

Powered by Copeland Scroll

Condensing Units CZBD series

- 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
- X-web communication feature



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.

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.

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.

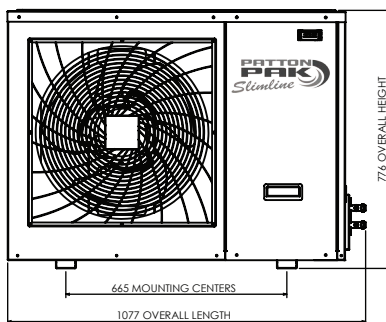
TECHNICAL DATA

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					
Condenser	Oil Quantity (L)	1.24	1.36	1.36	1.89	1.89	1.89
	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

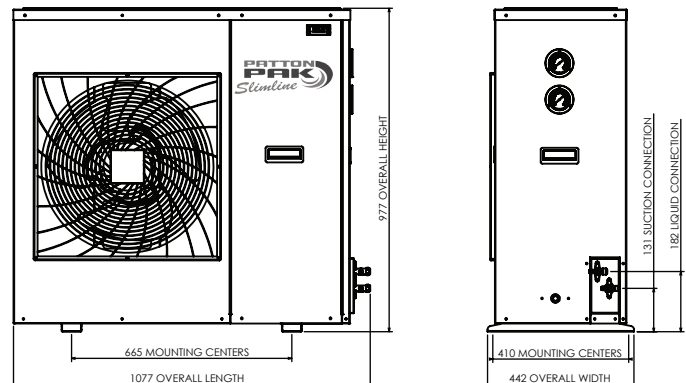
* Note : All Fan 220-240V/1PH/50Hz (5 uf Capacitor)

DIMENSION

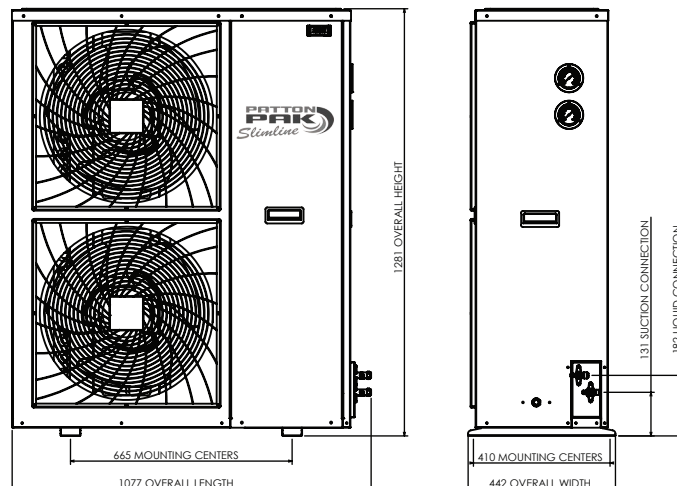
CZBD300



CZBD399



CZBD400
CZBD500
CZBD600
CZBD750



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