Bitzer®
Open Pack Condensing Units







Nomenclature:

CD18/2GES-2Y

CD18： **Condenser Model**

2GES-2Y： **Compressor Model**

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.



Supcool Refrigeration Equipment Factory

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 (℃)					0℃ ~ +5 ℃				
Refrigerant					R404A / R448A / R449A				
Power supply					380V / 3P / 50Hz				
Condenser	Fan Qty	1	2	2	2	2	2	2	2
	Supply Voltage (V)	380	380	380	380	380	380	380	380
	Fan Input (W)	180×1	140×2	140×2	180×2	180×2	180×2	250×2	250×2
Cooling Capacity & Input	Evap -5℃ Capacity (W)	5150	6450	7710	9490	10110	12870	15380	18960
	Evap -5℃ Input (KW)	2.14	2.48	2.97	3.65	3.83	4.9	5.8	7.22
	Evap -10℃ Capacity (W)	4200	5230	6270	7740	8180	10430	12500	15450
	Evap -10℃ Input (KW)	2.0	2.3	2.76	3.4	3.56	4.54	5.4	6.72
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 (a×b) (mm)		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-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 (℃)					0℃ ~ +5 ℃				
Refrigerant					R404A / R448A / R449A				
Power supply					380V / 3P / 50Hz				
Condenser	Fan Qty	4	4	4	2	2	3	3	3
	Supply Voltage (V)	380	380	380	380	380	380	380	380
	Fan Input (W)	180×4	180×4	180×4	800×2	800×2	800×3	800×3	800×3
Cooling Capacity & Input	Evap -5℃ Capacity (W)	24800	28300	33400	44600	51800	68000	76800	92600
	Evap -5℃ Input (KW)	8.83	10.05	11.81	15.86	18.28	23.9	27.4	33.3
	Evap -10℃ Capacity (W)	19990	22700	26900	36100	42000	54700	62200	75000
	Evap -10℃ Input (KW)	8.15	9.23	10.88	14.66	16.93	22.1	25.3	30.9
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 (a×b) (mm)		1000×665	1000×705	1000×755	800×525	800×525	800×525	800×555	1000×600
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℃ ; 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 (℃)		-10℃ ~ +5 ℃								
Refrigerant		R404A / R448A / R449A								
Power supply		380V / 3P / 50Hz								
Condenser	Fan Qty	1	1	2	2	2	2	2	2	2
	Supply Voltage (V)	380	380	380	380	380	380	380	380	380
	Fan Input (W)	180×1	180×1	140×2	140×2	180×2	180×2	180×2	250×2	250×2
Cooling Capacity & Input	Evap -5℃ Capacity (W)	4060	5010	6490	7770	9590	10400	13220	15800	19150
	Evap -5℃ Input (KW)	1.94	2.41	2.79	3.41	4.16	4.49	5.76	6.80	8.13
	Evap -10℃ Capacity (W)	3240	4000	5180	6220	7700	8310	10560	12610	15250
	Evap -10℃ Input (KW)	1.81	2.25	2.56	3.13	3.84	4.17	5.34	6.30	7.51
	Evap -15℃ Capacity (W)	2550	3140	4070	4900	6100	6550	8330	9940	11980
	Evap -15℃ Input (KW)	1.66	2.06	2.31	2.84	3.50	3.82	4.87	5.75	6.82
Pipe	Suction Pipe (mm)	ϕ16	ϕ16	ϕ22	ϕ22	ϕ22	ϕ22	Φ28	Φ28	Φ28
	Liquid Pipe (mm)	ϕ10	ϕ10	ϕ12	ϕ12	ϕ12	ϕ12	Φ12	ϕ16	ϕ16
Overall Dimension	A (mm)	620	620	960	960	1060	1300	1300	1300	1280
	B (mm)	650	650	680	680	680	750	750	750	710
	C (mm)	560	560	460	510	720	670	770	870	910
Mounting Size (a×b) (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 (℃)		-10℃ ~ +5 ℃							
Refrigerant		R404A / R448A / R449A							
Power supply		380V / 3P / 50Hz							
Condenser	Fan Qty	4	4	4	2	2	3	3	3
	Supply Voltage (V)	380	380	380	380	380	380	380	380
	Fan Input (W)	180×4	180×4	180×4	780×2	780×2	800×3	800×3	800×3
Cooling Capacity & Input	Evap -5℃ Capacity (W)	24200	27600	32900	44200	51000	60200	75200	90300
	Evap -5℃ Input (KW)	10.18	11.29	13.63	18.39	22.0	25.9	32.7	38.9
	Evap -10℃ Capacity (W)	19160	21800	26100	35400	41100	48600	60800	72900
	Evap -10℃ Input (KW)	9.28	10.27	12.48	16.89	20.1	23.9	30.1	36.0
	Evap -15℃ Capacity (W)	14960	16850	20300	28000	32600	38800	48600	58200
	Evap -15℃ Input (KW)	8.32	9.17	11.23	15.3	18.21	21.7	27.4	32.9
Pipe	Suction Pipe (mm)	Φ35	Φ35	Φ35	Φ42	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	1050
	B (mm)	710	750	800	570	570	600	600	600
	C (mm)	1210	1460	1410	860	860	910	910	910
Mounting Size (a×b) (mm)		1000×665	1000×705	1000×755	800×525	800×525	800×525	800×555	1000×600
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℃; 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 (℃)		-30℃ ~ -15℃							
Refrigerant		R404A / R448A / R449A							
Power supply		380V / 3P / 50Hz							
Condenser	Fan Qty	1	1	1	2	2	2	2	2
	Supply voltage (V)	380	380	380	380	380	380	380	380
	Fan Input (W)	140	180	180	140×2	140×2	180×2	180×2	180×2
Cooling Capacity & Input	Evap -25℃ Capacity (W)	1820	2370	2870	3630	3890	4940	5900	7040
	Evap -25℃ Input (KW)	1.64	1.79	2.21	2.76	3.06	3.84	4.55	5.36
	Evap -30℃ Capacity (W)	1330	1720	2110	2690	2910	3690	4400	5220
	Evap -30℃ Input (KW)	1.42	1.53	1.89	2.39	2.66	3.32	3.94	4.61
	Evap -35℃ Capacity (W)	920	1200	1480	1920	2130	2680	3200	3760
	Evap -35℃ Input (KW)	1.19	1.26	1.58	2.03	2.26	2.8	3.34	3.89
	Evap -45℃ Capacity (W)	590	770	980	1300	1500	1880	2250	2610
	Evap -45℃ Input (KW)	0.97	1.01	1.27	1.67	1.88	2.3	2.76	3.2
Pipe	Suction Pipe (mm)	ϕ16	ϕ22	ϕ22	ϕ22	ϕ22	ϕ28	ϕ28	ϕ28
	Liquid Pipe (mm)	ϕ10	ϕ10	ϕ12	ϕ12	ϕ12	ϕ12	ϕ12	ϕ12
Overall Dimension	A (mm)	620	620	620	960	960	1060	1060	1300
	B (mm)	650	650	650	680	680	680	680	750
	C (mm)	510	560	560	460	510	620	720	670
Mounting Size (a×b) (mm)		580×350	580×350	580×350	920×380	920×380	1020×380	1020×380	1260×410
Condenser Size	A (mm)	/	/	/	/	/	/	/	/
	B (mm)	/	/	/	/	/	/	/	/
	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 (℃)		-30℃ ~ -15℃							
Refrigerant		R404A / R448A / R449A							
Power supply		380V / 3P / 50Hz							
Condenser	Fan Qty	2	2	4	4	4	4	2	2
	Supply Voltage (V)	380	380	380	380	380	380	380	380
	Fan Input (W)	250×2	250×2	180×4	180×4	180×4	180×4	780×2	780×2
Cooling Capacity & Input	Evap -25℃ Capacity (W)	8620	9500	11700	16690	19670	23500	29700	35300
	Evap -25℃ Input (KW)	6.35	6.88	8.58	12.0	14.27	17.13	21.8	26.2
	Evap -30℃ Capacity (W)	6310	6830	8550	12450	14820	17760	22600	26600
	Evap -30℃ Input (KW)	5.38	5.74	7.24	10.35	12.33	14.78	18.95	22.7
	Evap -35℃ Capacity (W)	4460	4710	6030	9000	10870	12980	16680	19460
	Evap -35℃ Input (KW)	4.46	4.64	5.94	8.75	10.46	12.46	16.19	19.35
	Evap -40℃ Capacity (W)	3000	3060	4060	6220	7690	9070	11910	13610
	Evap -40℃ Input (KW)	3.61	3.62	4.72	7.23	8.71	10.4	13.56	16.07
Pipe	Suction Pipe (mm)	ϕ35	ϕ35	ϕ35	ϕ42	ϕ54	ϕ54	ϕ54	ϕ54
	Liquid Pipe (mm)	ϕ16	ϕ16	ϕ22	ϕ22	ϕ22	ϕ22	ϕ22	ϕ28
Overall Dimension	A (mm)	1280	1280	1280	1280	1350	1350	1150	1050
	B (mm)	710	710	750	800	850	850	570	600
	C (mm)	910	910	1210	1460	1410	1410	1000	1050
Mounting Size (a×b) (mm)		1000×665	1000×665	1000×705	1000×755	1000×805	1000×805	800×525	800×555
Condenser Size	A (mm)	/	/	/	/	/	/	1840	1840
	B (mm)	/	/	/	/	/	/	980	980
	C (mm)	/	/	/	/	/	/	1100	1100

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