

KBZL Series

Condensing Units



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
- ▶ Applied "Blue Coil Coat" corrosion protection



R404A Low Temp

6.0 ▶ 18 HP

Model	Ambient Temp. (°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
KBZL4C6	32	3.82	5.22	6.85	8.78	11.03	13.62	16.63	4.29	4.92	5.59	6.28	7.01	7.75	8.51
	38	3.22	4.45	5.90	7.61	9.64	12.01	14.77	4.30	4.96	5.68	6.44	7.23	8.04	8.87
	43	2.74	3.83	5.12	6.67	8.52	10.70	13.23	4.28	4.98	5.74	6.54	7.38	8.25	9.13
KBZL4V7	32	3.55	5.01	6.75	8.78	11.16	13.91	17.04	3.91	4.57	5.28	6.05	6.86	7.72	8.63
	38	2.91	4.20	5.72	7.54	9.68	12.16	15.02	3.87	4.56	5.33	6.16	7.05	7.99	8.98
	43	2.42	3.55	4.91	6.53	8.47	10.75	13.39	3.83	4.55	5.36	6.24	7.19	8.20	9.26
KBZL4T9	32	4.47	6.17	8.15	10.49	13.20	16.27	19.81	4.73	5.50	6.36	7.29	8.27	9.32	10.42
	38	3.72	5.21	6.96	9.04	11.47	14.24	17.46	4.71	5.54	6.45	7.45	8.51	9.65	10.84
	43	3.12	4.43	6.01	7.86	10.06	12.59	15.49	4.68	5.55	6.51	7.56	8.69	9.89	11.17
KBZL4P12	32	4.72	6.63	8.86	11.45	14.43	17.87	21.72	4.95	5.86	6.85	7.91	9.05	10.24	11.51
	38	3.84	5.50	7.46	9.77	12.45	15.54	19.02	4.82	5.78	6.83	7.97	9.19	10.47	11.82
	43	3.15	4.62	6.36	8.43	10.81	13.62	16.79	4.67	5.67	6.78	7.97	9.25	10.60	12.03
KBZL4N14	32	6.04	8.29	10.95	14.01	17.60	21.66	26.25	6.05	7.13	8.30	9.56	10.88	12.28	13.74
	38	4.98	6.98	9.33	12.05	15.25	18.89	23.10	5.92	7.08	8.33	9.68	11.10	12.59	14.14
	43	4.16	5.91	8.00	10.43	13.32	16.62	20.45	5.76	6.97	8.29	9.70	11.20	12.77	14.41
KBZL4H18	32	8.88	12.05	15.73	19.96	24.86	30.36	36.56	9.77	11.16	12.65	14.22	15.88	17.64	19.50
	38	7.49	10.30	13.58	17.36	21.72	26.76	32.40	9.77	11.24	12.83	14.53	16.32	18.21	20.22
	43	6.37	8.89	11.80	15.21	19.17	23.71	28.96	9.71	11.26	12.93	14.72	16.62	18.63	20.74

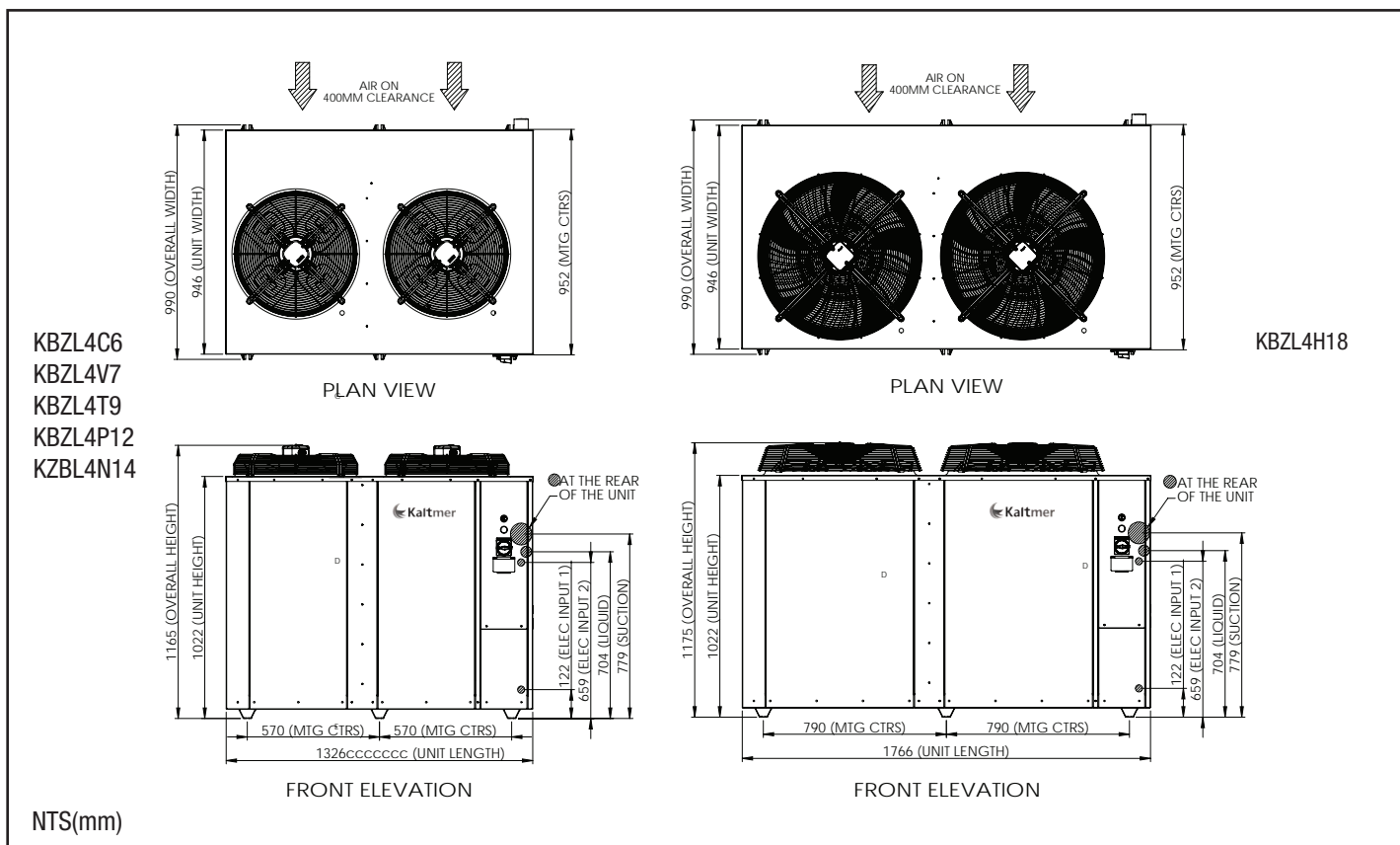
Note: The rating condition is based on a superheating 10K , Subcool with the limits of the condensing unit.

Technical Data

	MODEL NAME	KBZL4C6	KBZL4V7	KBZL4T9	KBZL4P12	KBZL4N14	KBZL4H18
Compressor	MODEL	4CES-6Y	4VES-7Y	4TE-9Y	4PE-12Y	4NE-14Y	4HE-18Y
	Horse power (hp)	6	7	9	12	14	18
	Rated Input Voltage	AC 380-420V/3PH/50Hz					
	RLA Amps	9.98	9.17	11.35	12.7	15.2	21.2
	MCC Amps	18.0	16.6	19.9	22.7	26.6	36.7
	LRA Amps	82.4	68.0	81	99	113	97.0(Y)/158.0(Y)
	Oil Type	POE(32cSt)					
	Oil Precharge (L)	0.6					
Condenser	Oil Quantity (L)	2.0	2.6	2.6	2.6	2.6	4.0
	Air Flow (m ³ /h)	15552	15552	15552	15552	13500	25380
	Fan Motor*	2 x 500mm	2 x 500mm	2 x 500mm	2 x 500mm	2 x 500mm	2 x 630mm
	Total Fan Power (W)	800	800	800	800	800	1960
	FPI	10	10	10	10	10	10
	Receiver (L)	14	14	14	14	24.5	24.5
	Suction Tube Size	1-1/8"	1-1/8"	1-3/8"	1-3/8"	1-3/8"	1-5/8"
Dimension	Liquid Tube Size	1/2"	1/2"	1/2"	1/2"	5/8"	5/8"
	[L]Length(mm)	1326	1326	1326	1326	1326	1766
	[W]Width (mm)	990	990	990	990	990	990
	[H]Height(mm)	1165	1165	1165	1165	1165	1175
	Weight (kg)	244	244	244	244	290	350

Note : * 500mm Cond Fans - 220-240V/1PH/50Hz, 630mm Cond Fans - 380-420V/3PH/50Hz

Dimension



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KBZL Series

Condensing Units



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
- ▶ Applied "Blue Coil Coat" corrosion protection



R404A Low Temp

23 44 HP

Model	Ambient Temp. (°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
KBZL4G23	32	10.75	14.45	18.71	23.71	29.38	35.90	43.16	10.80	12.42	14.17	16.02	18.00	20.08	22.29
	38	9.19	12.45	16.28	20.70	25.79	31.68	38.26	10.87	12.59	14.46	16.46	18.58	20.83	23.23
	43	7.91	10.86	14.25	18.19	22.79	28.16	34.19	10.89	12.68	14.64	16.75	19.00	21.38	23.91
KBZL6H28	32	13.12	17.74	23.11	29.22	36.29	44.34	53.51	12.71	14.82	17.08	19.46	21.96	24.56	27.24
	38	11.07	15.15	19.94	25.42	31.79	39.08	47.33	12.66	14.93	17.35	19.92	22.61	25.42	28.34
	43	9.39	13.05	17.32	22.26	28.06	34.73	42.33	12.52	14.91	17.48	20.20	23.06	26.03	29.12
KBZL6G34	32	16.61	22.10	28.42	35.85	44.30	54.00	64.94	18.30	20.68	23.24	25.93	28.78	31.74	34.84
	38	14.29	19.17	24.84	31.45	39.04	47.82	57.75	18.50	21.07	23.83	26.76	29.85	33.08	36.46
	43	12.34	16.76	21.88	27.80	34.70	42.62	51.73	18.57	21.28	24.21	27.33	30.63	34.10	37.71
KBZL6F44	32	19.30	25.91	33.56	42.34	52.47	63.94	76.95	21.20	24.14	27.25	30.50	33.87	37.35	40.89
	38	16.37	22.34	29.16	37.05	46.17	56.52	68.32	21.16	24.33	27.68	31.19	34.83	38.58	42.41
	43	13.96	19.35	25.53	32.69	40.87	50.31	61.12	21.00	24.34	27.89	31.61	35.47	39.45	43.51

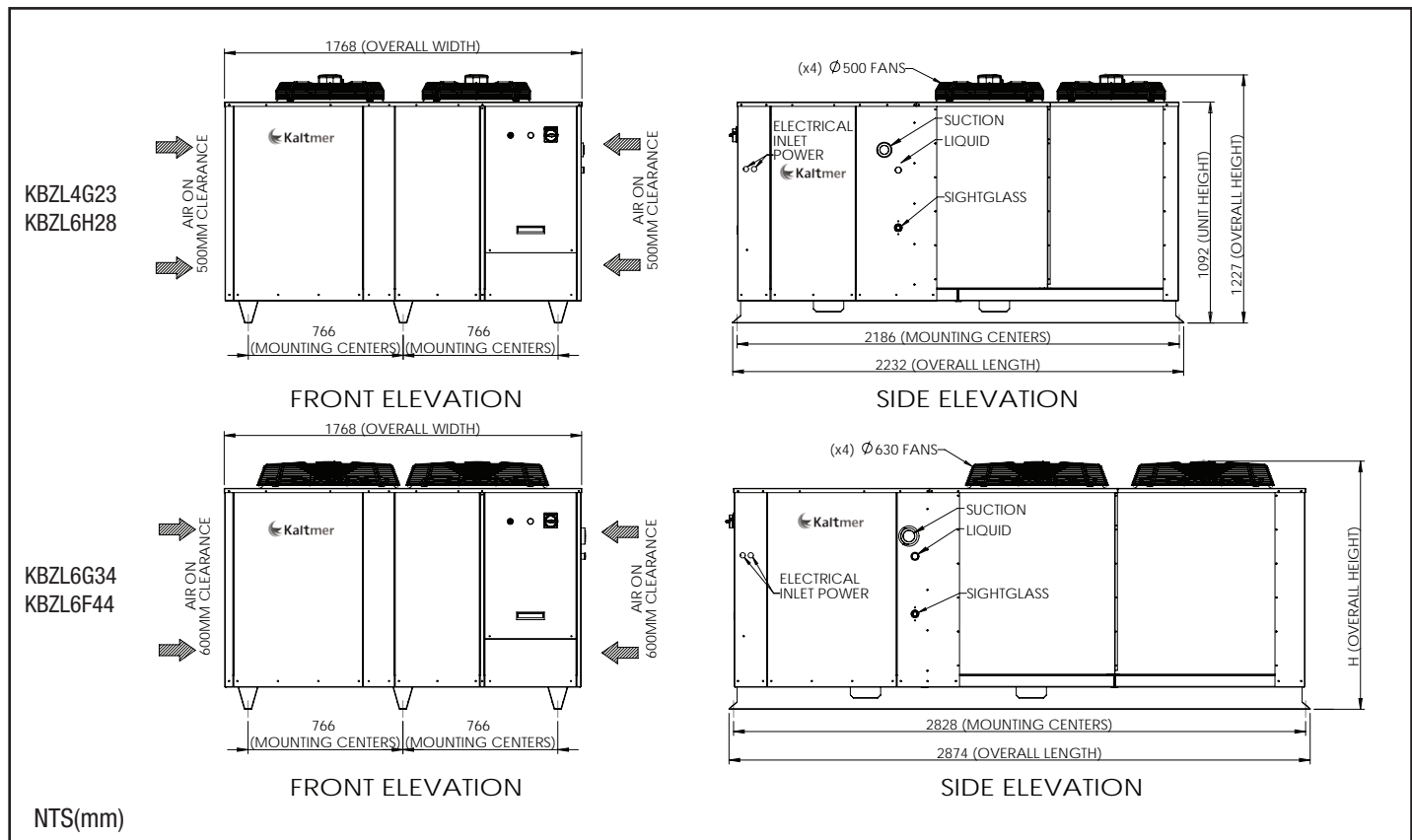
Note: The rating condition is based on a superheating 10K , Subcool with the limits of the condensing unit.

Technical Data

	MODEL NAME	KBZL4G23	KBZL6H28	KBZL6G34	KBZL6F44
Compressor	MODEL	4GE-23Y	6HE-28Y	6GE-34Y	6FE-44Y
	Horse power (hp)	23	28	34	44
	Rated Input Voltage	AC 380-420V/3PH/50Hz			
	RLA Amps	24.5	32.5	38.5	49.9
	MCC Amps	43.9	53.2	65.5	83.2
	LRA Amps	97.0(Y)/158.0(YY)	141.0(Y)/233.0(YY)	141.0(Y)/233.0(YY)	219.0(Y)/362.0(YY)
	Oil Type	POE(32cSt)			
	Oil Precharge (L)	0.6	0.8	0.8	0.8
	Oil Quantity (L)	4.5	4.75	4.75	4.75
Condenser	Air Flow (m ³ /h)	28274	25790	50760	48456
	Fan Motor*	4 x 500mm	4 x 500mm	4 x 630mm	4 x 630mm
	Total Fan Power (W)	1600	1600	3920	3920
	FPI	10	10	10	10
	Reciever (L)	35.0	35	45	60
	Suction Tube Size	2-1/8"	2-1/8"	2-1/8"	2-1/8"
Dimension	Liquid Tube Size	7/8"	7/8"	7/8"	7/8"
	[L]Length(mm)	2232	2232	2874	2874
	[W]Width (mm)	1768	1768	1768	1768
	[H]Hieght(mm)	1227	1227	1227	1227
	Weight (kg)	780	810	900	900

Note : * 500mm Cond Fans - 220-240V/1PH/50Hz, 630mm Cond Fans - 380-420V/3PH/50Hz

Dimension



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KBZM Series

Condensing Units



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
- ▶ Applied "Blue Coil Coat" corrosion protection



R404A Medium Temp

6.0 > 20 HP

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
KBZM4E6	32	8.75	10.73	12.97	15.50	18.29	21.35	5.11	5.56	6.01	6.44	6.85	7.24
	38	7.87	9.64	11.65	13.90	16.44	19.20	5.28	5.78	6.27	6.76	7.22	7.66
	43	7.12	8.73	10.55	12.60	14.88	17.40	5.38	5.92	6.45	6.98	7.48	7.97
KBZM4D7	32	10.14	12.36	14.87	17.65	20.73	24.09	5.81	6.34	6.87	7.39	7.89	8.38
	38	9.12	11.13	13.39	15.93	18.71	21.76	6.01	6.60	7.17	7.74	8.30	8.85
	43	8.29	10.09	12.16	14.44	16.98	19.82	6.15	6.77	7.39	8.01	8.62	9.20
KBZM4C9	32	12.44	15.18	18.27	21.70	25.46	29.62	6.97	7.69	8.41	9.14	9.87	10.57
	38	11.20	13.67	16.48	19.61	23.03	26.84	7.19	7.99	8.78	9.59	10.40	11.19
	43	10.14	12.39	14.98	17.81	21.00	24.47	7.35	8.20	9.06	9.94	10.80	11.67
KBZM4V10	32	12.78	15.76	19.10	22.84	26.99	31.48	6.72	7.46	8.23	9.00	9.76	10.54
	38	11.35	14.05	17.08	20.47	24.24	28.33	6.88	7.70	8.55	9.40	10.25	11.12
	43	10.20	12.66	15.43	18.55	21.97	25.74	7.00	7.88	8.78	9.69	10.62	11.56
KBZM4T12	32	15.63	19.19	23.19	27.71	32.68	38.06	9.43	10.34	11.27	12.20	13.14	14.08
	38	13.95	17.18	20.80	24.91	29.43	34.33	9.68	10.68	11.71	12.74	13.78	14.84
	43	12.59	15.51	18.86	22.59	26.68	31.26	9.86	10.93	12.03	13.15	14.29	15.42
KBZM4P15	32	17.67	21.89	26.65	31.99	37.86	44.33	10.24	11.29	12.37	13.45	14.53	15.60
	38	15.70	19.48	23.79	28.65	34.00	39.90	10.44	11.61	12.80	14.00	15.21	16.41
	43	14.06	17.53	21.43	25.89	30.81	36.27	10.58	11.83	13.11	14.41	15.72	17.02
KBZM4N20	32	21.34	26.19	31.69	37.80	44.58	51.93	11.88	13.11	14.35	15.61	16.87	18.14
	38	19.07	23.46	28.45	33.99	40.15	46.85	12.22	13.57	14.94	16.34	17.74	19.16
	43	17.22	21.19	25.75	30.83	36.49	42.66	12.48	13.92	15.39	16.90	18.41	19.95

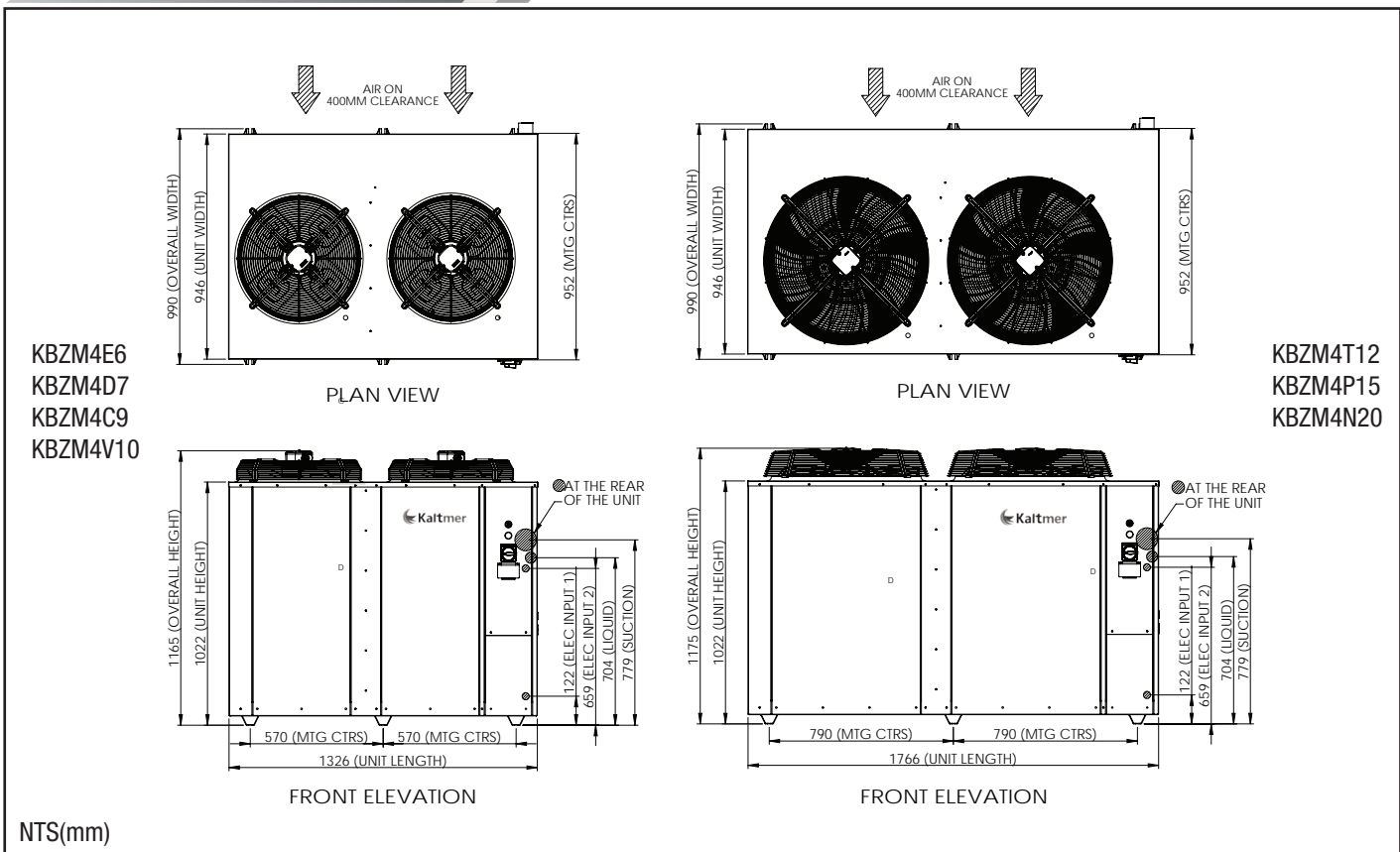
Note: The rating condition is based on a suction gas return = 20 (°C) , Subcooling within the limits of the condensing unit

Technical Data

MODEL NAME		KBZM4E6	KBZM4D7	KBZM4C9	KBZM4V10	KBZM4T12	KBZM4P15	KBZM4N20
Compressor	MODEL	4EES-6Y	4DES-7Y	4CES-9Y	4VES-10Y	4TE-12Y	4PE-15Y	4NE-20Y
	Horse power (hp)	6	7	9	10	12	15	20
	Rated Input Voltage	AC 380-420V/3PH/50Hz						
	RLA Amps	9.68	11.4	13.85	14.3	19.2	20	23.1
	MCC Amps	14.0	16.5	20.0	19.9	25.1	28.2	33.2
	LRA Amps	62.2	82.4	82.4	99.0	113	132	97(Y)/158(Y)
	Oil Type	POE(32cSt)						
	Oil Precharge (L)	0.6						
Condenser	Oil Quantity (L)	2.0	2.0	2.0	2.6	2.6	2.6	2.6
	Air Flow (m ³ /h)	15552	15552	14137	13500	26568	25380	24228
	Fan Motor*	2x500mm	2x500mm	2x500mm	2x500mm	2x630mm	2x630mm	2x630mm
	Total Fan Power (W)	800	800	800	800	1960	1960	1960
	FPI	10	10	10	10	10	10	10
	Reciever (L)	14	14	14	14	24.5	24.5	24.5
	Suction Tube Size	1-1/8"	1-1/8"	1-1/8"	1-1/8"	1-3/8"	1-5/8"	1-5/8"
Dimension	Liquid Tube Size	5/8"	5/8"	5/8"	5/8"	7/8"	7/8"	7/8"
	[L]Length(mm)	1326	1326	1326	1326	1766	1766	1766
	[W]Width (mm)	990	990	990	990	990	990	990
	[H]Hieght(mm)	1165	1165	1165	1165	1175	1175	1175
	Weight (kg)	190	210	231	279	290	350	365

Note : * 500mm Cond Fans - 220-240V/1PH/50Hz, 630mm Cond Fans - 380-420V/3PH/50Hz

Dimension



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KBZM Series

Condensing Units



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
- ▶ Applied "Blue Coil Coat" corrosion protection



R404A Medium Temp

25 ▶ 50 HP

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
KBZM4H25	32	28.72	34.95	41.92	49.65	58.03	67.15	14.97	16.51	18.07	19.65	21.27	22.90
	38	25.78	31.44	37.70	44.72	52.35	60.65	15.38	17.06	18.79	20.53	22.31	24.11
	43	23.29	28.41	34.22	40.58	47.59	55.24	15.65	17.46	19.29	21.17	23.08	25.02
KBZM4G30	32	33.72	41.17	49.49	58.77	69.01	80.10	19.59	21.29	23.01	24.73	26.44	28.17
	38	30.37	37.06	44.59	53.00	62.30	72.37	20.12	21.99	23.88	25.78	27.68	29.59
	43	27.52	33.63	40.43	48.12	56.65	65.88	20.47	22.47	24.51	26.55	28.59	30.65
KBZM6H35	32	42.41	51.68	61.99	73.57	86.20	99.99	23.98	26.20	28.44	30.63	32.82	34.97
	38	38.11	46.45	55.91	66.32	77.96	90.54	24.71	27.17	29.61	32.06	34.46	36.84
	43	34.47	42.21	50.79	60.35	70.91	82.49	25.21	27.83	30.47	33.10	35.71	38.28
KBZM6G40	32	48.41	58.79	70.27	83.10	97.01	112.09	22.15	24.69	27.27	29.81	32.37	34.90
	38	43.57	52.95	63.30	74.73	87.43	101.05	23.00	25.78	28.59	31.41	34.19	36.97
	43	39.44	48.00	57.42	67.82	79.23	91.85	23.59	26.56	29.57	32.59	35.60	38.56
KBZM6F50	32	58.11	70.17	83.52	97.94	113.53	130.49	32.54	35.86	39.22	42.62	46.03	49.36
	38	52.33	63.19	75.00	88.04	102.17	117.07	33.36	36.97	40.65	44.32	47.99	51.67
	43	47.40	57.26	67.94	79.73	92.50	106.21	33.87	37.71	41.62	45.54	49.45	53.34

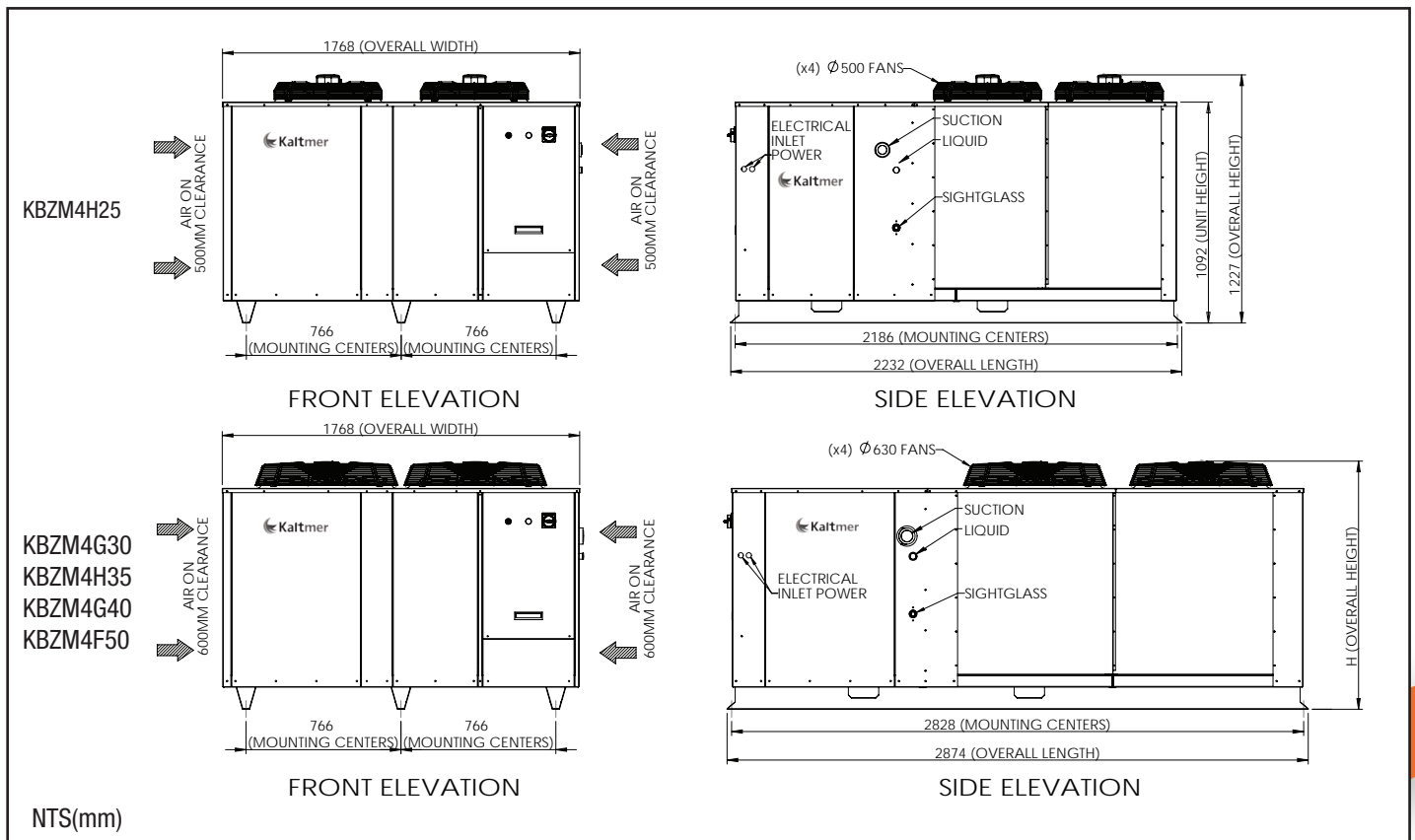
Note: The rating condition is based on a suction gas return = 20 (°C) , Subcooling within the limits of the condensing unit

Technical Data

	MODEL NAME	KBZM4H25	KBZM4G30	KBZM6H35	KBZM6G40	KBZM6F50
Compressor	MODEL	4HE-25Y	4GE-30Y	6HE-35Y	6GE-40Y	6FE-50Y
	Horse power (hp)	25	30	35	40	50
	Rated Input Voltage	AC 380-420V/3PH/50Hz				
	RLA Amps	30.7	36.3	43.8	55.3	75.6
	MCC Amps	44	51.2	64.4	73.9	96.2
	LRA Amps	125(Y)/211(Y)	141.0(Y)/233.0(Y)	165.0(Y)/275.0(Y)	219(Y)/362(Y)	226.0(Y)/404.0(Y)
	Oil Type	POE(32cSt)				
	Oil Precharge (L)	0.8				
	Oil Quantity (L)	4.5	4.5	4.75	4.75	4.75
Condenser	Air Flow (m³/h)	25790	50760	48456	47736	45000
	Fan Motor*	4x500mm	4x630mm	4x630mm	4x630mm	4x630mm
	Total Fan Power (W)	1600	3920	3920	3920	3920
	FPI	10	10	10	10	10
	Receiver (L)	35	45	60	60	60
	Suction Tube Size	2-1/8"	2-1/8"	2-1/8"	2-1/8"	2-1/8"
Dimension	Liquid Tube Size	7/8"	7/8"	1-1/8"	1-1/8"	1-1/8"
	[L]Length(mm)	2232	2874	2874	2874	2874
	[W]Width (mm)	1768	1768	1768	1768	1768
	[H]Hieght(mm)	1227	1227	1227	1227	1332
	Weight (kg)	810	900	900	920	950

Note : *500mm Cond Fans - 220-240V/1PH/50Hz, 630mm Cond Fans - 380-420V/3PH/50Hz

Dimension



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