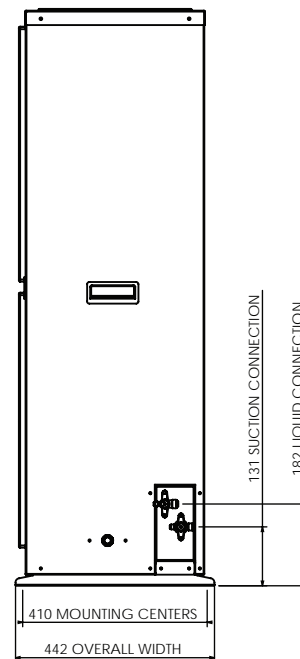
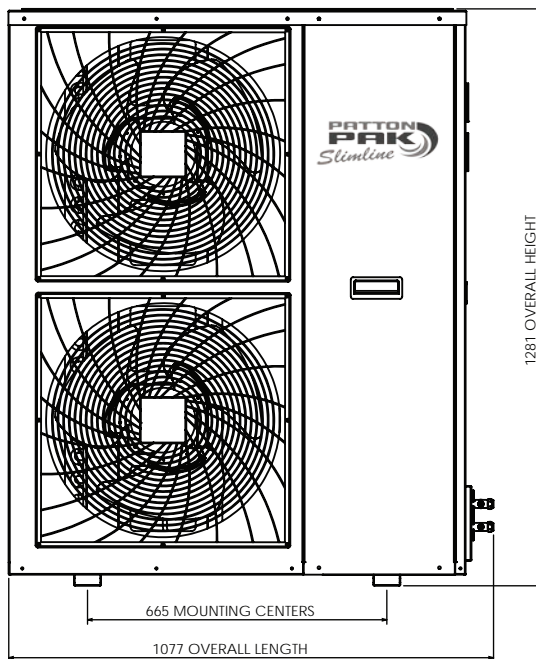
MODEL NAME		CZB200	CZB250	CZB300	CZB350	CZB400	CZB500	CZB600	CZB750
Compressor	MODEL	ZB15KQE-TFD	ZB19KQE-TFD	ZB21KQE-TFD	ZB26KQE-TFD	ZB29KQE-TFD	ZB38KQE-TFD	ZB45KQE-TFD	ZB48KQE-TFD
	Rated Input Volt.	AC 380-420V/3PH/50Hz							
	RLA Amps	3.25	4.42	4.54	5.86	7.24	6.81	9.53	9.53
	MCC Amps	4.90	6.50	7.15	8.90	10.00	12.80	13.10	14.00
	LRA Amps	26	32	40	46	50	65.5	74	101
	Oil Type	POE(32cSt)							
	Oil Precharge (L)	0.6							
Oil Quantity (L)	1.24	1.36	1.45	1.45	1.36	2.07	1.9	1.8	
Condenser	Air Flow (m ³ /h)	4520	4490	4450	4450	4450	6370	6370	8750
	Fan Motor	1x20"	1x20"	1x20"	1x20"	1x20"	2x18"	2x18"	2x20"
	Total Fan Power (W)	236	236	236	236	236	472	472	472
	Receiver (L)	4.7	4.7	4.7	4.7	4.7	7.9	7.9	7.9
	Suction Tube Size	3/4"	3/4"	3/4"	3/4"	7/8"	7/8"	7/8"	7/8"
	Liquid Tube Size	3/8"	3/8"	3/8"	1/2"	1/2"	1/2"	1/2"	1/2"
Weight (kg)	77	79	81	82	87	119	121	123	

DIMENSION

CZB200
CZB250
CZB300
CZB350
CZB400



CZB500
CZB600
CZB750



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

Powered by Copeland Scroll

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



R404A

3.0 7.5 HP

MEDIUM TEMP

Model	Amb (°C)	Capacity (kW)						Power Input (kW)					
		Evaporating Temperature (°C)						Evaporating Temperature (°C)					
		-20	-15	-10	-5	0	5	-20	-15	-10	-5	0	5
CZBD300	32	3.83	4.63	5.52	6.51	7.59	8.72	2.17	2.28	2.39	2.49	2.59	2.68
	38	3.51	4.27	5.10	5.99	6.94	7.93	2.41	2.53	2.65	2.77	2.88	2.98
	43	3.21	3.92	4.69	5.50	6.32	7.19	2.63	2.77	2.90	3.03	3.15	3.24
CZBD399	32	5.31	6.35	7.52	8.80	10.24	11.82	2.71	2.87	3.00	3.14	3.27	3.42
	38	4.83	5.78	6.82	7.97	9.27	10.68	3.06	3.24	3.40	3.55	3.70	3.86
	43	4.42	5.26	6.19	7.24	8.41	9.69	3.42	3.64	3.82	3.99	4.14	4.31
CZBD400	32	5.28	6.32	7.47	8.76	10.16	11.72	3.08	3.24	3.38	3.51	3.66	3.81
	38	4.82	5.75	6.77	7.93	9.19	10.59	3.42	3.62	3.79	3.93	4.09	4.25
	43	4.39	5.23	6.15	7.18	8.33	9.60	3.80	4.02	4.21	4.38	4.54	4.71
CZBD500	32	6.46	7.71	9.10	10.63	12.29	14.07	3.89	4.13	4.38	4.63	4.88	5.13
	38	5.92	7.05	8.29	9.65	11.14	12.72	4.26	4.51	4.77	5.04	5.31	5.58
	43	5.46	6.47	7.58	8.80	10.11	11.54	4.61	4.87	5.15	5.42	5.71	5.98
CZBD600	32	7.51	8.93	10.49	12.16	13.98	15.91	4.67	4.97	5.29	5.63	5.96	6.30
	38	6.87	8.13	9.50	10.99	12.60	14.28	5.12	5.44	5.79	6.14	6.49	6.85
	43	6.32	7.43	8.65	9.95	11.37	12.87	5.56	5.89	6.24	6.61	6.98	7.35
CZBD750	32	8.59	10.24	12.06	14.08	16.24	18.56	4.99	5.31	5.64	5.98	6.32	6.67
	38	7.88	9.36	10.99	12.76	14.70	16.74	5.47	5.81	6.16	6.52	6.88	7.26
	43	7.26	8.58	10.03	11.62	13.34	15.18	5.93	6.29	6.65	7.02	7.40	7.78

Note: The rating condition is based on a suction return gas 20°C, Subcool with the limits of the condensing unit.

Powered by Copeland Scroll

R407F

3.0 7.5 HP

MEDIUM TEMP

Model	Amb (°C)	Capacity (kW)						Power Input (kW)					
		Evaporating Temperature (°C)						Evaporating Temperature (°C)					
		-20	-15	-10	-5	0	5	-20	-15	-10	-5	0	5
CZBD300	32	3.18	4.07	5.04	6.09	7.23	8.46	2.25	2.32	2.41	2.51	2.62	2.73
	38	2.66	3.54	4.47	5.47	6.53	7.70	2.57	2.65	2.76	2.87	3.00	3.12
	43	2.16	3.02	3.92	4.87	5.89	6.98	2.84	2.94	3.06	3.20	3.34	3.47
CZBD399	32	4.77	5.93	7.19	8.62	10.24	12.10	2.97	3.07	3.19	3.32	3.46	3.61
	38	4.32	5.39	6.57	7.87	9.37	11.09	3.44	3.55	3.67	3.82	3.96	4.12
	43	3.92	4.93	6.02	7.24	8.63	10.23	3.89	4.01	4.15	4.29	4.44	4.61
CZBD400	32	4.75	5.90	7.15	8.56	10.16	12.01	3.35	3.45	3.57	3.71	3.86	4.01
	38	4.30	5.37	6.53	7.82	9.29	10.99	3.81	3.93	4.06	4.21	4.37	4.53
	43	3.90	4.91	5.98	7.19	8.55	10.13	4.27	4.40	4.54	4.69	4.85	5.02
CZBD500	32	5.93	7.22	8.65	10.24	12.00	13.92	3.56	3.89	4.22	4.54	4.86	5.18
	38	5.56	6.76	8.07	9.54	11.15	12.90	3.81	4.19	4.57	4.94	5.31	5.67
	43	5.23	6.37	7.60	8.96	10.45	12.08	4.01	4.43	4.85	5.26	5.67	6.07
CZBD600	32	6.35	8.09	9.96	11.95	14.01	16.11	4.33	4.70	5.12	5.58	6.08	6.61
	38	5.16	6.96	8.85	10.81	12.79	14.79	4.76	5.16	5.62	6.12	6.67	7.24
	43	3.95	5.79	7.72	9.66	11.65	13.59	5.14	5.58	6.06	6.61	7.18	7.79
CZBD750	32	7.76	10.00	12.51	15.33	18.51	22.03	5.98	6.00	5.99	5.99	6.04	6.19
	38	6.79	8.81	11.15	13.77	16.76	20.08	6.98	7.07	7.08	7.09	7.12	7.22
	43	6.08	7.89	10.00	12.44	15.22	18.39	7.88	8.02	8.09	8.11	8.14	8.21

Note: The rating condition is based on a suction return gas 20°C, Subcool with the limits of the condensing unit.

Powered by Copeland Scroll

R448A / R449A

3.0 7.5 HP

MEDIUM TEMP

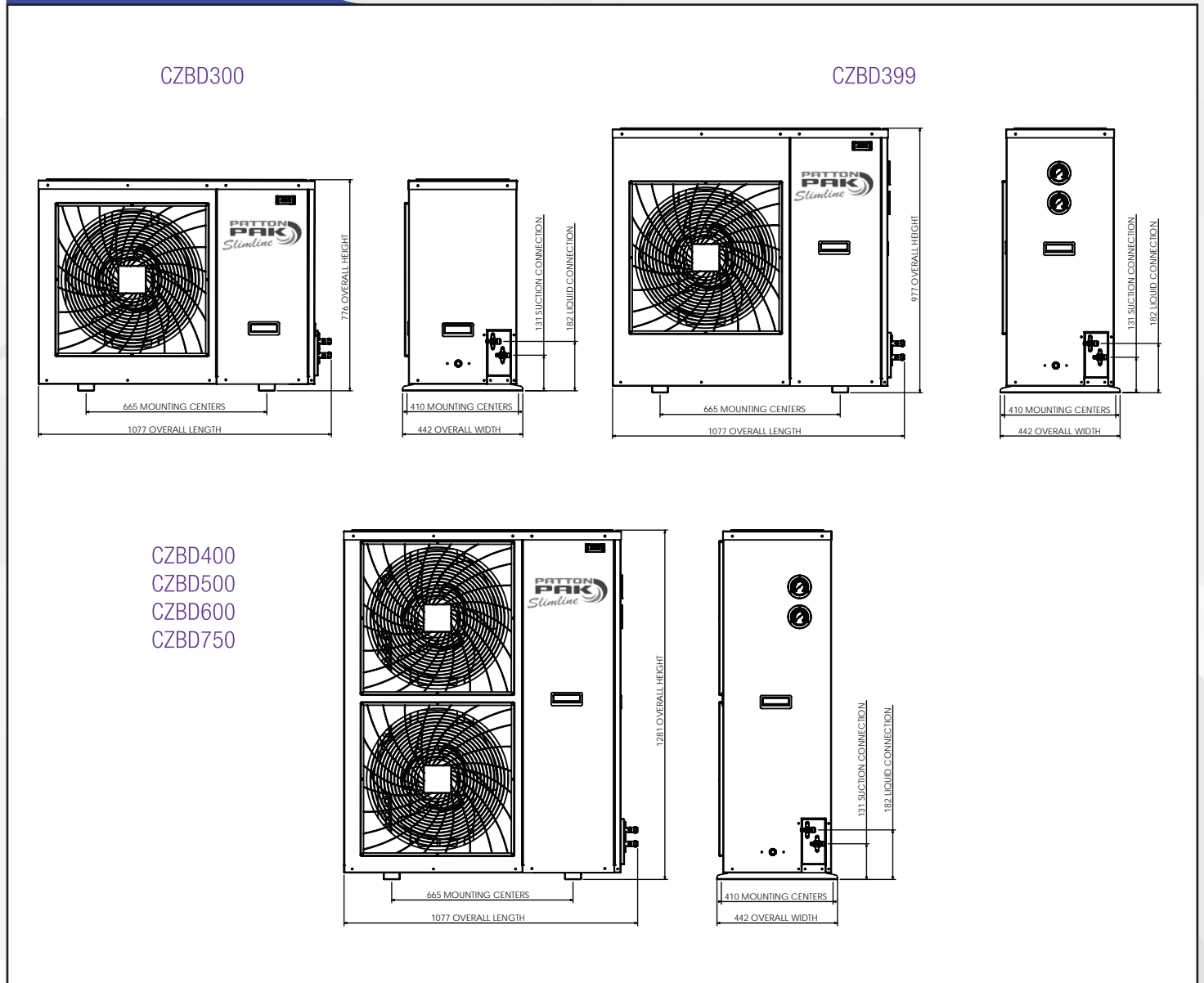
Model	Amb (°C)	Capacity (kW)						Power Input (kW)					
		Evaporating Temperature (°C)						Evaporating Temperature (°C)					
		-20	-15	-10	-5	0	5	-20	-15	-10	-5	0	5
CZBD300	32	3.51	4.33	5.26	6.29	7.43	8.68	2.03	2.19	2.35	2.53	2.72	2.94
	38		4.03	4.89	5.84	6.89	8.05		2.44	2.62	2.81	3.01	3.23
	43		3.76	4.56	5.45	6.43	7.51		2.69	2.88	3.08	3.29	3.52
CZBD399	32	4.83	5.87	7.05	8.37	9.83	11.45	2.45	2.65	2.83	3.01	3.19	3.38
	38		5.45	6.52	7.73	9.08	10.56		2.90	3.14	3.35	3.56	3.78
	43		5.08	6.07	7.18	8.41	9.78		3.09	3.38	3.64	3.89	4.14
CZBD400	32	4.81	5.84	7.01	8.31	9.78	11.37	2.81	3.02	3.20	3.39	3.57	3.77
	38		5.42	6.48	7.68	9.01	10.46		3.27	3.51	3.73	3.95	4.18
	43		5.05	6.03	7.13	8.34	9.69		3.46	3.76	4.02	4.28	4.53
CZBD500	32	5.85	7.25	8.79	10.50	12.36	14.39	3.56	3.85	4.16	4.48	4.84	5.23
	38		6.70	8.15	9.73	11.46	13.35		4.29	4.63	4.99	5.36	5.77
	43		6.22	7.57	9.05	10.68	12.43		4.69	5.08	5.47	5.87	6.30
CZBD600	32	6.72	8.32	10.07	11.96	14.02	16.22	4.06	4.44	4.82	5.24	5.68	6.18
	38		7.67	9.29	11.04	12.94	14.97		4.93	5.37	5.83	6.31	6.83
	43		7.09	8.62	10.25	12.02	13.90		5.40	5.88	6.38	6.90	7.45
CZBD750	32	7.84	9.73	11.86	14.21	16.80	19.64	4.18	4.53	4.86	5.24	5.64	6.11
	38		9.01	11.00	13.19	15.60	18.27		5.04	5.43	5.83	6.28	6.72
	43		8.37	10.25	12.31	14.57	17.08		5.55	5.98	6.41	6.87	7.35

Note: The rating condition is based on a suction return gas 20°C, Subcool with the limits of the condensing unit.

TECHNICAL DATA

MODEL NAME		CZBD300	CZBD399	CZBD400	CZBD500	CZBD600	CZBD750
Compressor	MODEL	ZBD21KQE-TFD	ZBD29KQE-TFD	ZBD29KQE-TFD	ZBD38KQE-TFD	ZBD45KQE-TFD	ZBD48KQE-TFD
	Rated Input Volt.	AC 380-420V/3PH/50Hz					
	RLA Amps	4.6	5.56	5.56	7.36	8.6	10.15
	MCC Amps	6.70	7.90	7.9	11.30	11.40	14.00
	LRA Amps	40	48	48	64	74	100
	Oil Type	POE(32cSt)					
	Oil Precharge (L)	0.6					
Oil Quantity (L)	1.24	1.36	1.36	1.89	1.89	1.89	
Condenser	Air Flow (m ³ /h)	4450	5130	6500	6380	6380	8600
	Fan Motor	1x20"	1x20"	2x18"	2x18"	2x18"	2x20"
	Total Fan Power (W)	236	236	472	472	472	472
	Receiver (L)	4.7	7.9	7.9	7.9	7.9	7.9
	Suction Tube Size	3/4"	7/8"	7/8"	7/8"	7/8"	7/8"
	Liquid Tube Size	3/8"	1/2"	1/2"	1/2"	1/2"	1/2"
	Weight (kg)	81	97	87	119	121	124

DIMENSION



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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.

Powered by Copeland Scroll

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.

Powered by Copeland Scroll

R448A / R449A

2.0 8.0 HP

LOW TEMP

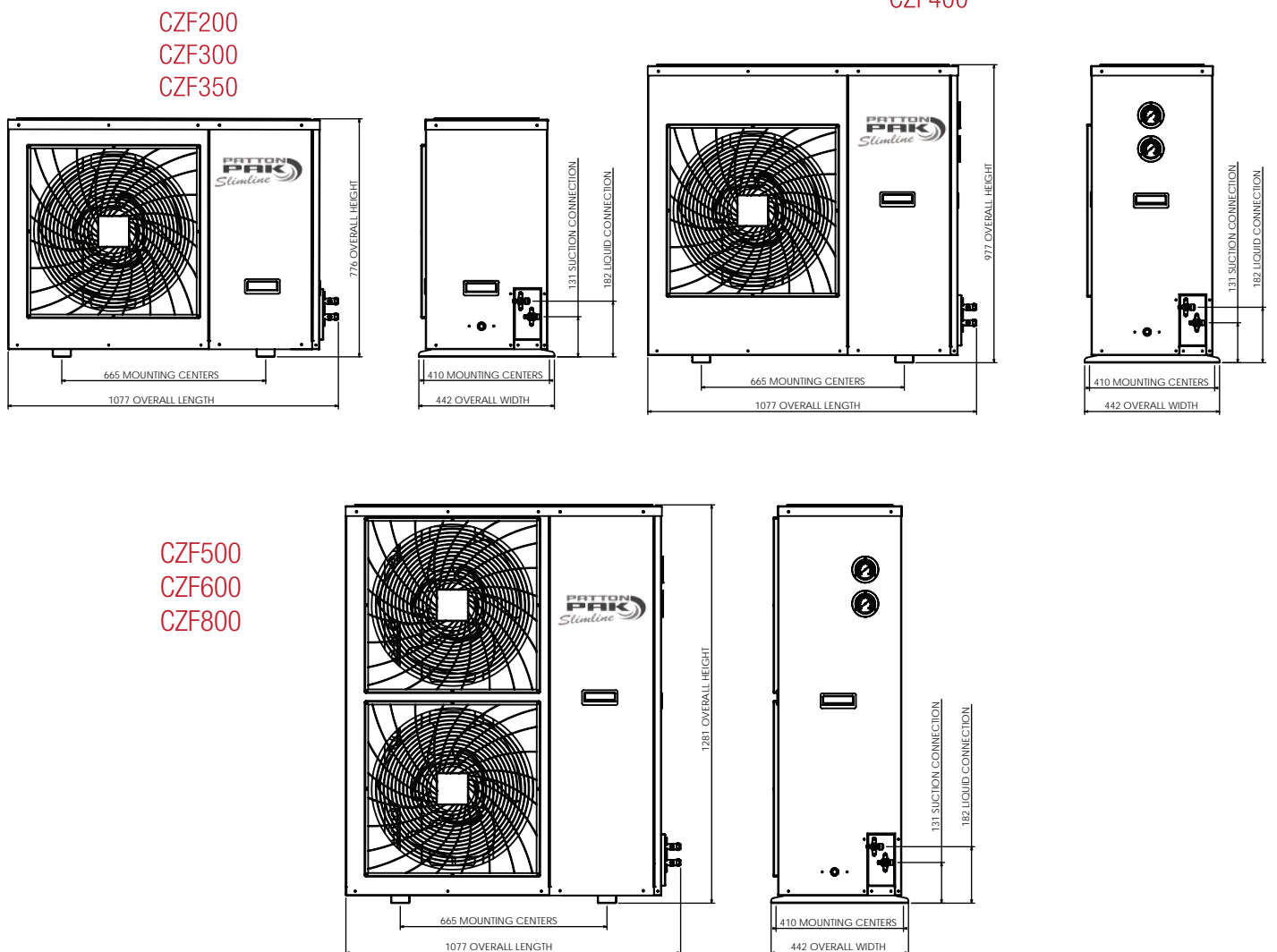
Model	Amb (°C)	Capacity (kW)							Power Input (kW)						
		Evaporating Temperature (°C)							Evaporating Temperature (°C)						
		-40	-35	-30	-25	-20	-15	-10	-40	-35	-30	-25	-20	-15	-10
CZF200	32	0.98	1.24	1.58	1.98	2.45	2.99	3.61	0.67	0.69	0.71	0.75	0.80	0.86	0.93
	38	0.91	1.16	1.47	1.85	2.29	2.79	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

MODEL NAME		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



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