Bitzer®

SRG/SRB Series Condensing Units with Housing





Nomenclature:

SRB05MY

SR : **Series Code**

B : **Type of Condenser**
B: V type condenser; G: U type condenser

05 : **Compressor Nominal Capacity (HP)**

M : **Temperature**
M: -5 ~ +5°C , L: -15 ~ -30°C

Y : **Refrigerant**
Y: R404A / R448A / R449A



Product Description:

- ★ Widely application for all kinds of coldroom
- ★ System with alarm function
- ★ Copper tube & aluminum fin aircooled heat exchanger
- ★ Low noise & high efficient axial fan motor
- ★ One of the Condenser fan could be turned off with the signal come from the single HP.



Supcool Refrigeration Equipment Factory

Middle & High Temperature SRG Units

Model		SRG02MY	SRG03MY	SRG04MY	SRG05MY	SRG06MY	SRG09MY	SRG12MY	SRG14MY	SRG18MY	SRG23MY
Room Temperature(°C)		-5°C ~ +5°C									
Refrigerant		R404A / R448A / R449A									
Power Supply		380V/3P/50Hz									
Compressor		2DES-2Y	2CES-3Y	4EES-4Y	4DES-5Y	4CES-6Y	4TES-9Y	4PES-12Y	4NES-14Y	4HE-18Y	4GE-23Y
Condenser	Fan Qty	1	1	1	1	1	2	2	2	2	2
	Supply Voltage (V)	220	220	220	220	220	220	220	220	220	220
	Fan Input (W)	250	250	550	550	550	380×2	380×2	750×2	750×2	750×2
Capacity/Input Eavp -5°C	Cooling Capacity (W)	7770	9590	13220	15800	19150	24200	27600	32900	44200	51000
	Input (KW)	3.41	4.16	5.76	6.8	8.13	10.18	11.29	13.63	18.39	22.0
Eavp -10°C	Cooling Capacity (W)	6220	7700	10560	12610	15250	19160	21800	26100	35400	41100
	Input (KW)	3.13	3.84	5.34	6.3	7.51	9.28	10.27	12.48	16.89	20.1
Eavp -15°C	Cooling Capacity (W)	4900	6100	8330	9940	11980	14960	16850	20300	28000	32600
	Input (KW)	2.84	3.5	4.87	5.75	6.82	8.32	9.17	11.23	15.3	18.21
Pipe	Suction Pipe (W)	ϕ22	ϕ22	ϕ28	ϕ28	ϕ28	ϕ35	ϕ35	Φ35	Φ42	ϕ54
	Liquid Pipe (mm)	ϕ12	ϕ12	ϕ12	ϕ12	ϕ12	ϕ16	ϕ16	ϕ22	ϕ22	ϕ22
Overall Dimension	L (mm)	973	973	973	973	973	1360	1360	1876	1876	1876
	W (mm)	715	715	865	865	865	865	865	965	965	965
	H (mm)	815	815	1235	1235	1235	1235	1235	1235	1235	1235
Mounting Size (a×b) (mm)		570×635	570×635	570×825	570×825	570×825	950×825	950×825	755×925	755×925	755×925

Remarks: 1.Ambient Temp. 32°C , condensing temp.45°C .

Middle & Low Temperature SRG Units

Model		SRG04LY	SRG05LY	SRG06LY	SRG09LY	SRG12LY	SRG14LY	SRG18LY	SRG23LY	SRG28LY	SRG34LY
Room Temperature(°C)		-15°C ~ -30°C									
Refrigerant		R404A / R448A / R449A									
Power Supply		380V/3P/50Hz									
Compressor		4EES-4Y	4DES-5Y	4CES-6Y	4TES-9Y	4PES-12Y	4NES-14Y	4HE-18Y	4GE-23Y	4FE-28Y	6GE-34Y
Condenser	Fan Qty	1	1	1	1	1	1	2	2	2	2
	Supply Voltage (V)	220	220	220	220	220	220	220	220	220	220
	Fan Input (W)	250	250	250	550	550	550	380×2	380×2	750×2	750×2
Capacity/Input Eavp -25°C	Cooling Capacity (W)	4940	5900	7040	8620	9500	11700	16690	19670	23500	29700
	Input (KW)	3.84	4.55	5.36	6.35	6.88	8.58	12.0	14.27	17.13	21.8
Eavp -30°C	Cooling Capacity (W)	3690	4400	5220	6310	6830	8550	12450	14820	17760	22600
	Input (KW)	3.32	3.94	4.61	5.38	5.74	7.24	10.35	12.33	14.78	18.95
Eavp -35°C	Cooling Capacity (W)	2680	3200	3760	4460	4710	6030	9000	10870	12980	16680
	Input (KW)	2.8	3.34	3.89	4.46	4.64	5.94	8.75	10.46	12.46	16.19
Eavp -40°C	Cooling Capacity (W)	1880	2250	2610	3000	3060	4060	6220	7690	9070	11910
	Input (KW)	2.3	2.76	3.2	3.61	3.62	4.72	7.23	8.71	10.22	13.56
Pipe	Suction Pipe (mm)	ϕ28	ϕ28	ϕ28	ϕ35	ϕ35	ϕ35	ϕ42	Φ42	ϕ54	ϕ54
	Liquid Pipe (mm)	ϕ12	ϕ12	ϕ12	ϕ16	ϕ16	ϕ22	ϕ22	ϕ22	ϕ22	ϕ22
Overall Dimension	L (mm)	973	973	973	973	973	973	1360	1360	1876	1876
	W (mm)	715	715	715	865	865	865	865	865	965	965
	H (mm)	815	815	815	1235	1235	1235	1235	1235	1235	1235
Mounting Size (a×b) (mm)		570×675	570×675	570×675	570×825	570×825	570×825	950×825	950×825	755×925	755×925

Remarks: 1.Ambient Temp. 32°C , condensing temp.45°C

Middle & High Temperature SRB Units

Model		SRB20MY	SRB25MY	SRB30MY	SRB35MY	SRB40MY	SRB50MY
Room Temperature (℃)		-5℃ ~ +5℃					
Refrigerant		R404A / R448A / R449A					
Power Supply		380V/3P/50Hz					
Compressor		4NES-20Y	4HE-25Y	4GE-30Y	4FE-35Y	6GE-40Y	6FE-50Y
Condenser	Fan Qty	2	2	2	3	3	3
	Supply Voltage (V)	2x12200	2x15000	2x19000	3x13200	3x15000	3x19000
	Fan Input (W)	2x500	2x750	2x1100	3x550	3x750	3x1100
Capacity & Input	Eavp +5℃ Cooling capacity (W)	41600	60900	65900	81600	85000	100300
	Eavp +5℃ Input (KW)	18.05	22.3	26.9	34.4	38.6	45.4
	Eavp -0℃ Cooling Capacity (W)	36000	52200	57900	70800	76400	82280
	Eavp -0℃ Input (KW)	15.85	20.6	25	31.8	38.3	41.4
	Eavp -15℃ Cooling Capacity (W)	21700	30300	36100	43150	48200	58000
	Eavp -15℃ Input (KW)	12.15	15.85	18.85	25.2	27.5	31.4
Pipe	Suction Pipe (mm)	Φ19	Φ19	Φ19	Φ22	Φ22	Φ29
	Liquid Pipe (mm)	Φ41	Φ54	Φ54	Φ54	Φ54	Φ67
Overall Dimension	L (mm)	1750	1900	2250	2650	2950	3400
	W (mm)	1000	1175	1175	1175	1175	1175
	H (mm)	1900	1980	1980	1980	1980	1980
Mounting Size (a × b) (mm)		1050x920	1200x1100	1550x1100	1950x1100	2250x1100	2700x1100

Remarks: 1.Ambient Temp. 32℃ , condensing temp.45℃ .

Middle & Low Temperature SRB Units

Model		SRB18LY	SRB23LY	SRB28LY	SRB34LY	SRB44LY
Room Temperature (℃)		-10℃ ~ -25 ℃				
Refrigerant		R404A / R448A / R449A				
Power Supply		380V/3P/50Hz				
Compressor		4HE-18Y	4GE-23Y	6HE-28Y	6GE-34Y	6FE-44Y
Condenser	Fan Qty	2	22	2	2	2
	Supply Voltage (V)	2X8720	2X10820	2X10820	2X15000	2X19000
	Fan Input (W)	2X600	2X780	2X780	2X750	2X1100
Capacity & Input	Eavp -15℃ Cooling Capacity (W)	25300	28800	31600	41500	46300
	Eavp -15℃ Input (KW)	16.7	19.8	25.4	23.6	27.7
	Eavp -25℃ Cooling Capacity (W)	13250	17200	22400	27000	30400
	Eavp -25℃ Input (KW)	9.56	12.8	14.05	18.5	21.2
	Eavp -35℃ Cooling Capacity (W)	10350	13600	18100	20900	23400
	Eavp -35℃ Input (KW)	8.4	11.05	16.2	16.15	18.15
Pipe	Suction Pipe (mm)	Φ16	Φ29	Φ19	Φ22	Φ22
	Liquid Pipe (mm)	Φ41	Φ54	Φ54	Φ54	Φ67
Overall Dimension	L (mm)	1550	1700	1700	1900	2250
	W (mm)	900	1000	1000	1175	1175
	H (mm)	1500	1780	1780	1980	1980
Mounting Size (a × b) (mm)		900X820	1000X920	1000X920	1200X1100	1550X1100

Remarks: 1.Ambient Temp. 32℃ , condensing temp.45℃ .





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