

POWERED BY BITZER

BZCL SERIES

BENEFITS

- Bitzer made in Germany
- All condenser supplied with fin and coil protective coating
- Liquid line drier & sight glass fitted on all models
- Dual pressure control fitted on all models
- Suction accumulator fitted on all LT models
- High efficiency, low noise external rotor fan motors
- Oil safety control on all models



R404A LOW TEMP

Model	Ambient Temp (°C)	Capacity (kW)						Power Input (kW)					
		Evaporating Temperature (°C)						Evaporating Temperature (°C)					
		-40	-35	-30	-25	-20	-15	-40	-35	-30	-25	-20	-15
BZCL2F2	32	1.08	1.49	1.95	2.47	3.04	3.68	1.12	1.32	1.54	1.75	1.98	2.20
	38	0.91	1.28	1.70	2.17	2.69	3.25	1.11	1.33	1.56	1.80	2.04	2.30
	43	0.77	1.12	1.51	1.94	2.40	2.91	1.11	1.34	1.59	1.84	2.10	2.37
BZCL2E2	32	1.41	1.96	2.57	3.26	4.01	4.85	1.20	1.43	1.67	1.92	2.18	2.45
	38	1.20	1.70	2.25	2.87	3.55	4.31	1.18	1.42	1.67	1.94	2.22	2.51
	43	1.02	1.48	1.98	2.55	3.17	3.84	1.14	1.39	1.66	1.94	2.24	2.55
BZCL2D2	32	1.66	2.27	2.96	3.71	4.54	5.44	1.42	1.68	1.97	2.27	2.58	2.92
	38	1.43	1.98	2.60	3.28	4.02	4.82	1.39	1.68	1.98	2.30	2.64	2.99
	43	1.22	1.74	2.30	2.92	3.58	4.32	1.36	1.66	1.97	2.31	2.66	3.04
BZCL2C3	32	2.23	3.00	3.88	4.84	5.90	7.06	1.95	2.27	2.62	2.98	3.37	3.77
	38	1.93	2.64	3.44	4.31	5.25	6.28	1.94	2.29	2.65	3.05	3.46	3.89
	43	1.68	2.34	3.06	3.85	4.70	5.64	1.92	2.28	2.67	3.08	3.51	3.97
BZCL4F3	32	2.48	3.26	4.16	5.18	6.33	7.60	2.17	2.52	2.90	3.29	3.70	4.13
	38	2.19	2.91	3.72	4.63	5.65	6.77	2.18	2.55	2.95	3.37	3.81	4.26
	43	1.95	2.61	3.34	4.16	5.07	6.06	2.16	2.55	2.97	3.41	3.87	4.34
BZCL4E4	32	3.13	4.13	5.28	6.60	8.06	9.68	2.59	3.05	3.54	4.06	4.60	5.17
	38	2.77	3.68	4.72	5.89	7.21	8.65	2.59	3.08	3.61	4.17	4.75	5.35
	43	2.46	3.30	4.25	5.30	6.47	7.79	2.58	3.09	3.64	4.23	4.84	5.48
BZCL4D5	32	3.64	4.82	6.15	7.68	9.42	11.33	2.96	3.47	4.02	4.61	5.22	5.85
	38	3.22	4.28	5.50	6.87	8.43	10.15	2.97	3.52	4.11	4.74	5.39	6.08
	43	2.87	3.84	4.95	6.20	7.60	9.18	2.96	3.54	4.16	4.82	5.51	6.23
BZCL4C6	32	4.39	5.83	7.48	9.35	11.46	13.81	3.72	4.37	5.06	5.80	6.57	7.39
	38	3.85	5.16	6.65	8.34	10.25	12.37	3.72	4.40	5.14	5.93	6.76	7.63
	43	3.40	4.60	5.97	7.50	9.25	11.19	3.71	4.41	5.19	6.02	6.89	7.81

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

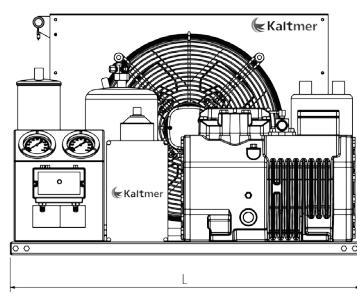
TECHNICAL DATA

	MODEL NAME	BZCL2F2	BZCL2E2	BZCL2D2	BZCL2C3	BZCL4F3	BZCL4E4	BZCL4D5	BZCL4C6			
Compressor	MODEL	2FES-2Y	2EES-2Y	2DES-2Y	2CES-3Y	4FES-3Y	4EES-4Y	4DES-5Y	6CES-6Y			
	Horse power (hp)	2	2	2	3	3	4	5	6			
	Rated Input Volt				AC 380-420V/3PH/50Hz							
	RLA Amps	3.38	3.52	4.11	5.4	5.91	6.78	8.09	9.98			
	MCC Amps	5.00	6.00	8.00	9.00	10.00	12.00	15.00	18.00			
	LRA Amps	22.5	26.0	30.7	37.0	44.2	53.5	62.2	82.4			
	Oil Type				POE(32cSt)							
	Oil Precharge (L)				0.6							
Condenser	Oil Quantity (L)	1.0	1.5	1.5	1.5	2.0	2.0	2.0	2.0			
	Air Flow (m^3/h)	2628	2556	2556	3528	5256	5436	5292	5580			
	Fan Motor*	1 x 350mm	1 x 350mm	1 x 350mm	1 x 400mm	2 x 350mm	2 x 350mm	2 x 350mm	2 x 400mm			
	Total Fan Power (W)	145	145	145	260	290	290	290	520			
	FPI	8	8	8	10	8	8	10	10			
	Reciever (L)	6	6	6	6	6	8	8	14			
	Suction Tube Size	5/8"	7/8"	7/8"	7/8"	7/8"	1-1/8"	1-1/8"	1-1/8"			
	Liquid Tube Size	3/8"	3/8"	3/8"	3/8"	3/8"	1/2"	1/2"	1/2"			
Dimension	[L]Length(mm)	880	880	880	880	1050	1050	1050	1200			
	[W]Width (mm)	800	800	800	800	890	890	890	800			
	[H]Hieght(mm)	550	550	550	550	600	655	655	655			
	Weight (kg)	105	127.5	127.5	139	159	174	184.5	205.5			

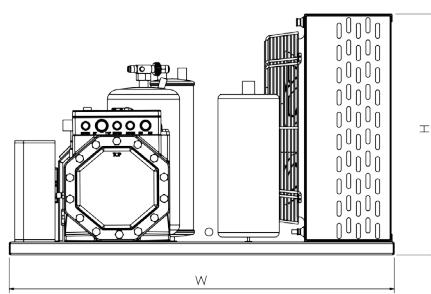
Note : * All Fan 220-240V/1PH/50Hz

DIMENSION

BZCL2F2
BZCL2E2
BZCL2D2
BZCL2C3

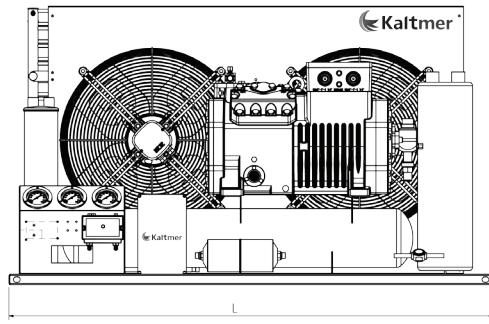


FRONT ELEVATION

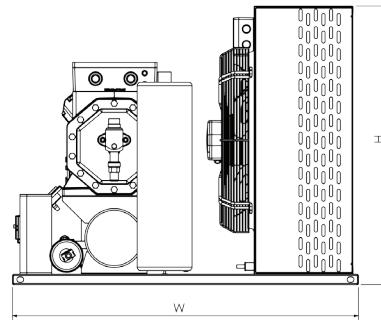


SIDE ELEVATION

BZCL4F3
BZCL4E4
BZCL4D5
BZCL4C6



FRONT ELEVATION



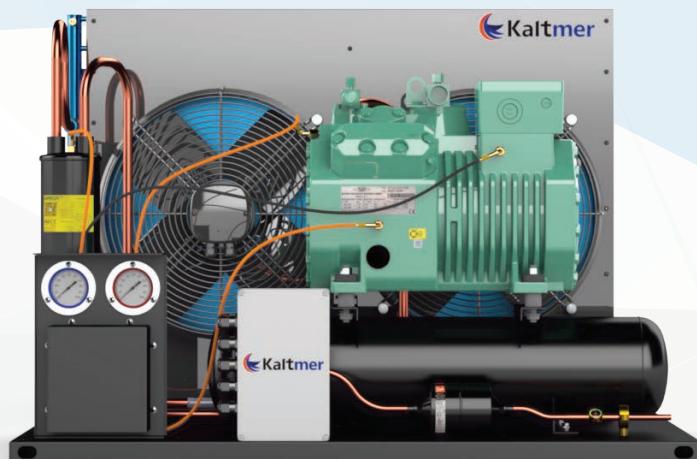
SIDE ELEVATION

POWERED BY BITZER

BZCM SERIES

BENEFITS

- Bitzer made in Germany
- All condenser supplied with fin and coil protective coating
- Liquid line drier & sight glass fitted on all models
- Dual pressure control fitted on all models
- Generously sized high ambient condensers
- High efficiency, low noise external rotor fan motors
- Oil safety control on all models



R404A MEDIUM TEMP

Model	Ambient Temp (°C)	Capacity (kW)						Power Input (kW)					
		Evaporating Temperature (°C)						Evaporating Temperature (°C)					
		-20	-15	-10	-5	0	5	-20	-15	-10	-5	0	5
BZCM2G2	32	2.69	3.28	3.94	4.68	5.49	6.35	1.58	1.74	1.89	2.05	2.20	2.36
	38	2.39	2.93	3.53	4.19	4.92	5.71	1.64	1.81	1.99	2.17	2.35	2.53
	43	2.15	2.65	3.19	3.79	4.47	5.19	1.68	1.87	2.07	2.27	2.47	2.67
BZCM2F3	32	3.35	4.10	4.94	5.87	6.87	7.97	2.01	2.20	2.39	2.58	2.77	2.96
	38	2.97	3.65	4.39	5.23	6.13	7.12	2.07	2.29	2.51	2.73	2.95	3.17
	43	2.66	3.27	3.96	4.70	5.52	6.42	2.13	2.37	2.61	2.86	3.10	3.35
BZCM2E3	32	4.27	5.21	6.26	7.39	8.64	9.99	2.30	2.53	2.77	3.01	3.24	3.47
	38	3.80	4.64	5.58	6.61	7.73	8.94	2.35	2.61	2.87	3.13	3.39	3.64
	43	3.41	4.16	5.01	5.94	6.96	8.07	2.38	2.66	2.93	3.21	3.49	3.76
BZCM2D3	32	5.05	6.16	7.40	8.76	10.25	11.87	2.62	2.89	3.16	3.43	3.70	3.96
	38	4.51	5.51	6.62	7.84	9.20	10.66	2.70	2.99	3.29	3.60	3.89	4.19
	43	4.06	4.96	5.97	7.07	8.28	9.61	2.74	3.06	3.38	3.71	4.03	4.36
BZCM2C4	32	6.44	7.81	9.34	11.01	12.86	14.86	3.27	3.61	3.95	4.29	4.63	4.96
	38	5.77	7.01	8.39	9.89	11.54	13.34	3.39	3.76	4.13	4.51	4.88	5.25
	43	5.21	6.32	7.57	8.93	10.43	12.07	3.46	3.86	4.26	4.67	5.07	5.47
BZCM4F5	32	6.82	8.29	9.95	11.76	13.77	15.92	3.58	3.93	4.29	4.63	4.96	5.28
	38	6.13	7.44	8.90	10.53	12.31	14.24	3.70	4.09	4.48	4.85	5.21	5.56
	43	5.54	6.71	8.03	9.48	11.07	12.81	3.78	4.19	4.60	5.00	5.39	5.76
BZCM4E6	32	8.51	10.39	12.49	14.84	17.39	20.16	4.59	5.07	5.54	6.01	6.47	6.91
	38	7.65	9.33	11.19	13.29	15.56	18.07	4.74	5.26	5.78	6.30	6.80	7.29
	43	6.89	8.41	10.11	11.97	14.06	16.30	4.84	5.39	5.95	6.50	7.04	7.57
BZCM4D7	32	9.98	12.14	14.58	17.27	20.19	23.41	5.70	6.24	6.78	7.32	7.86	8.37
	38	8.99	10.92	13.12	15.54	18.20	21.12	5.88	6.48	7.08	7.67	8.25	8.82
	43	8.14	9.91	11.88	14.08	16.51	19.16	6.02	6.65	7.29	7.92	8.55	9.16
BZCM4C9	32	12.49	15.26	18.37	21.82	25.64	29.84	6.81	7.52	8.24	8.96	9.67	10.37
	38	11.22	13.72	16.55	19.72	23.21	27.00	7.04	7.83	8.62	9.41	10.21	11.01
	43	10.18	12.48	15.05	17.93	21.14	24.69	7.20	8.04	8.90	9.76	10.63	11.48

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

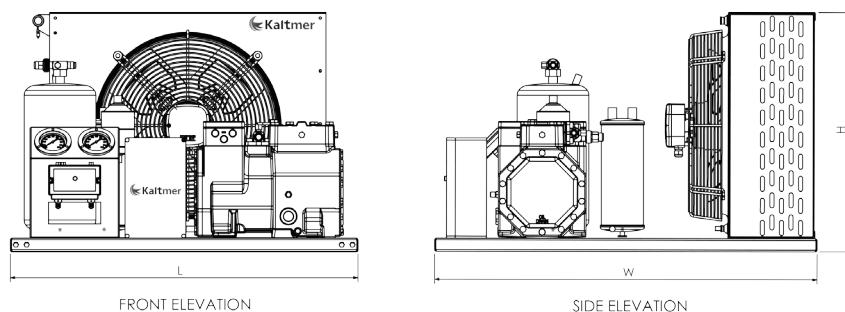
TECHNICAL DATA

	MODEL NAME	BZCM2G2	BZCM2F3	BZCM2E3	BZCM2D3	BZCM2C4	BZCM4F5	BZCM4E6	BZCM4D7	BZCM4C9	
Compressor	MODEL	2GES-2Y	2FES-3Y	2EES-3Y	2DES-3Y	2CES-4Y	4FES-5Y	4EES-6Y	4DES-7Y	4CES-9Y	
	Horse power (hp)	2	3	3	3	4	5	6	7	9	
	Rated Input Volt	AC 380-420V/3PH/50Hz									
	RLA Amps	3.73	4.45	5.38	5.99	7.26	8.04	9.68	11.4	13.85	
	MCC Amps	5.00	6.00	8.00	9.00	10.00	11.00	14.00	16.50	20.00	
	LRA Amps	22.5	25.5	37.0	37.0	44.2	62.2	62.2	82.4	82.4	
	Oil Type	POE(32cSt)									
	Oil Precharge (L)	0.6									
	Oil Quantity (L)	1.0	1.0	1.5	1.5	1.5	2.0	2.0	2.0	2.0	
Condenser	Air Flow (m³/h)	2556	3528	5256	5436	5292	5292	6012	9180	8496	
	Fan Motor*	1 x 350mm	1 x 400mm	2 x 350mm	2 x 350mm	2 x 350mm	2 x 350mm	2 x 400mm	2 x 500mm	2 x 500mm	
	Total Fan Power (W)	145	260	290	290	290	290	520	940	940	
	FPI	8	10	8	8	10	10	10	10	10	
	Receiver (L)	6	6	8	8	8	8	14	14	14	
	Suction Tube Size	5/8"	5/8"	7/8"	7/8"	7/8"	7/8"	1-1/8"	1-1/8"	1-1/8"	
Dimension	Liquid Tube Size	3/8"	1/2"	1/2"	1/2"	1/2"	1/2"	5/8"	5/8"	5/8"	
	[L]Length(mm)	880	880	1100	1100	1100	1100	1050	1400	1400	
	[W]Width (mm)	800	800	850	850	850	850	890	1000	1000	
	[H]Height(mm)	550	550	600	655	655	655	730	805	805	
	Weight (kg)	101	104	140	146	159	175	190	209.5	230.5	

Note : * All Fan 220-240V/1PH/50Hz

DIMENSION

BZCM2G2
BZCM2F3



BZCM2E3
BZCM2D3
BZCM2C4
BZCM4F5
BZCM4E6
BZCM4D7
BZCM4C9

