

Benefits

- ▶ Reliable and efficient Bitzer compressor
- ▶ Supplied c/w HP/LP, Oil separator, Liquid receiver, Liquid line drier & Sightglass, Electrical box fully wired c/w
- ▶ Twin fan models include fan cycling pressure switch
- ▶ Applied "Blue Coil Coat" corrosion protection



R404A MEDIUM TEMP

2.0 5.0 HP

Model	Ambient (°C)	Capacity (kW)							Power Input (kW)						
		Evaporating Temp (°C)							Evaporating Temp (°C)						
		-20	-15	-10	-5	0	5	10	-20	-15	-10	-5	0	5	10
KBZCM2G2	32	2.70	3.30	3.98	4.72	5.53	6.42	7.38	1.58	1.74	1.89	2.04	2.19	2.35	2.50
	38	2.40	2.95	3.56	4.23	4.97	5.77	6.65	1.64	1.81	1.98	2.16	2.34	2.52	2.70
	43	2.17	2.66	3.21	3.83	4.51	5.24	6.04	1.68	1.87	2.07	2.26	2.46	2.66	2.86
KBZCM2F3	32	3.31	4.04	4.86	5.75	6.73	7.77	8.89	1.90	2.10	2.29	2.49	2.69	2.89	3.10
	38	2.93	3.59	4.32	5.12	5.99	6.94	7.94	1.97	2.19	2.41	2.64	2.87	3.10	3.35
	43	2.63	3.22	3.88	4.60	5.40	6.25	7.16	2.02	2.26	2.51	2.77	3.02	3.28	3.55
KBZCM2E3	32	4.32	5.29	6.36	7.54	8.82	10.22	11.73	2.29	2.52	2.75	2.98	3.21	3.43	3.65
	38	3.85	4.72	5.68	6.74	7.91	9.15	10.52	2.35	2.60	2.86	3.11	3.36	3.61	3.85
	43	3.45	4.23	5.10	6.07	7.13	8.28	9.53	2.38	2.65	2.93	3.20	3.47	3.74	4.00
KBZCM2D3	32	5.00	6.10	7.32	8.64	10.09	11.66	13.34	2.63	2.90	3.17	3.45	3.73	4.01	4.28
	38	4.47	5.45	6.54	7.73	9.03	10.46	11.98	2.70	3.00	3.31	3.61	3.92	4.22	4.53
	43	4.02	4.90	5.88	6.98	8.16	9.44	10.81	2.74	3.07	3.39	3.72	4.05	4.38	4.72
KBZCM2C4	32	6.44	7.83	9.36	11.03	12.88	14.88	17.01	3.27	3.61	3.94	4.29	4.62	4.95	5.29
	38	5.79	7.01	8.39	9.91	11.57	13.37	15.28	3.39	3.76	4.13	4.50	4.88	5.25	5.62
	43	5.21	6.34	7.57	8.95	10.46	12.10	13.84	3.46	3.86	4.26	4.66	5.07	5.47	5.87
KBZCM4F5	32	6.85	8.36	10.03	11.88	13.91	16.12	18.49	3.57	3.92	4.27	4.61	4.94	5.24	5.53
	38	6.16	7.50	8.98	10.62	12.45	14.41	16.52	3.70	4.08	4.46	4.84	5.19	5.53	5.85
	43	5.58	6.76	8.09	9.58	11.19	12.98	14.92	3.78	4.19	4.60	4.99	5.37	5.73	6.07

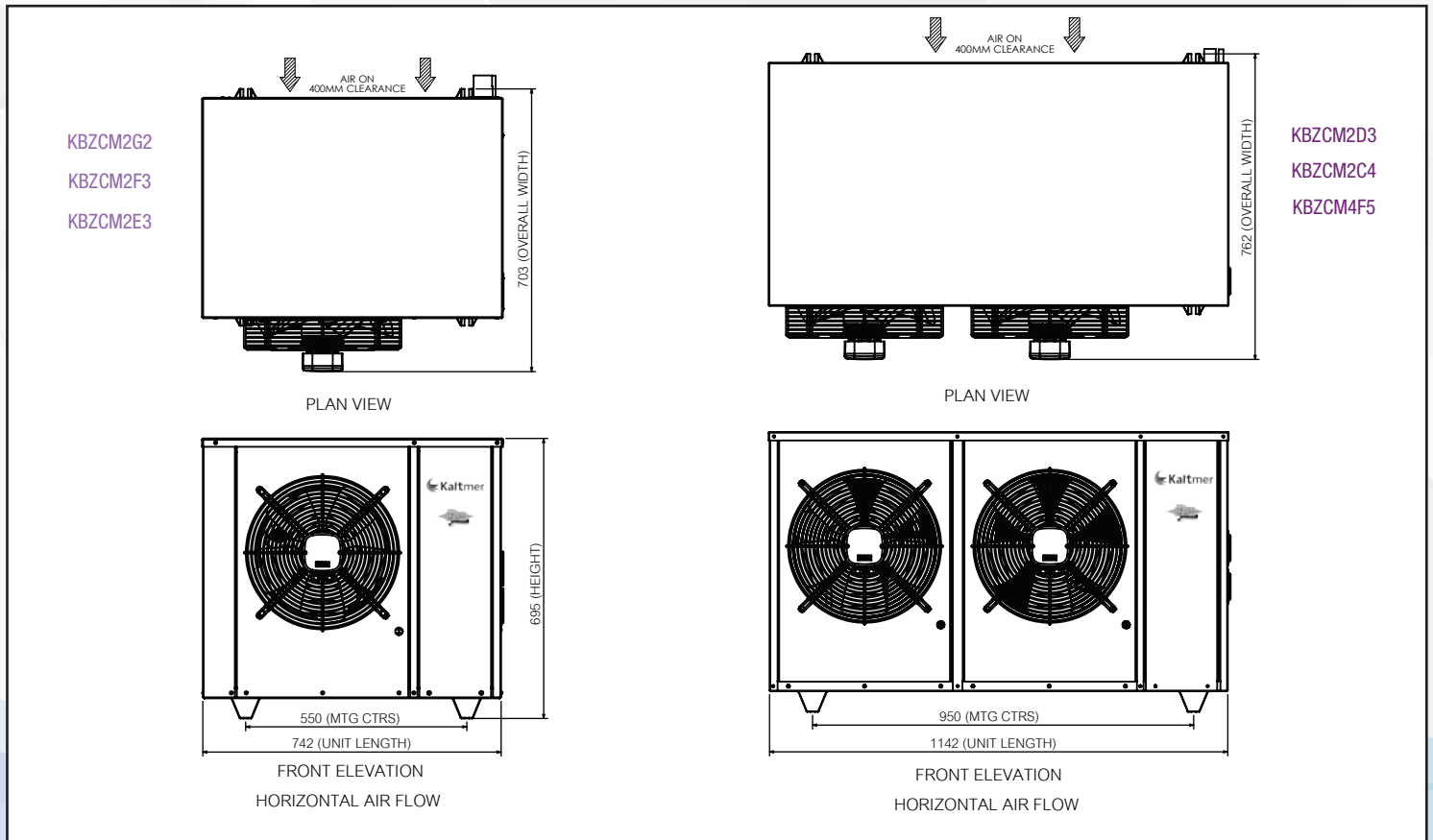
Note: The rating condition is based on a superheating 10K , Subcool with the limits of the condensing unit.

TECHNICAL DATA

	MODEL NAME	KBZCM2G2	KBZCM2F3	KBZCM2E3	KBZCM2D3	KBZCM2C4	KBZCM4F5
Compressor	MODEL	2GES-2Y	2FES-3Y	2EES-3Y	2DES-3Y	2CES-4Y	4FES-5Y
	Horse power (hp)	2	3	3	3	4	5
	Rated Input Voltage	AC 380-420 V/3PH/50 Hz					
	RLA Amps	3.73	4.45	5.38	5.99	7.26	8.04
	MCC Amps	5.0	6.0	8.0	9.0	10.0	11.0
	LRA Amps	22.5	25.5	37.0	37.0	44.2	62.2
	Oil Type	POE(32cSt)					
	Oil Precharge (L)	0.6					
Condenser	Oil Quantity (L)	1.0	1.0	1.5	1.5	1.5	2.0
	Air Flow (m ³ /h)	3488	3351	6959	6692	6200	5954
	Fan Motor*	1 x 350 mm	1 x 350 mm	1 x 350 mm	2 x 350 mm	2 x 350 mm	2 x 350 mm
	Total Fan Power (W)	145	145	290	290	290	290
	FPI	10	10	8	10	10	12
	Receiver (L)	6	6	8	8	8	8
	Suction Tube Size	5/8"	5/8"	7/8"	7/8"	7/8"	7/8"
	Liquid Tube Size	3/8"	1/2"	1/2"	1/2"	1/2"	1/2"
Dimension	[L]Length(mm)	745	745	745	1145	1145	1145
	[W]Width (mm)	650	650	650	705	705	705
	[H]Height(mm)	845	845	845	845	845	845
	Weight (kg)	121	124	160	176	189	205

Note : * All fans are 220-240 V/1PH/50 Hz (5uf capacitor)

DIMENSION



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R404A LOW TEMP

2.0 5.0 HP

Model	Ambient (°C)	Capacity (kW)							Power Input (kW)						
		Evaporating Temp (°C)							Evaporating Temp (°C)						
		-40	-35	-30	-25	-20	-15	-10	-40	-35	-30	-25	-20	-15	-10
KBZCL2F2	32	0.94	1.32	1.77	2.29	2.88	3.56	4.33	1.12	1.32	1.53	1.74	1.95	2.16	2.37
	38	0.76	1.10	1.50	1.96	2.49	3.09	3.78	1.12	1.33	1.55	1.78	2.02	2.26	2.50
	43	0.62	0.92	1.28	1.69	2.17	2.71	3.34	1.11	1.34	1.58	1.82	2.08	2.33	2.60
KBZCL2E2	32	1.18	1.67	2.22	2.85	3.58	4.38	5.29	1.20	1.43	1.67	1.92	2.18	2.45	2.74
	38	0.97	1.40	1.89	2.45	3.08	3.81	4.62	1.17	1.42	1.67	1.94	2.22	2.52	2.82
	43	0.79	1.18	1.61	2.11	2.68	3.34	4.07	1.14	1.39	1.66	1.94	2.24	2.55	2.87
KBZCL2D2	32	1.43	2.00	2.65	3.40	4.25	5.21	6.31	1.42	1.68	1.96	2.25	2.56	2.88	3.20
	38	1.18	1.69	2.26	2.93	3.69	4.55	5.53	1.40	1.68	1.98	2.29	2.62	2.97	3.32
	43	0.98	1.43	1.94	2.54	3.21	4.00	4.89	1.36	1.66	1.98	2.31	2.66	3.02	3.40
KBZCL2C3	32	1.91	2.63	3.46	4.41	5.49	6.73	8.11	1.98	2.30	2.63	2.99	3.36	3.75	4.15
	38	1.60	2.23	2.98	3.83	4.80	5.91	7.15	1.97	2.31	2.68	3.06	3.46	3.88	4.32
	43	1.34	1.91	2.57	3.32	4.21	5.20	6.33	1.95	2.31	2.70	3.10	3.53	3.97	4.43
KBZCL4F3	32	2.09	2.82	3.66	4.64	5.79	7.11	8.57	2.17	2.52	2.89	3.28	3.68	4.10	4.52
	38	1.79	2.42	3.17	4.04	5.05	6.22	7.54	2.18	2.55	2.95	3.36	3.79	4.24	4.69
	43	1.53	2.09	2.76	3.53	4.43	5.46	6.67	2.16	2.55	2.97	3.41	3.86	4.33	4.80
KBZCL4E4	32	2.66	3.57	4.65	5.92	7.37	9.05	10.92	2.59	3.04	3.53	4.04	4.57	5.13	5.69
	38	2.25	3.07	4.02	5.14	6.44	7.93	9.63	2.60	3.08	3.60	4.15	4.73	5.32	5.94
	43	1.92	2.65	3.50	4.50	5.65	7.01	8.56	2.58	3.09	3.64	4.22	4.83	5.46	6.10
KBZCL4D5	32	3.06	4.12	5.36	6.80	8.47	10.38	12.55	2.96	3.47	4.02	4.60	5.22	5.85	6.50
	38	2.60	3.53	4.63	5.92	7.41	9.13	11.09	2.97	3.52	4.11	4.73	5.39	6.07	6.78
	43	2.22	3.06	4.03	5.16	6.51	8.07	9.85	2.96	3.54	4.16	4.82	5.51	6.23	6.98

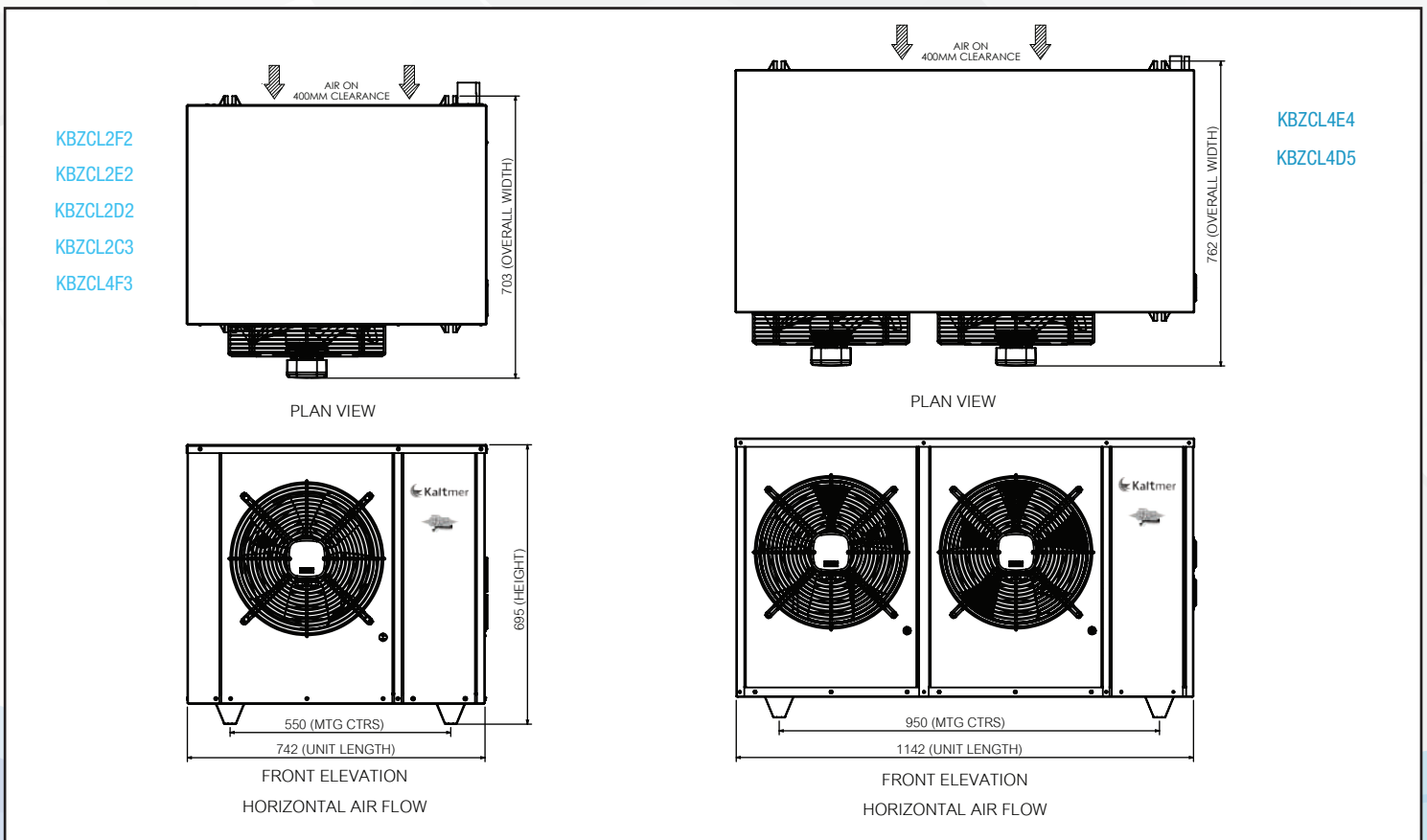
Note: The rating condition is based on a superheating 10K, Subcool with the limits of the condensing unit.

TECHNICAL DATA

MODEL NAME		KBZCL2F2	KBZCL2E2	KBZCL2D2	KBZCL2C3	KBZCL4F3	KBZCL4E4	KBZCL4D5
Compressor	MODEL	2FES-2Y	2EES-2Y	2DES-2Y	2CES-3Y	4FES-3Y	4EES-4Y	4DES-5Y
	Horse Power (hp)	2	2	2	3	3	4	5
	Rated Input Voltage	AC 380-420V/3PH/50Hz						
	RLA Amps	3.38	3.52	4.11	5.4	5.91	6.78	8.09
	MCC Amps	5.00	6.00	8.00	9.00	10.00	12.00	15.00
	LRA Amps	22.5	26.0	30.7	37.0	44.2	53.5	62.2
	Oil Type	POE(32cSt)						
	Oil Precharge (L)	0.6						
	Oil Quantity (L)	1.0	1.5	1.5	1.5	2.0	2.0	2.0
Condenser	Air Flow (m ³ /h)	3,625	3,625	3,351	6,959	6,959	6,433	6,200
	Fan Motor*	1 x 350mm	1 x 350mm	1 x 350mm	1 x 350mm	1 x 350mm	2 x 350mm	2 x 350mm
	Total Fan Power (W)	145	145	145	145	145	290	290
	FPI	8	8	10	8	8	10	10
	Receiver (L)	6	6	6	6	6	8	8
	Suction Tube Size	5/8"	7/8"	7/8"	7/8"	7/8"	1-1/8"	1-1/8"
Liquid Tube Size	3/8"	3/8"	3/8"	3/8"	3/8"	1/2"	1/2"	
Dimension	[L]Length(mm)	745	745	745	745	745	1145	1145
	[W]Width (mm)	650	650	650	650	650	705	705
	[H]Height(mm)	845	845	845	845	845	845	845
	Weight (kg)	125	148	148	159	179	204	215

Note : * All fans are 220-240 V/1PH/50 Hz (5uf capacitor)

DIMENSION



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