



Bitzer® Open Pack Condensing Units

- Product Description:**
- Semi-Hermetic Bitzer compressor;
 - Copper tube & aluminum fin air cooled heat exchanger;
 - Or high efficient shell-tube water cooled condenser;
 - Low noise & high efficient Axial fan motor;
 - World famous brand refrigeration parts;
 - Water proof terminal box;
 - Widely application.



Nomenclature:

CD18¹ / 2GES-2Y²

- ¹ Condenser Model
- ² Compressor Model



Air Cooled High Temperature Units

Model		CD22/2FES-3Y	CD28/2EES-3Y	CD33/2DES-3Y	CD43/2CES-4Y	CD48/4FES-5Y	CD55/4EES-6Y	CD70A/4DES-7Y	CD80A/4CES-9Y
Compressor		2FES-3Y	2EES-3Y	2DES-3Y	2CES-4Y	4FES-5Y	4EES-6Y	4DES-7Y	4CES-9Y
Temperature (°C)		0°C ~ +5 °C							
Refrigerant		R404A / R448A / R449A							
Power Supply		380V / 3P / 50Hz							
Condenser	Fan Qty	✿	✿ ✿	✿ ✿	✿ ✿	✿ ✿ ✿	✿ ✿	✿ ✿	✿ ✿
	Supply Voltage (V)	380	380	380	380	380	380	380	380
	Fan Input (W)	180x1	140x2	140x2	180x2	180x2	180x2	250x2	250x2
Cooling Capacity & Input	Evap -5°C	Capacity (W)	5150	6450	7710	9490	10110	12870	15380
		Input (KW)	2.14	2.48	2.97	3.65	3.83	4.9	5.8
	Evap -10°C	Capacity (W)	4200	5230	6270	7740	8180	10430	12500
		Input (KW)	2.0	2.3	2.76	3.4	3.56	4.54	5.4
Pipe	Suction Pipe (mm)	φ16	φ22	φ22	φ22	φ22	φ28	φ28	φ28
	Liquid Pipe (mm)	φ10	φ12	φ12	φ12	φ12	φ12	φ16	φ16
Overall Dimension	A (mm)	620	960	960	1060	1300	1300	1300	1280
	B (mm)	650	680	680	680	750	750	750	710
	C (mm)	560	460	510	720	670	770	870	910
Mounting Size (axb) (mm)		580x350	920x380	920x380	1020x380	1260x410	1260x410	1260x410	1000x665
Condenser Size	A (mm)	/	/	/	/	/	/	/	/
	B (mm)	/	/	/	/	/	/	/	/
	C (mm)	/	/	/	/	/	/	/	/

Model		CD100/4TES-12Y	CD130/4PES-15Y	CD150/4NES-20Y	CDV180/4HE-25Y	CDV219/4GE-30Y	CDV270/6HE-35Y	CDV328/6GE-40Y	CDV383/6FE-50Y
Compressor		4TES-12Y	4PES-15Y	4NES-20Y	4HE-25Y	4GE-30Y	6HE-35Y	6GE-40Y	6FE-50Y
Temperature (°C)		0°C ~ +5 °C							
Refrigerant		R404A / R448A / R449A							
Power Supply		380V / 3P / 50Hz							
Condenser	Fan Qty	✿ ✿ ✿ ✿	✿ ✿ ✿ ✿	✿ ✿ ✿ ✿	✿ ✿	✿ ✿	✿ ✿ ✿	✿ ✿ ✿	✿ ✿ ✿
	Supply Voltage (V)	380	380	380	380	380	380	380	380
	Fan Input (W)	180x4	180x4	180x4	800x2	800x2	800x3	800x3	800x3
Cooling Capacity & Input	Evap -5°C	Capacity (W)	24800	28300	33400	44600	51800	68000	76800
		Input (KW)	8.83	10.05	11.81	15.86	18.28	23.9	27.4
	Evap -10°C	Capacity (W)	19990	22700	26900	36100	42000	54700	62200
		Input (KW)	8.15	9.23	10.88	14.66	16.93	22.1	25.3
Pipe	Suction Pipe (mm)	φ35	φ42	φ42	φ54	φ54	φ54	φ54	φ54
	Liquid Pipe (mm)	φ16	φ22	φ22	φ22	φ22	φ28	φ28	φ28
Overall Dimension	A (mm)	1280	1280	1350	1150	1150	1050	1050	1600
	B (mm)	710	750	800	570	570	600	600	610
	C (mm)	1210	1460	1410	860	852	910	910	880
Mounting Size (axb) (mm)		1000x665	1000x705	1000x755	800x525	800x525	800x525	800x555	1000x600
Condenser Size	A (mm)	/	/	/	1840	1840	2640	2640	3040
	B (mm)	/	/	/	980	980	1030	1030	1030
	C (mm)	/	/	/	1100	1100	1100	1100	1100

Remarks: 1. Condensing temp. 45°C; 2. Condenser will be separately installed for condensing units Cap. > 25Hp.

	Air Cooled Middle & High Temperature Units								
Model	CD22/2GES-2Y	CD22/2FES-2Y	CD28/2EES-2Y	CD33/2DES-2Y	CD43/2CES-3Y	CD48/4FES-3Y	CD55/4EES-4Y	CD70A/4DES-5Y	CD80A/4CES-6Y
Compressor	2GES-2Y	2FES-2Y	2EES-2Y	2DES-2Y	2CES-3Y	4FES-3Y	4EES-4Y	4DES-5Y	4CES-6Y
Temperature (°C)	-10℃ ~ +5 ℃								
Refrigerant	R404A / R448A / R449A								
Power Supply	380V / 3P / 50Hz								
Condenser	Fan Qty	✱	✱	✱✱	✱✱	✱✱	✱✱	✱✱	✱✱
	Supply Voltage (V)	380	380	380	380	380	380	380	380
	Fan Input (W)	180×1	180×1	140×2	140×2	180×2	180×2	250×2	250×2
Cooling Capacity & Input	Evap -5℃	Capacity (W)	4060	5010	6490	7770	9590	10400	15800
		Input (kW)	1.94	2.41	2.79	3.41	4.16	4.49	6.80
	Evap -10℃	Capacity (W)	3240	4000	5180	6220	7700	8310	12610
		Input (kW)	1.81	2.25	2.56	3.13	3.84	4.17	6.30
Pipe	Evap -15℃	Capacity (W)	2550	3140	4070	4900	6100	6550	9940
		Input (kW)	1.66	2.06	2.31	2.84	3.50	3.82	5.75
	Suction Pipe (mm)	φ16	φ16	φ22	φ22	φ22	φ22	φ28	φ28
		Liquid Pipe (mm)	φ10	φ10	φ12	φ12	φ12	φ12	φ16
Overall Dimension	A (mm)	620	620	960	960	1060	1300	1300	1280
	B (mm)	650	650	680	680	680	750	750	710
	C (mm)	560	560	460	510	720	670	870	910
Mounting Size (axb) (mm)	580×350	580×350	920×380	920×380	1020×380	1260×410	1260×410	1260×410	1000×665
Condenser Size	A (mm)	/	/	/	/	/	/	/	/
	B (mm)	/	/	/	/	/	/	/	/
	C (mm)	/	/	/	/	/	/	/	/

Model	CD100/4TES-9Y	CD130/4PES-12Y	CD150/4NES-14Y	CDV180/4HE-18Y	CDV219/4GE-23Y	CDV270/6HE-28Y	CDV328/6GE-34Y	CDV383/6FE-44Y
Compressor	4TES-9Y	4PES-12Y	4NES-14Y	4HE-18Y	4GE-23Y	6HE-28Y	6GE-34Y	6FE-44Y
Temperature (°C)	-10℃ ~ +5 ℃							
Refrigerant	R404A / R448A / R449A							
Power Supply	380V / 3P / 50Hz							
Condenser	Fan Qty	✱✱✱✱	✱✱✱✱✱	✱✱✱✱✱	✱✱✱	✱✱✱✱	✱✱✱✱	✱✱✱✱
	Supply Voltage (V)	380	380	380	380	380	380	380
	Fan Input (W)	180×4	180×4	180×4	780×2	780×2	800×3	800×3
Cooling Capacity & Input	Evap -5℃	Capacity (W)	24200	27600	44200	51000	60200	75200
		Input (kW)	10.18	11.29	13.63	18.39	22.0	32.7
	Evap -10℃	Capacity (W)	19160	21800	26100	35400	41100	48600
		Input (kW)	9.28	10.27	12.48	16.89	20.1	30.1
Pipe	Evap -15℃	Capacity (W)	14960	16850	20300	28000	32600	38800
		Input (kW)	8.32	9.17	11.23	15.3	18.21	21.7
	Suction Pipe (mm)	φ35	φ35	φ35	φ42	φ54	φ54	φ54
		Liquid Pipe (mm)	φ16	φ22	φ22	φ22	φ28	φ28
Overall Dimension	A (mm)	1280	1280	1350	1150	1050	1050	1050
	B (mm)	710	750	800	570	570	600	600
	C (mm)	1210	1460	1410	860	860	910	910
Mounting Size (axb) (mm)	1000×665	1000×705	1000×755	800×525	800×525	800×525	800×555	1000×600
Condenser Size	A (mm)	/	/	/	1840	2640	2640	3040
	B (mm)	/	/	/	980	980	1030	1030
	C (mm)	/	/	/	1100	1100	1100	1100

Remarks: 1.Condensing temp. 45℃; 2.Condenser will be separately installed for condensing units Cap. > 18Hp.

	Air Cooled Middle & Low Temperature Units							
Model	CD15/2FES-2Y	CD18/2EES-2Y	CD22/2DES-2Y	CD28/2CES-3Y	CD33/4FES-3Y	CD36/4EES-4Y	CD43/4DES-5Y	CD48/4CES-6Y
Compressor	2FES-2Y	2EES-2Y	2DES-2Y	2CES-3Y	4FES-3Y	4EES-4Y	4DES-5Y	4CES-6Y
Temperature (°C)	-30℃ ~ -15 ℃							
Refrigerant	R404A / R448A / R449A							
Power Supply	380V / 3P / 50Hz							
Condenser	Fan Qty	✱	✱	✱	✱✱	✱✱	✱✱	✱✱
	Supply Voltage (V)	380	380	380	380	380	380	380
	Fan Input (W)	140×1	140×1	140×1	140×2	180×2	180×2	180×2
Cooling Capacity & Input	Evap -25℃	Capacity (W)	1820	2370	2870	3630	3890	4940
		Input (kW)	1.64	1.79	2.21	2.76	3.06	3.84
	Evap -30℃	Capacity (W)	1330	1720	2110	2690	2910	3690
		Input (kW)	1.42	1.53	1.89	2.39	2.66	3.32
Pipe	Evap -35℃	Capacity (W)	920	1200	1480	1920	2130	2680
		Input (kW)	1.19	1.26	1.58	2.03	2.26	2.8
	Evap -45℃	Capacity (W)	590	770	980	1300	1500	1880
		Input (kW)	0.97	1.01	1.27	1.67	1.88	2.3
Overall Dimension	Suction Pipe (mm)	φ16	φ22	φ22	φ22	φ22	φ28	φ28
		Liquid Pipe (mm)	φ10	φ10	φ12	φ12	φ12	φ12
		A (mm)	620	620	620	960	1060	1060
Mounting Size (axb) (mm)	B (mm)	650	650	650	680	680	680	750
		510	560	560	460	510	620	720
		580×350	580×350	580×350	920×380	920×380	1020×380	1020×380
Condenser Size	C (mm)	/	/	/	/	/	/	/
		/	/	/	/	/	/	/
		/	/	/	/	/	/	/

Model	CD70A/4TES-9Y	CD80A/4PES-12Y	CD100/4NES-14Y	CD130/4HE-18Y	CD150/4GE-23Y	CD180/4FE-28Y	CDV180/6GE-34Y	CDV219A/6FE-44Y
Compressor	4TES-9Y	4PES-12Y	4NES-14Y	4HE-18Y	4GE-23Y	4FE-28Y	6GE-34Y	6FE-44Y
Temperature (°C)	-30℃ ~ -15 ℃							
Refrigerant	R404A / R448A / R449A							
Power Supply	380V / 3P / 50Hz							
Condenser	Fan Qty	✱✱	✱✱	✱✱✱✱	✱✱✱✱	✱✱✱✱	✱✱	✱✱
	Supply Voltage (V)	380	380	380	380	380	380	380
	Fan Input (W)	250×2	250×2	180×4	180×4	180×4	780×2	780×2
Cooling Capacity & Input	Evap -25℃	Capacity (W)	8620	9500	11700	16690	23500	29700
		Input (kW)	6.35	6.88	8.58	12.0	17.13	21.8
	Evap -30℃	Capacity (W)	6310	6830	8550	12450	14820	17760
		Input (kW)	5.38	5.74	7.24	10.35	12.33	14.78
Pipe	Evap -35℃	Capacity (W)	4460	4710	6030	9000	10870	12980
		Input (kW)	4.46	4.64	5.94	8.75	10.46	12.46
	Evap -45℃	Capacity (W)	3000	3060	4060	6220	7690	9070
		Input (kW)	3.61	3.62	4.72	7.23	8.71	10.4
Overall Dimension	Suction Pipe (mm)	φ35	φ35	φ35	φ42	φ54	φ54	φ54
		Liquid Pipe (mm)	φ16	φ16	φ22	φ22	φ22	φ22
		A (mm)	1280	1280	1280	1350	1350	1350
Mounting Size (axb) (mm)	B (mm)	710	710	750	800	850	850	595
		910	910	1210	1460	1410	830	830
		1000×665	1000×665	1000×705	1000×755	1000×805	1000×805	800×525
Condenser Size	C (mm)	/	/	/	/	/	/	1840
		/	/	/	/	/	/	980
		/	/	/	/	/	/	1100

Remarks: 1.Condensing temp. 45℃; 2. Condenser will be separately installed for condensing units Cap. > 34HP.