

Refrigeration Equipment Catalogue



北京浩爽制冷工程科技有限公司

BeiJing HowCool Refrigeration Technology Co.,LTD.

Add.: Room 808,building 2,No.5 Jinghui East Road,BDA,Beijing

<http://www.coldstorage-en.com>

Tel.: +86-010-56866114

whatsapp:15699991368

E-mail: 332444767@qq.com

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Company Profile

HOW Cool is a professional refrigeration engineering company which sets up in 2009 and has passed ISO9001. We specialize in assembly cold storage, cold room, refrigerators, freezer, and manufacture refrigeration equipment. Our company supplies continuous services of cold storage design, solutions providing, construction, installation and maintenance.

Our products include medicine cold storage, fruit and vegetable storage, quick-frozen cold storage, fresh cold storage, dual temperature refrigerators, CA cold storage, logistics cold storage etc .At the same time we can design products according to customers' demands.

Our products are widely used in food industry, logistics and cold chain transportation, pharmaceuticals industry, agriculture and animal husbandry, aquatic products industry etc.

HOW Cool utilizes scientific concept of cold storage engineering design, professional computer aided simulation system and specialized refrigeratory construction schemes. Now our excellent products and service have win good reputation in the masses of customers and counterparts.

We construct many kinds of cold storage and export many refrigeration equipments to foreign countries. Our good products and services have been well- recognized by many foreign customers such as, America, Germany, Japan, New Zealand and many other foreigncountries.

HOW Cool sincerely hope to cooperate with friends worldwide and develop a more prosperous future!



For green, for environmental, we are striving for...

Contents

Condensing Unit



Bitzer Middle and High Temperature Air-cooled Condensing Unit/R22	1
Bitzer Middle and Low Temperature Air-cooled Condensing Unit/R22	3
Bitzer Middle and High Temperature Air-cooled Condensing Unit/R404A	5
Bitzer Middle and Low Temperature Air-cooled Condensing Unit/R404A	7
Bitzer Middle and High Temperature Water-cooled Condensing Unit/R22	9
Bitzer Middle and Low Temperature Water-cooled Condensing Unit/R22	11
Bitzer Two-stage Air-cooled/Water-cooled Condensing Unit	12



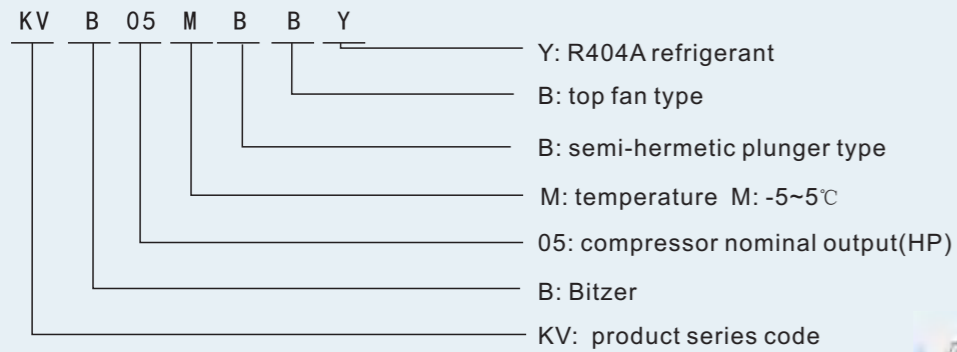
Copeland Hermetic Condensing Unit/R22	14
Copeland Hermetic Condensing Unit/R404A	15
Mutiple Paralleled Compressor Unit Introduction	18

Evaporators

Middle and High Temperature Air Coolers--DL series	21
Middle and Low Temperature Air Coolers--DD series	23
Low Temperature Air Coolers--DJ series	26
Double Side Fan Type Air Coolers--DHF series	29

Bitzer Middle and High Temperature Air-cooled Condensing Unit/Refrigerant:R22

KVB series semi-hermetic box type condensing unit (Bitzer)



Refrigeration Unit Configuration:

Bitzer semi-hermetic compressor; Crankcase heater; Condensing unit; Reservoir; Strainer; Magnetic valve; Pressure controller; High and low voltage table; Interface valve; Junction box



II Technical Data

Bitzer Middle and High Temperature Condensing Unit

Refrigerant: R22

Unit Model	KVB03MBB	KVB04MBB	KVB05MBB	KVB06MBB	KVB07MBB		
Temperature(°C)	-5°C ~5						
Refrigerant	R22						
Power	380V/three phase/50Hz						
Compressor Model	2DES3	2CES4	4FES5	4EES6	4DES7		
Condenser	Fanmotor Quantity	1	1	2	2		
	Voltage(V)	380	380	380	380		
	Power(W)	250	250	200×2	200×2	200×2	
Compressor capacity and input	0°C	Capacity(W)	8250	10130	11730	14390	17550
		Power(KW)	3.23	3.99	4.45	5.56	6.57
	-5°C	Capacity(W)	6610	8140	9400	11550	14110
		Power(KW)	2.98	3.67	4.12	5.12	6.14
	-10°C	Capacity(W)	5200	6430	7390	9110	11150
		Power(KW)	2.72	3.33	3.76	4.65	5.65
Connector	Air suction connector(mm)	φ 22	φ 22	φ 22	φ 28	φ 28	
	Feed flew connector(mm)	φ 12	φ 12	φ 12	φ 12	φ 12	
Overall Dimension	L (mm)	900	900	1030	1030	1030	
	W (mm)	780	780	880	880	880	
	H (mm)	740	740	740	740	740	
Installation Dimension(AxB) mm	450×750	450×750	600×850	600×850	600×850		

Bitzer Middle and High Temperature Air-cooled Condensing Unit/Refrigerant:R22
Unit Technical Data R22

Unit Model	KVB10MBB	KVB12MBB	KVB15MBB	KVB20MBB	KVB25MBB		
Temperature(°C)	-5°C ~5 °C						
Refrigerant	R22						
Power	380V/three phase/50Hz						
Compressor Model	4VES10	4TES12	4PES15	4NES20	4HE25		
Condenser	Fanmotor Quantity	2	2	2	2		
	Voltage(V)	380	380	380	380		
	Power(W)	250×2	450×2	600×2	600×2	800×2	
Compressor capacity and input	0°C	Capacity(W)	23000	27800	33300	38600	50300
		Power(KW)	7.97	9.8	11.23	13.65	17.25
	-5°C	Capacity(W)	18720	22600	27000	31300	40900
		Power(KW)	7.43	9.13	10.45	12.6	16.1
	-10°C	Capacity(W)	14990	18120	21600	25100	32800
		Power(KW)	6.82	8.39	9.6	11.46	14.83
Connector	Air suction connector(mm)	φ 28	φ 35	φ 35	φ 42	φ 54	
	Feed flew connector(mm)	φ 16	φ 16	φ 22	φ 22	φ 22	
Overall Dimension	L (mm)	1550	1550	1550	1550	1860	
	W (mm)	965	965	965	965	1090	
	H (mm)	1700	1700	1700	1700	1800	
Installation Dimension(AxB) mm	1000×915	1000×915	1000×915	1000×915	1400×1040		

Bitzer Middle and High Temperature Air-cooled Condensing Unit

Unit Model	KVB30MBB	KVB35MBB	KVB40MBB	KVB50MBB		
Temperature(°C)	-5°C ~5 °C					
Refrigerant	R22					
Power	380V/three phase/50Hz					
Compressor Model	4GE30	6HE35	6GE40	6FE50		
Condenser	Fanmotor Quantity	2	3	3		
	Voltage(V)	380	380	380		
	Power(W)	800×2	800×3	800×3		
Compressor capacity and input	0°C	Capacity(W)	57700	75600	86600	102500
		Power(KW)	20.4	25.9	30.7	37.9
	-5°C	Capacity(W)	46900	61400	70400	83500
		Power(KW)	19.04	24.2	28.6	35.5
	-10°C	Capacity(W)	37600	49200	56500	67300
		Power(KW)	17.57	22.3	26.4	32.8
Connector	Air suction connector(mm)	φ 54	φ 54	φ 54	φ 54	
	Feed flew connector(mm)	φ 22	φ 28	φ 28	φ 28	
Overall Dimension	L (mm)	1860	2660	2660	2660	
	W (mm)	1090	1090	1090	1090	
	H (mm)	1800	1800	1800	1800	
Installation Dimension(AxB) mm	1400×1040	2*1100×1040	2*1100×1040	2*1100×1040		

Bitzer Middle and High Temperature Air-cooled Condensing Unit R22 Refrigerant

Unit Model		KVB03LBB	KVB04LBB	KVB05LBB	KVB06LBB	
Temperature(°C)		-15°C ~20 °C				
Refrigerant		R22				
Power		380V/three phase/50Hz				
Compressor Model		2CES3	4EES4	4DES5	4CES6	
Condenser	Fanmotor Quantity	1	2	2	2	
	Voltage(V)	380	380	380	380	
	Power(W)	180	180×2	180×2	180×2	
Compressor capacity and input	-20°C	Capacity(W)	4230	5860	6930	7940
		Power(KW)	2.79	4.01	4.67	5.67
	-25°C	Capacity(W)	3150	4430	5260	5780
		Power(KW)	2.46	3.57	4.23	5.0
	-30°C	Capacity(W)	2280	3250	3880	---
		Power(KW)	2.19	3.04	3.82	---
Connector	Air suction connector(mm)	φ 22	φ 22	φ 28	φ 28	
	Feed flew connector(mm)	φ 12	φ 12	φ 12	φ 12	
Overall Dimension	L (mm)	900	1030	1030	1030	
	W (mm)	780	880	880	880	
	H (mm)	740	740	740	740	
Installation Dimension (AxB) mm		450×750	600×850	600×850	600×850	

Technical Data R22

Unit Model		KVB09LBB	KVB12LBB	KVB14LBB	KVB18LBB	
Temperature(°C)		-15°C ~20 °C				
Refrigerant		R22				
Power		380V/three phase/50Hz				
Compressor Model		4TES9	4PES12	4NES14	4HE18	
Condenser	Fanmotor Quantity	2	2	2	2	
	Voltage(V)	380	380	380	380	
	Power(W)	250×2	250×2	250×2	450×2	
Compressor capacity and input	-20°C	Capacity(W)	11330	13140	15500	19790
		Power(KW)	6.87	7.88	9.2	12.5
	-25°C	Capacity(W)	8550	9930	11600	14910
		Power(KW)	6.09	6.91	8.09	10.85
	-30°C	Capacity(W)	6260	7250	8460	10820
		Power(KW)	5.25	5.89	6.94	9.21
Connector	Air suction connector(mm)	φ 35	φ 35	φ 35	φ 42	
	Feed flew connector(mm)	φ 16	φ 16	φ 22	φ 22	
Overall Dimension	L (mm)	1350	1350	1350	1550	
	W (mm)	800	800	800	965	
	H (mm)	1440	1440	1440	1700	
Installation Dimension (AxB) mm		1000×750	1000×750	1000×750	1000×915	

Bitzer Middle and High Temperature Air-cooled Condensing Unit

Technical Data R22

Unit Model		KVB23LBB	KVB28LBB	KVB34LBB	KVB44LBB	
Temperature(°C)		-15°C ~20 °C				
Refrigerant		R22				
Power		380V/three phase/50Hz				
Compressor Model		4GE23	6HE28	6GE34	6FE44	
Condenser	Fanmotor Quantity	2	2	2	2	
	Voltage(V)	380	380	380	380	
	Power(W)	600×2	600×2	800×2	800×2	
Compressor capacity and input	-20°C	Capacity(W)	23000	29700	34500	41500
		Power(KW)	14.83	18.75	22.2	27
	-25°C	Capacity(W)	17330	22400	26000	31400
		Power(KW)	13.14	16.28	19.71	23.7
	-30°C	Capacity(W)	12600	16240	18900	23000
		Power(KW)	11.23	13.81	16.85	20.2
Connector	Air suction connector(mm)	φ 54	φ 54	φ 54	φ 54	
	Feed flew connector(mm)	φ 22	φ 22	φ 22	φ 28	
Overall Dimension	L (mm)	1550	1550	1860	1860	
	W (mm)	965	965	1090	1090	
	H (mm)	1700	1700	1800	1800	
Installation Dimension(AxB) mm		1000×915	1000×915	1400×1040	1400×1040	

Condensing Unit Appearance Schematic Diagram



Condensing Unit On Site



Finished Condensing Unit Installation



Finished Condensing Unit Installation



Bitzer Middle and High Temperature Air-cooled Condensing Unit R404A Refrigerant

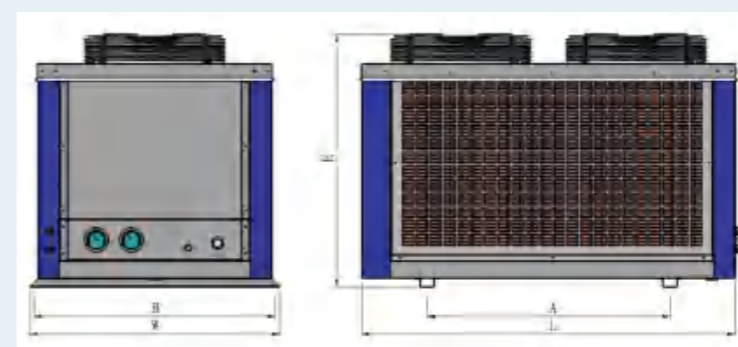
Unit Model		KVB03MBBY	KVB04MBBY	KVB05MBBY	KVB06MBBY	KVB07MBBY	
Temperature(°C)		-5°C ~ 5 °C					
Refrigerant		R404A					
Power		380V/three phase/50Hz					
Compressor Model		2DES3Y	2CES4Y	4FES5Y	4EES6Y	4DES7Y	
Condenser	Fanmotor Quantity	1	1	2	2	2	
	Voltage(V)	380	380	380	380	380	
	Power(W)	250	250	200×2	200×2	200×2	
Compressor capacity and input	0°C	Capacity(W)	8060	9860	10880	13740	16320
		Power(KW)	3.8	4.68	5.07	6.37	7.46
	-5°C	Capacity(W)	6480	7950	8760	11050	13120
		Power(KW)	3.55	4.36	4.75	5.95	7.0
	-10°C	Capacity(W)	5140	6330	6960	8770	10400
		Power(KW)	3.27	4.01	4.39	5.47	6.46
Connector	Air suction connector(mm)	φ 22	φ 22	φ 22	φ 28	φ 28	
	Feed flew connector(mm)	φ 12	φ 12	φ 12	φ 12	φ 12	
Overall Dimension	L (mm)	900	900	1030	1030	1030	
	W (mm)	780	780	880	880	880	
	H (mm)	740	740	740	740	740	
Installation Dimension (AxB) mm		450×750	450×750	600×850	600×850	600×850	

Technical Data R404A

Unit Model		KVB10MBBY	KVB12MBBY	KVB15MBBY	KVB20MBBY	KVB25MBBY	
Temperature(°C)		-5°C ~ 5 °C					
Refrigerant		R404A					
Power		380V/three phase/50Hz					
Compressor Model		4VES10Y	4TES12Y	4PES15Y	4NES20Y	4HE25Y	
Condenser	Fanmotor Quantity	2	2	2	2	2	
	Voltage(V)	380	380	380	380	380	
	Power(W)	250×2	450×2	600×2	600×2	800×2	
Compressor capacity and input	0°C	Capacity(W)	21300	25600	30800	35900	46900
		Power(KW)	9.13	11.2	12.8	15.2	20.8
	-5°C	Capacity(W)	17050	20600	24700	28700	37800
		Power(KW)	8.44	10.33	11.73	13.95	19.3
	-10°C	Capacity(W)	13450	16320	19490	22600	30100
		Power(KW)	7.68	9.42	10.66	12.63	17.7
Connector	Air suction connector(mm)	φ 28	φ 35	φ 35	φ 42	φ 54	
	Feed flew connector(mm)	φ 16	φ 16	φ 22	φ 22	φ 22	
Overall Dimension	L (mm)	1550	1550	1550	1550	1860	
	W (mm)	965	965	965	965	1090	
	H (mm)	1700	1700	1700	1700	1800	
Installation Dimension (AxB) mm		1000×915	1000×915	1000×915	1000×915	1400×1040	

Bitzer Middle and High Temperature Air-cooled Condensing Unit R404A

Unit Model		KVB30MBBY	KVB35MBBY	KVB40MBBY	KVB50MBBY	
Temperature(°C)		-5°C ~ 5 °C				
Refrigerant		R404A				
Power		380V/three phase/50Hz				
Compressor Model		4GE30Y	6HE35Y	6GE40Y	6FE50Y	
Condenser	Fanmotor Quantity	2	3	3	3	
	Voltage(V)	380	380	380	380	
	Power(W)	800×2	800×3	800×3	800×3	
Compressor capacity and input	0°C	Capacity(W)	54100	70300	80900	95600
		Power(KW)	24.5	31.2	36.4	44.8
	-5°C	Capacity(W)	43700	56700	65400	77200
		Power(KW)	22.6	29.0	33.7	41.3
	-10°C	Capacity(W)	34800	45100	52200	61700
		Power(KW)	20.6	26.6	30.9	37.6
Connector	Air suction connector(mm)	φ 54	φ 54	φ 54	φ 54	
	Feed flew connector(mm)	φ 22	φ 28	φ 28	φ 28	
Overall Dimension	L (mm)	1860	2660	2660	2660	
	W (mm)	1090	1090	1090	1090	
	H (mm)	1800	1800	1800	1800	
Installation Dimension (AxB) mm		1400×1040	2*1100×1040	2*1100×1040	2*1100×1040	



3-10P Unit Outline Drawing



10-50P Unit Outline Drawing

Bitzer Middle and Low Temperature Air-cooled Condensing Unit R404A Refrigerant

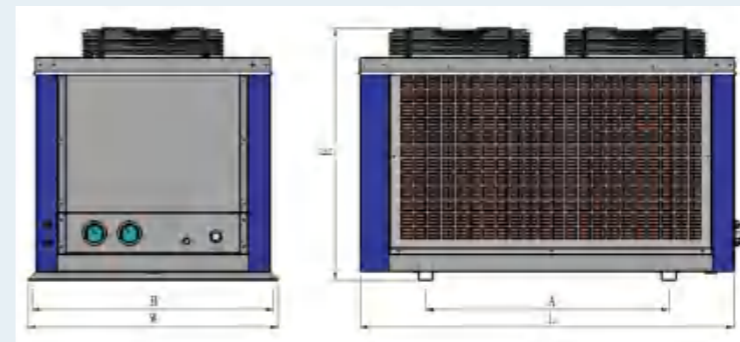
Unit Model		KVB03LBBY	KVB04LBBY	KVB05LBBY	KVB06LBBY	
Temperature(°C)		-15°C ~20 °C				
Refrigerant		R404A				
Power		380V/three phase/50Hz				
Compressor Model		2CES3Y	4EES4Y	4DES5Y	4CES6Y	
Condenser	Fanmotor Quantity	1	2	2	2	
	Voltage(V)	380	380	380	380	
	Power(W)	180	180×2	180×2	180×2	
Compressor capacity and input	-20°C	Capacity(W)	3810	5140	6330	7700
		Power(KW)	3.21	4.33	5.3	6.51
	-25°C	Capacity(W)	2870	3850	4750	5800
		Power(KW)	2.8	3.77	4.62	5.71
	-30°C	Capacity(W)	2090	2790	3450	4240
		Power(KW)	2.4	3.2	3.92	4.87
Connector	Air suction connector(mm)	φ 22	φ 22	φ 28	φ 28	
	Feed flow connector(mm)	φ 12	φ 12	φ 12	φ 12	
Overall Dimension	L (mm)	900	1030	1030	1030	
	W (mm)	780	880	880	880	
	H (mm)	740	740	740	740	
Installation Dimension (AxB) mm		450×750	600×850	600×850	600×850	

Unit Model		KVB09LBBY	KVB12LBBY	KVB14LBBY	KVB18LBBY	
Temperature(°C)		-15°C ~20 °C				
Refrigerant		R404A				
Power		380V/three phase/50Hz				
Compressor Model		4TES9Y	4PES12Y	4NES14Y	4HE18Y	
Condenser	Fanmotor Quantity	2	2	2	2	
	Voltage(V)	380	380	380	380	
	Power(W)	250×2	250×2	250×2	250×2	
Compressor capacity and input	-20°C	Capacity(W)	9820	11460	13260	18490
		Power(KW)	7.7	8.8	10.4	14.8
	-25°C	Capacity(W)	7330	8530	9870	14000
		Power(KW)	6.65	7.53	8.9	12.9
	-30°C	Capacity(W)	5290	6130	7090	10310
		Power(KW)	5.61	6.28	7.5	11.02
Connector	Air suction connector(mm)	φ 35	φ 35	φ 35	φ 42	
	Feed flow connector(mm)	φ 16	φ 16	φ 22	φ 22	
Overall Dimension	L (mm)	1350	1350	1350	1550	
	W (mm)	800	800	800	965	
	H (mm)	1440	1440	1440	1700	
Installation Dimension (AxB) mm		1000×750	1000×750	1000×750	1000×915	

Bitzer Middle and Low Temperature Air-cooled Condensing Unit R404A

Unit Model		KVB23LBBY	KVB28LBBY	KVB34LBBY	KVB44LBBY	
Temperature(°C)		-15°C ~20 °C				
Refrigerant		R404A				
Power		380V/three phase/50Hz				
Compressor Model		4GE23Y	6HE28Y	6GE34Y	6FE44Y	
Condenser	Fanmotor Quantity	2	2	2	2	
	Voltage(V)	380	380	380	380	
	Power(W)	600×2	600×2	800×2	800×2	
Compressor capacity and input	-20°C	Capacity(W)	21300	27700	31500	36900
		Power(KW)	17	22.2	25.2	29.3
	-25°C	Capacity(W)	16240	21000	23900	27800
		Power(KW)	14.9	19.3	21.9	25.5
	-30°C	Capacity(W)	12020	15490	17600	20200
		Power(KW)	12.7	16.43	18.7	21.6
Connector	Air suction connector(mm)	φ 54	φ 54	φ 54	φ 54	
	Feed flow connector(mm)	φ 22	φ 22	φ 22	φ 28	
Overall Dimension	L (mm)	1550	1550	1860	1860	
	W (mm)	965	965	1090	1090	
	H (mm)	1700	1700	1800	1800	
Installation Dimension (AxB) mm		1000×915	1000×915	1400×1040	1400×1040	

Note: Condensing temp:50°C; Inspiratory superheat:10K;
When evaporation temperature is low, CIC Spraying System must be added.



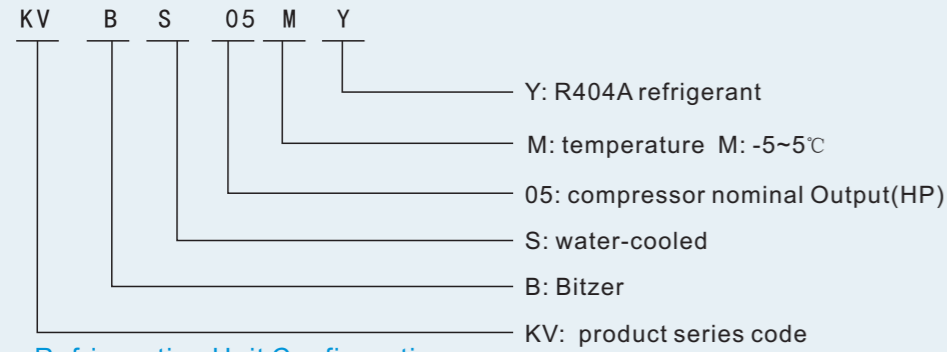
3-10P Unit Outline Drawing



10-50P Unit Outline Drawing

Bitzer Middle and High Temperature Water-cooled Condensing Unit/Refrigerant:R22

KVB series semi-hermetic box type condensing unit (Bitzer)



Refrigeration Unit Configuration:

Bitzer semi-hermetic compressor; Crankcase heater; Condensing unit; Reservoir; Strainer; Magnetic valve; Pressure controller; High and low voltage table; Interface valve; Junction box; Above 25HP, oil pressure differential controller

Features:

- ◆ Choosing Bitzer Semi-hermetic cooling compressor, smooth in operation, low noise and small vibration;
- ◆ Using copper tube and aluminum fin heat exchanger, wide prevailing wind, high heat exchange efficiency, long service life
- ◆ Adopting exterior rotor air blower, good fan appearance, low noise;
- ◆ Built-in junction box for convenient wiring.

II Technical Data

Bitzer Middle and High Temperature Water-cooled Condensing Unit

R22

Unit Model	KVBS03M	KVBS4M	KVBS05	KVBS06M	KVBS07M		
Temperature(°C)	-5°C ~5						
Refrigerant	R22						
Power	380V/three phase/50Hz						
Compressor Model	2DES3	2CES4	4FES5	4EES6	4DES7		
Rated Water Flow (m3/h)	2.5	3.1	3.5	4.3	5.2		
Compressor capacity and input	0°C	Capacity(W)	9640	11920	13600	16740	20300
		Power(KW)	2.84	3.51	3.86	4.83	5.66
	-5°C	Capacity(W)	7830	9710	11020	13600	16520
		Power(KW)	2.69	3.31	3.66	4.56	5.4
	-10°C	Capacity(W)	6270	7800	8800	10900	13230
		Power(KW)	2.5	3.06	3.4	4.22	5.06
Connector	Air suction connector(mm)	φ22	φ22	φ22	φ28	φ28	
	Feed flow connector(mm)	φ12	φ12	φ12	φ12	φ16	
Overall Dimension	L (mm)	745	935	1085	1085	1255	
	W (mm)	350	370	370	370	410	
	H (mm)	555	625	665	665	670	
Installation Dimension (AxB) mm	510×290	600×320	710×320	710×320	800×320		

Technical Data R22

Unit Model	KVBS09M	KVBS10M	KVBS12M	KVBS15M	KVBS20M		
Temperature(°C)	-5°C ~5						
Refrigerant	R22						
Power	380V/three phase/50Hz						
Compressor Model	4CES9	4VES10	4TES12	4PES15	4NES20		
Rated Water Flow (m3/h)	6.3	6.8	8.1	10	11.3		
Compressor capacity and input	0°C	Capacity(W)	24400	26700	32200	38400	44500
		Power(KW)	7.0	6.97	8.52	9.88	12.1
	-5°C	Capacity(W)	19890	21800	26300	31400	36300
		Power(KW)	6.64	6.61	8.09	9.35	11.34
	-10°C	Capacity(W)	15990	17630	21300	25300	29300
		Power(KW)	6.21	6.17	7.56	8.72	10.51
Connector	Air suction connector(mm)	φ28	φ28	φ35	φ42	φ42	
	Feed flow connector(mm)	φ16	φ16	φ16	φ16	φ22	
Overall Dimension	L (mm)	1255	1295	1295	1295	1295	
	W (mm)	410	480	480	480	525	
	H (mm)	670	770	770	770	770	
Installation Dimension (AxB) mm	800×320	850×390	850×390	850×390	850×390		

Bitzer Middle and High Temperature Water-cooled Condensing Unit

R22

Unit Model	KVBS25M	KVBS30M	KVBS35M	KVBS40M	KVBS50M		
Temperature(°C)	-5°C ~5						
Refrigerant	R22						
Power	380V/three phase/50Hz						
Compressor Model	4HE25	4GE30	6HE35	6GE40	6FE50		
Rated Water Flow (m3/h)	14.5	16.5	21.5	25.0	29.5		
Compressor capacity and input	0°C	Capacity(W)	56600	64900	85000	97400	115000
		Power(KW)	15.1	17.4	22.6	26.6	33.3
	-5°C	Capacity(W)	46300	53000	69500	79600	94100
		Power(KW)	14.2	16.7	21.3	25.0	31.3
	-10°C	Capacity(W)	37300	42800	56100	64300	76200
		Power(KW)	13.2	15.5	19.8	23.2	29.0
Connector	Air suction connector(mm)	φ54	φ54	φ54	φ54	φ54	
	Feed flow connector(mm)	φ22	φ22	φ28	φ28	φ28	
Overall Dimension	L (mm)	1295	1295	1650	1650	2095	
	W (mm)	565	565	600	600	600	
	H (mm)	840	840	830	830	830	
Installation Dimension (AxB) mm	850×390	850×390	1200×390	1200×390	1200×390		

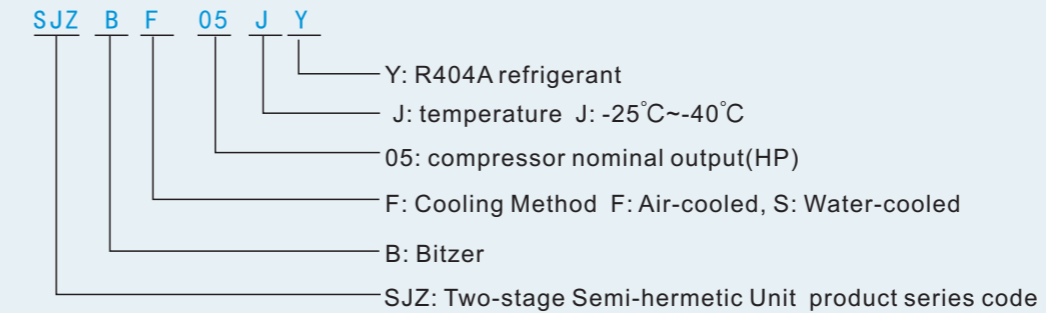
Unit Model		KVBS03L	KVBS04L	KVBS05L	KVBS06L	KVBS08L	
Temperature(°C)		-15°C ~ -20°C					
Refrigerant		R22					
Power		380V/three phase/50Hz					
Compressor Model		4FES3	4EES4	4DES5	4CES6	4TES9	
Rated Water Flow (m3/h)		1.8	2.2	2.6	3.0	4.0	
Compressor capacity and input	-20°C	Capacity(W)	5770	7250	8480	9780	13540
		Power(KW)	3.0	3.7	4.4	5.2	6.4
	-25°C	Capacity(W)	4440	5590	6560	7380	10430
		Power(KW)	2.6	3.3	3.9	4.7	5.7
	-30°C	Capacity(W)	3330	4220	4950	5360	7790
		Power(KW)	2.3	2.9	3.5	4.1	5.1
Connector	Air suction connector(mm)	φ 22	φ 28	φ 28	φ 28	φ 35	
	Feed flow connector(mm)	φ 12	φ 12	φ 12	φ 12	φ 16	
Overall Dimension	L (mm)	745	745	935	935	1138	
	W (mm)	290	290	370	370	380	
	H (mm)	610	610	670	670	715	
Installation Dimension (AxB) mm		510×290	510×290	600×320	600×320	710×320	

Technical Data R22

Unit Model		KVBS12L	KVBS14L	KVBS18L	KVBS23L	KVBS28L	KVBS34L	KVBS44L	
Temperature(°C)		-15°C ~ -20°C							
Refrigerant		R22							
Power		380V/three phase/50Hz							
Compressor Model		4PES12	4NES14	4HE18	4GE23	6HE28	6GE34	6FE44	
Rated Water Flow (m3/h)		4.6	5.4	6.8	8.0	10.0	12.0	14.5	
Compressor capacity and input	-20°C	Capacity(W)	15680	18340	23000	26500	34500	39800	47500
		Power(KW)	7.4	8.7	11.2	13.1	16.8	19.6	24.3
	-25°C	Capacity(W)	12060	14140	17540	20400	26300	30600	36700
		Power(KW)	6.6	7.6	9.8	11.4	14.6	17.2	21.4
	-30°C	Capacity(W)	9020	10490	13130	15250	19720	22900	27700
		Power(KW)	5.7	6.7	8.7	10.4	13.0	15.5	18.6
Connector	Air suction connector(mm)	φ 35	φ 35	φ 42	φ 54	φ 54	φ 54	φ 54	
	Feed flow connector(mm)	φ 16	φ 16	φ 22	φ 22	φ 22	φ 22	φ 28	
Overall Dimension	L (mm)	1255	1255	1295	1295	1295	1295	1650	
	W (mm)	415	415	585	565	595	595	600	
	H (mm)	715	715	835	840	830	830	830	
Installation Dimension (AxB) mm		800×320	800×320	850×390	850×390	850×390	850×390	1200×390	

Features:

- ◆ Choosing semi-hermetic two-stage compressor, with good quality and high reliability;
- ◆ Choosing famous refrigeration accessories with complete configuration, guaranteeing the reliable operation of the machine;
- ◆ Having low evaporation temperature, when using R22 refrigerant, minimum evaporation temperature can reach -50 °C; When using R404A refrigerant, minimum evaporation temperature is up to -65 °C. This can be used in low temperature box, quick frozen equipment etc.



Refrigeration Unit Configuration:

Two-stage compressor; Crankcase heater; Dashpot; Oil separator; Condenser; Reservoir; Strainer; Night vision; Magnetic valve; Subcooler; Gas-liquid separator; Pressure controller; Junction box.

Two-stage Air-cooled Condensing Unit

Unit Model		SJZBF05J	SJZBF08J	SJZBF12J	SJZBF16J	SJZBF20J	SJZBF25J	★SJZBF30J	
Temperature(°C)		-25°C ~ -40°C							
Refrigerant		R22							
Power		380V/three phase/50Hz							
Compressor Model		S4T5.2	S4N8.2	S4G12.2	S6J16.2	S6H20.2	S6G25.2	S6F30.2	
Condenser	Fanmotor Quantity	2	2	4	4	4	4	2	
	Voltage(V)	380	380	380	380	380	380	380	
	Power(W)	180×2	180×2	180×4	180×4	180×4	180×4	800×2	
Compressor capacity and input	-35°C	Capacity(W)	5000	7240	10930	16320	18920	21700	26000
		Power(KW)	3.75	5.6	8.46	11.97	13.87	15.92	19.05
	-40°C	Capacity(W)	3950	5680	8580	12920	14980	17200	20600
		Power(KW)	3.41	5.08	7.68	10.58	12.26	14.07	16.84
	-45°C	Capacity(W)	3020	4310	6510	9810	11370	13060	15620
		Power(KW)	3.04	4.56	6.89	9.17	10.63	12.2	14.6
Connector	Air suction connector(mm)	φ 28	φ 28	φ 35	φ 42	φ 42	φ 42	φ 42	
	Feed flow connector(mm)	φ 16	φ 16	φ 22	φ 22	φ 22	φ 22	φ 22	
Overall Dimension	A (mm)	1085	1270	1270	1270	1340	1340	1250	
	B (mm)	930	930	1050	1050	1110	1130	730	
	C (mm)	660	810	1210	1460	1410	1410	927	
Installation Dimension (AxB) mm		800×885	800×885	1000×1005	1000×1005	1000×1065	1000×1085	910×685	

Note: 1. design condensing temp:45°C; 2. using R404A refrigerant parameter for future reference; 3. not including condenser.

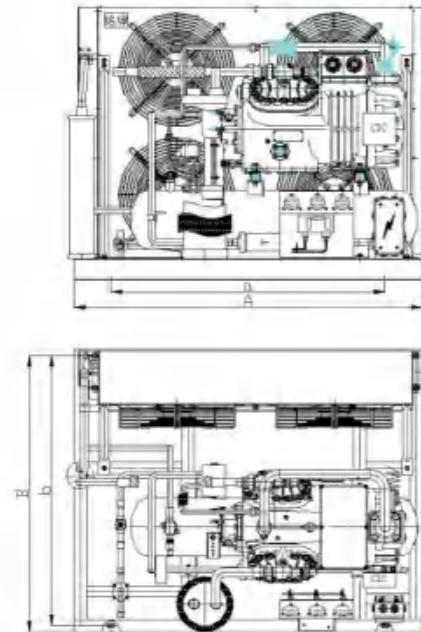
Two-stage Air-cooled Condensing Unit

Unit Model		SJZBS05J	SJZBS08J	SJZBS12J	SJZBS16J	SJZBS20J	SJZBS25J	SJZBS30J	
Temperature(°C)		-25°C~-40°C							
Refrigerant		R22							
Power		380V/three phase/50Hz							
Compressor Model		S4T-5.2	S4N-8.2	S4G-12.2	S6J-16.2	S6H-20.2	S6G-25.2	S6F-30.2	
Condenser	Type	Shell and Tube Type							
	Rated Water Flow(m³/h)	2	3	4	5.6	6.6	7.5	10	
	Water Outlet Spec	1-1/4"	1-1/2"	1-1/2"	2"	2"	2"	2- 1/2"	
Compressor capacity and input	-35°C	Capacity(W)	5100	7380	11150	16490	19120	21900	26300
		Power(KW)	3.55	5.3	8.0	11.35	13.2	15.1	18.1
	-40°C	Capacity(W)	4010	5810	8780	13090	15170	17420	20800
		Power(KW)	3.23	4.81	7.26	10.1	11.67	13.4	16.0
	45°C	Capacity(W)	3080	4440	6700	1000	11600	13310	15930
		Power(KW)	2.88	4.33	6.54	8.8	10.2	11.7	14.0
Connector	Air suction connector(mm)	φ 28	φ 28	φ 35	φ 42	φ 42	φ 42	φ 42	
	Feed flow connector(mm)	φ 22	φ 22	φ 28	φ 28	φ 28	φ 28	φ 28	
Overall Dimension	A (mm)	900	1050	1260	1300	1300	1300	1300	
	B (mm)	650	650	720	720	720	720	720	
	C (mm)	795	855	950	990	990	990	990	
Installation Dimension(AxB) mm		500×605	650×605	800×675	880×675	880×675	880×675	880×675	

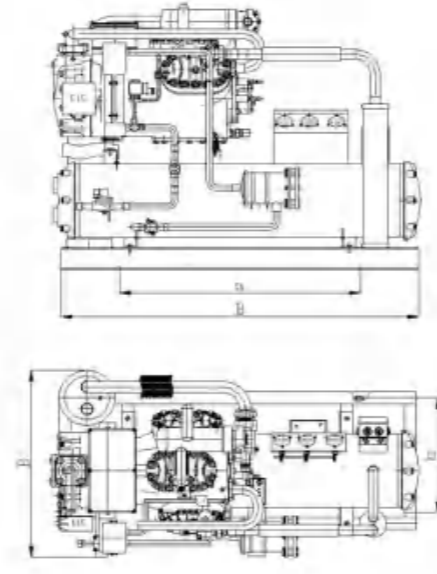
Note: 1.design condensing temp:40°C; 2. using R404A refrigerant parameter for future reference.

Refrigeration Structure Diagram

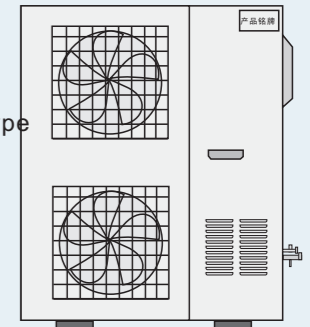
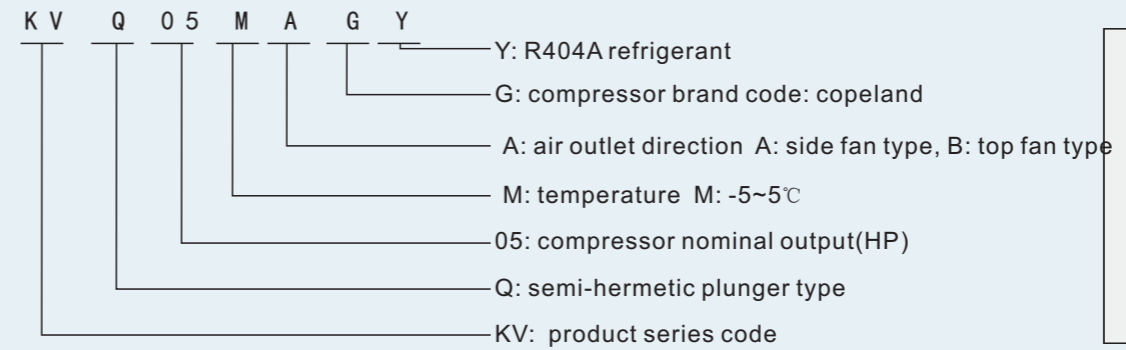
Air-Cooled Refrigeration Unit Diagram



Water-Cooler Refrigeration Unit Diagram



Copeland Hermetic Air-cooled Compressor Unit



Refrigeration Unit Configuration:

Compressor; Condenser; Crankcase heater; Reservoir; Strainer; Magnetic valve; Pressure controller; High and low voltage table; Interface valve; Junction box.

Features:

- ◆ Choosing box type and integral type structure, smooth in operation, low noise and small vibration;
- ◆ Using copper tube and aluminum fin heat exchanger, wide prevailing wind, high heat exchange efficiency, long service life;
- ◆ Adopting exterior rotor air blower, good fan appearance, low noise;
- ◆ Built-in junction box for convenient wiring.



Side Fan Type Refrigeration Unit(ZB compressor): R22 Refrigerant

Unit Model		KVQ02HAG	KVQ03HAG	KVQ04HAG	KVQ05HAG	
Temperature(°C)		5°C ~10°C				
Refrigerant		R22				
Power		380V/three phase/50Hz				
Compressor Model		ZB15KQ	ZB21KQ	ZB29KQ	ZB38KQ	
Condenser	Fanmotor Quantity	1	1	2	2	
	Voltage(V)	220	220	220	220	
	Power(W)	60	60	60×2	60×2	
Compressor capacity and input	7°C	Capacity(W)	5190	8490	11600	14050
		Power(KW)	1570	2570	3280	4050
	5°C	Capacity(W)	4830	7900	10620	13100
		Power(KW)	1580	2560	3270	4010
	0°C	Capacity(W)	4550	6590	8880	10750
		Power(KW)	1810	2530	3230	3940
Connector	Air suction connector(mm)	φ 19	φ 19	φ 19	φ 19	
	Feed flow connector(mm)	φ 10	φ 10	φ 12	φ 12	
Overall Dimension	L (mm)	1020	1020	1020	1020	
	W (mm)	420	420	420	420	
	H (mm)	840	840	1240	1240	
Installation Dimension(AxB) mm		580×380	580×380	580×380	580×380	

Note: Condensing temp:50°C; Inspiratory superheat:10K.

Copeland Hermetic Air-cooled Compressor Unit

R22

Unit Model		KVQ02MAG	KVQ03MAG	KVQ04MAG	KVQ05MAG	KVQ06MAG	
Temperature(°C)		-5°C ~ 5 °C					
Refrigerant		R22					
Power		380V/three phase/50Hz					
Compressor Model		ZB15KQ	ZB21KQ	ZB29KQ	ZB38KQ	ZB45KQ	
Condenser	Fanmotor Quantity	1	1	1	2	2	
	Voltage(V)	220	220	220	220	220	
	Power(W)	60	60	60	60×2	60×2	
Compressor capacity and input	-5°C	Capacity(W)	3750	5450	7370	8690	11000
		Power(KW)	1840	2500	3190	3900	4780
	-7°C	Capacity(W)	3450	5040	6670	7930	10150
		Power(KW)	1850	2490	3170	3900	4790
	-10°C	Capacity(W)	3040	4450	5970	6880	8970
		Power(KW)	1870	2480	3160	3890	4800
Connector	Air suction connector(mm)	φ 19	φ 19	φ 19	φ 19	φ 19	
	Feed flow connector(mm)	φ 10	φ 10	φ 12	φ 12	φ 12	
Overall Dimension	L (mm)	1020	1020	1020	1020	1020	
	W (mm)	420	420	420	420	420	
	H (mm)	840	840	840	1240	1240	
Installation Dimension(AxB) mm		580×380	580×380	580×380	580×380	580×380	

Note: Condensing temp:50°C; Inspiratory superheat:10K.

Copeland Hermetic Air-cooled Compressor Unit

R404A

Unit Model		KVQ02HAGY	KVQ03HAGY	KVQ04HAGY	KVQ05HAGY	
Temperature(°C)		5°C ~ 10 °C				
Refrigerant		R22				
Power		380V/three phase/50Hz				
Compressor Model		ZB15KQE	ZB21KQE	ZB29KQE	ZB38KQE	
Condenser	Fanmotor Quantity	1	1	2	2	
	Voltage(V)	220	220	220	220	
	Power(W)	60	60	60×2	60×2	
Compressor capacity and input	7°C	Capacity(W)	5470	8220	11350	14050
		Power(KW)	1910	2760	3670	4640
	5°C	Capacity(W)	5060	7620	10500	13000
		Power(KW)	1920	2770	3680	4650
	0°C	Capacity(W)	4140	6290	8630	10700
		Power(KW)	1960	2790	3710	4670
Connector	Air suction connector(mm)	φ 19	φ 19	φ 19	φ 19	
	Feed flow connector(mm)	φ 10	φ 10	φ 12	φ 12	
Overall Dimension	L (mm)	1020	1020	1020	1020	
	W (mm)	420	420	420	420	
	H (mm)	840	840	1240	1240	
Installation Dimension(AxB) mm		580×380	580×380	580×380	580×380	

Note: Condensing temp:50°C; Inspiratory superheat:10K.

Copeland Hermetic Air-cooled Compressor Unit

R404A

Unit Model		KVQ02MAGY	KVQ03MAGY	KVQ04MAGY	KVQ05MAGY	KVQ06MAGY	
Temperature(°C)		-5°C ~ 5 °C					
Refrigerant		R404A					
Power		380V/three phase/50Hz					
Compressor Model		ZB15KQE	ZB21KQE	ZB29KQE	ZB38KQE	ZB45KQE	
Condenser	Fanmotor Quantity	1	1	1	2	2	
	Voltage(V)	220	220	220	220	220	
	Power(W)	60	60	60	60×2	60×2	
Compressor capacity and input	-5°C	Capacity(W)	3350	5150	7030	8730	10250
		Power(KW)	2030	2810	3740	4680	5340
	-7°C	Capacity(W)	3070	4740	6460	8030	9440
		Power(KW)	2060	2820	3750	4680	5350
	-10°C	Capacity(W)	2670	4170	5670	7060	8320
		Power(KW)	2100	2820	3770	4680	5360
Connector	Air suction connector(mm)	φ 19	φ 19	φ 19	φ 19	φ 19	
	Feed flow connector(mm)	φ 10	φ 10	φ 12	φ 12	φ 12	
Overall Dimension	L (mm)	1020	1020	1020	1020	1020	
	W (mm)	420	420	420	420	420	
	H (mm)	840	840	840	1240	1240	
Installation Dimension(AxB) mm		580×380	580×380	580×380	580×380	580×380	

Note: Condensing temp:50°C; Inspiratory superheat:10K.

R404A

Unit Model		KVQ03LBGY	KVQ04LBGY	KVQ05LBGY	KVQ06LBGY	
Temperature(°C)		-15 ~ -18 °C				
Refrigerant		R404A				
Power		380V/three phase/50Hz				
Compressor Model		ZB21KQE	ZB29KQE	ZB38KQE	ZB45KQE	
Condenser	Fanmotor Quantity	1	1	1	1	
	Voltage(V)	380	380	380	380	
	Power(W)	200	200	250	250	
Compressor capacity and input	-20°C	Capacity(W)	2660	3800	4480	5310
		Power(KW)	2830	3760	4670	5350
	-23°C	Capacity(W)	2300	3300	3880	4600
		Power(KW)	2830	3760	4660	5340
	-25°C	Capacity(W)	2080	3000	3510	4160
		Power(KW)	2830	3760	4650	5320
Connector	Air suction connector(mm)	φ 19	φ 22	φ 22	φ 22	
	Feed flow connector(mm)	φ 10	φ 10	φ 12	φ 12	
Overall Dimension	L (mm)	900	900	900	900	
	W (mm)	780	780	780	780	
	H (mm)	740	740	740	740	
Installation Dimension(AxB) mm		450×750	450×750	450×750	450×750	

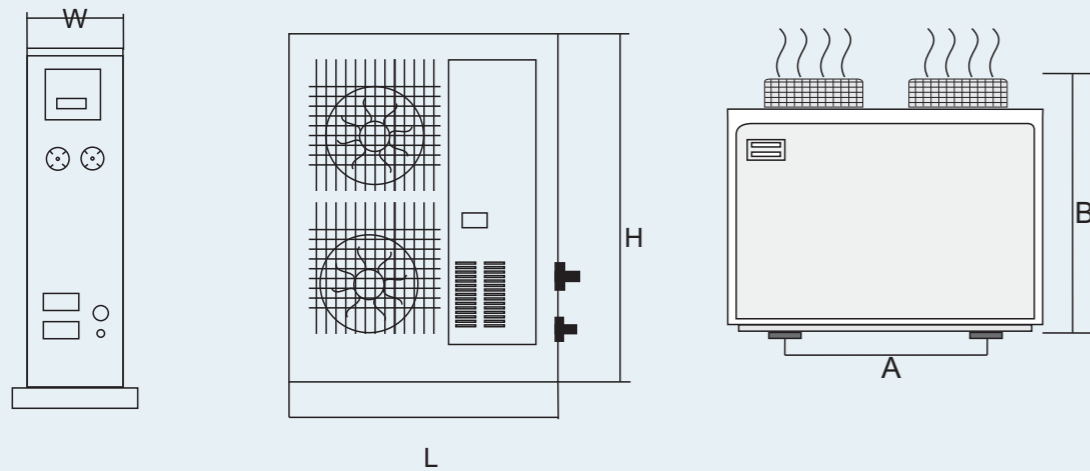
Note: Condensing temp:50°C; Inspiratory superheat:10K.

Copeland Hermetic Air-cooled Compressor Unit

R404A

Unit Model		KVQ08LBGY	KVQ09LBGY	KVQ10LBGY	KVQ13LBGY	KVQ15LBGY	
Temperature(°C)		-15 ~ -18 °C					
Refrigerant		R404A					
Power		380V/three phase/50Hz					
Compressor Model		ZB58KQE	ZB66KQE	ZB76KQE	ZB95KQE	ZB114KQE	
Condenser	Fanmotor Quantity	2	2	2	2	2	
	Voltage(V)	380	380	380	380	380	
	Power(W)	200×2	200×2	250×2	250×2	250×2	
Compressor capacity and input	-20°C	Capacity(W)	6200	8350	10300	11500	13500
		Power(KW)	7450	7850	9100	10800	13000
	-23°C	Capacity(W)	5000	7600	9600	10000	12000
		Power(KW)	7300	7550	8800	10600	12800
	-25°C	Capacity(W)	4800	6960	8980	9600	11400
		Power(KW)	7050	7250	8500	10100	12200
Connector	Air suction connector(mm)	φ 28	φ 28	φ 28	φ 28	φ 28	
	Feed flow connector(mm)	φ 16	φ 16	φ 16	φ 16	φ 16	
Overall Dimension	L (mm)	1300	1300	1300	1400	1400	
	W (mm)	880	880	880	880	880	
	H (mm)	940	940	940	940	940	
Installation Dimension (AxB) mm		700×850	700×850	700×850	800×850	800×850	

Note: Condensing temp:50°C; Inspiratory superheat:10K.

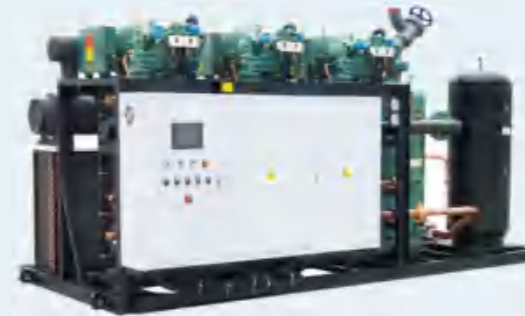


Multiple Paralleled Condensing Unit



Bitzer Semi-hermetic Multiple Paralleled Condensing Unit

The units have two cooling types: air cooled and water cooled. They adopt semi-hermetic Bitzer compressors, power ranges from 20HP to 250HP.



Bitzer Screw Multiple Paralleled Condensing Unit

The units adopt Bitzer low temperature screw compressors. Power of one compressor ranges from 30HP to 400HP, suitable for low temperature cold rooms.



Bitzer Screw Paralleled Condensing Unit

The units adopt Bitzer low temperature screw compressors. Power of one compressor ranges from 30HP to 400HP, suitable for low temperature cold rooms.



Hanbell Middle Temperature Screw Compressor Unit

The units adopt Hanbell middle temperature screw compressors. Power ranges from 30HP to 300HP, suitable for fresh keeping cold rooms and other refrigeration systems.

D Series Air Coolers



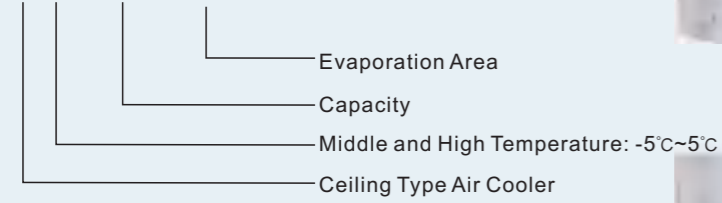
Brief Introduction

The D series Products are air coolers applicable to various cold storage warehouses. They are divided in different groups by temperature, the DL series, for 0°C, DD series for -18°C and DJ series for that below -25°C. All the products are anti-rusty, corrosion proof, and high reliability. Long air duct is capable to fixed with the products.

DL Series Air Cooler Fan Space 4.5mm

Model Explanation

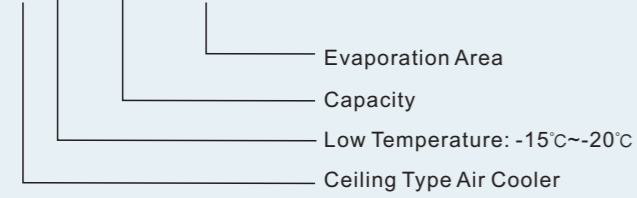
DL-8.2/40



DD Series Air Cooler Fan Space 6mm

Model Explanation

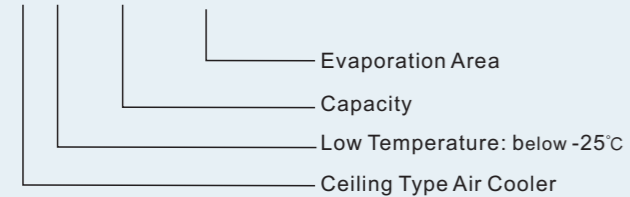
DD-8.2/40



DJ Series Air Cooler Fan Space 9mm

Model Explanation

DJ-8.2/40



Cold Room Project Pictures On Site

Air Cooler Installation Picture



Air Cooler Installation Picture



Air Cooler Installation Picture



Air Cooler Installation Picture



Air Cooler Installation Picture



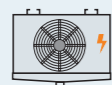
Air Cooler Installation Picture



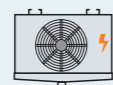
DL Series Air Cooler

Fan Space 4.5mm

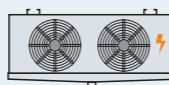
DL-2.2/7



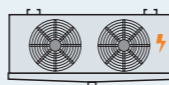
DL-3.5/11



DL-4.7/14



DL-6/26

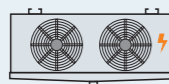


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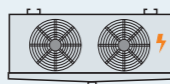
R22 Refrigerant

Capacity	KW	2.2	3.5	4.7	6
Evaporation Area	m ²	7	11	14	26
Fan Dia	mm	1×310	1×310	2×310	2×310
Fan Power	W	90	90	180	180
Air Volume	m ³ /h	1500	1500	3000	3000
Range	m	9	9	9	9
Defrosting Input	KW	1.5	2.0	2.7	3.6
Fan Noise	dB (A)	58	58	58	58
Weight	kg	20	28	35	42
Length/Width/Height	mm	666/455/435	766/455/435	1006/455/510	1096/505/460
Intake Pipe Diameter	mm	Φ12	Φ12	Φ12	Φ12
Exit Pipe Diameter	mm	Φ16	Φ16	Φ22	Φ22

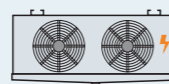
DL-9/35



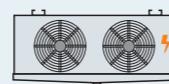
DL-12.5/43



DL-14.5/52



DL-17/61

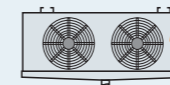


DT=7K

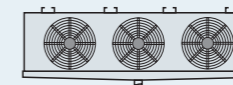
R22 Refrigerant

Capacity	KW	9	12.5	14.5	17
Evaporation Area	m ²	35	43	52	61
Fan Dia	mm	2×350	2×400	2×400	2×400
Fan Power	W	280	360	360	360
Air Volume	m ³ /h	4500	7000	7000	7000
Range	m	10	13	13	13
Defrosting Input	KW	3.6	4.8	6.0	7.2
Fan Noise	dB (A)	68	68	68	68
Weight	kg	65	72	97	106
Length/Width/Height	mm	1186/505/560	1446/585/560	1446/585/660	1446/585/760
Intake Pipe Diameter	mm	Φ16	Φ16	Φ16	Φ16
Exit Pipe Diameter	mm	Φ28	Φ28	Φ28	Φ35

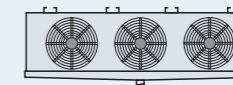
DL-25/87



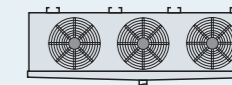
DL-29/104



DL-36.5/122



DL-42/156

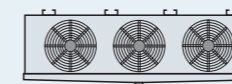


DT=7K

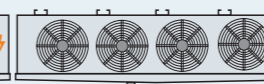
R22 Refrigerant

Capacity	KW	25	29	36.5	42
Evaporation Area	m ²	87	104	122	156
Fan Dia	mm	2×500	3×450	3×500	3×500
Fan Power	W	900	750	1350	1350
Air Volume	m ³ /h	12000	13500	18000	18000
Range	m	17	17	19	19
Defrosting Input	KW	9.0	10.0	10.0	12.0
Fan Noise	dB (A)	68	68	68	68
Weight	kg	140	160	195	208
Length/Width/Height	mm	1726/585/660	2046/585/860	2641/615/760	2641/615/660
Intake Pipe Diameter	mm	Φ16	Φ22	Φ22	Φ22
Exit Pipe Diameter	mm	Φ35	Φ42	Φ42	Φ42

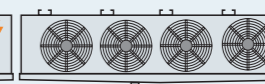
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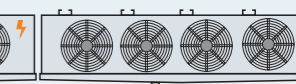
DL-59/208



DL-70/260



DL-84/306

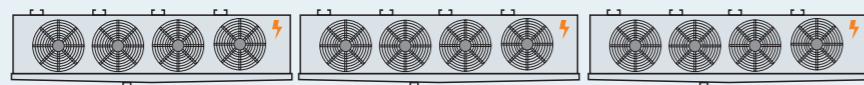


DT=7K

R22 Refrigerant

Capacity	KW	49	59	70	84
Evaporation Area	m ²	182	208	260	306
Fan Dia	mm	3×500	4×500	4×550	4×550
Fan Power	W	1350	1800	2400	2400
Air Volume	m ³ /h	18000	24000	30000	30000
Range	m	19	19	25	25
Defrosting Input	KW	14.0	15.6	18.2	21.2
Fan Noise	dB (A)	72	73	73	73
Weight	kg	296	376	435	585
Length/Width/Height	mm	2641/615/810	3885/760/660	3885/760/760	3885/760/960
Intake Pipe Diameter	mm	Φ28	Φ28	Φ28	Φ28
Exit Pipe Diameter	mm	Φ54	Φ54	Φ54	Φ54

DL-103/371 DL-112/390 DL-122/463



DT=7K
R22 Refrigerant

Capacity	KW	103	112	122
Evaporation Area	m ²	371	390	463
Fan Dia	mm	4×600	4×630	4×630
Fan Power	W	3120	3200	3200
Air Volume	m ³ /h	42000	46000	46000
Range	m	25	25	28
Defrosting Input	KW	23.4	28.6	31.2
Fan Noise	dB (A)	75	75	75
Weight	kg	625	750	770
Length/Width/Height	mm	3885/760/1160	3885/760/1260	3885/760/1360
Intake Pipe Diameter	mm	Φ35	Φ35	Φ35
Exit Pipe Diameter	mm	Φ76	Φ76	Φ76

DD Series Air Cooler

Fan Space 6mm

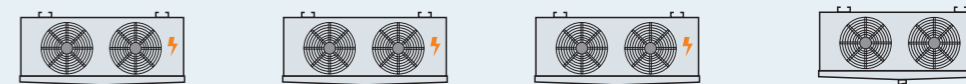
DD-1.4/5.5 DD-2.3/8.5 DD-3/11 DD-4.5/20



DT=7K
R22 Refrigerant

Capacity	KW	1.4	2.3	3	4.5
Evaporation Area	m ²	5.5	8.5	11	20
Fan Dia	mm	1×310	1×310	2×310	2×310
Fan Power	W	90	90	180	180
Air Volume	m ³ /h	1500	1500	3000	3000
Range	m	9	9	9	9
Defrosting Input	KW	1.5	2.0	2.7	3.6
Fan Noise	dB (A)	58	58	58	58
Weight	kg	19	26	33	40
Length/Width/Height	mm	666/455/435	766/455/435	1006/455/510	1096/505/660
Intake Pipe Diameter	mm	Φ12	Φ12	Φ12	Φ12
Exit Pipe Diameter	mm	Φ16	Φ16	Φ22	Φ22

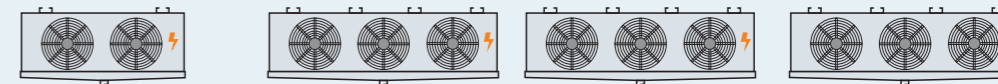
DD-6/27 DD-7.5/33 DD-9/40 DD-11/47



DT=7K
R22 Refrigerant

Capacity	KW	6	7.5	9	11
Evaporation Area	m ²	27	33	40	47
Fan Dia	mm	2×350	2×400	2×400	2×400
Fan Power	W	280	360	360	360
Air Volume	m ³ /h	4500	7000	7000	7000
Range	m	10	13	13	13
Defrosting Input	KW	3.6	6.0	7.2	8.4
Fan Noise	dB (A)	68	68	68	68
Weight	kg	63	68	92	110
Length/Width/Height	mm	1186/505/560	1446/585/560	1446/585/660	1446/585/760
Intake Pipe Diameter	mm	Φ16	Φ16	Φ16	Φ16
Exit Pipe Diameter	mm	Φ28	Φ28	Φ28	Φ35

DD-15.5/67 DD-19/80 DD-24/94 DD-29/120



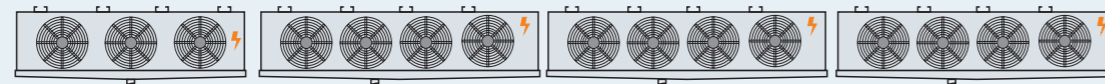
DT=7K
R22 Refrigerant

Capacity	KW	15.5	19	24	29
Evaporation Area	m ²	67	80	94	120
Fan Dia	mm	2×500	3×450	3×500	3×500
Fan Power	W	900	750	1350	1350
Air Volume	m ³ /h	12000	13500	18000	18000
Range	m	17	17	19	19
Defrosting Input	KW	10.5	12.0	14.0	16.0
Fan Noise	dB (A)	68	68	68	68
Weight	kg	131	149	178	194
Length/Width/Height	mm	1726/585/660	2046/585/860	2641/615/760	2641/615/660
Intake Pipe Diameter	mm	Φ16	Φ22	Φ22	Φ22
Exit Pipe Diameter	mm	Φ35	Φ42	Φ42	Φ42

DJ Series Air Cooler

Fan Space 9mm

DD-32/140 DD-38/160 DD-47/200 DD-58/235

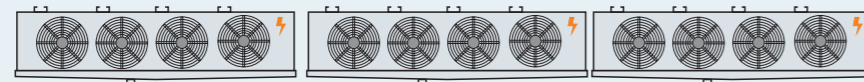


DT=7K

R22 Refrigerant

Capacity	KW	32	38	47	58
Evaporation Area	m ²	140	160	200	235
Fan Dia	mm	3×500	4×500	4×550	4×550
Fan Power	W	1350	1800	2400	2400
Air Volume	m ³ /h	18000	24000	30000	30000
Range	m	19	19	25	25
Defrosting Input	KW	18.0	19.2	20.8	26.0
Fan Noise	dB (A)	72	73	73	72
Weight	kg	278	352	406	570
Length/Width/Height	mm	2641/615/810	3885/760/660	3885/760/760	3885/760/960
Intake Pipe Diameter	mm	Φ28	Φ28	Φ28	Φ28
Exit Pipe Diameter	mm	Φ54	Φ54	Φ54	Φ54

DD-72/285 DD-79/300 DD-88/356



DT=7K

R22 Refrigerant

Capacity	KW	72	79	88
Evaporation Area	m ²	285	300	356
Fan Dia	mm	4×600	4×630	4×630
Fan Power	W	3120	3200	3200
Air Volume	m ³ /h	42000	46000	46000
Range	m	25	25	28
Defrosting Input	KW	31.2	33.8	39.0
Fan Noise	dB (A)	75	75	75
Weight	kg	610	730	750
Length/Width/Height	mm	3885/760/1160	3885/760/1260	3885/760/1360
Intake Pipe Diameter	mm	Φ35	Φ35	Φ35
Exit Pipe Diameter	mm	Φ76	Φ76	Φ76

DJ-1.7/8.5 DJ-2.2/11 DJ-2.7/20 DJ-4.2/27

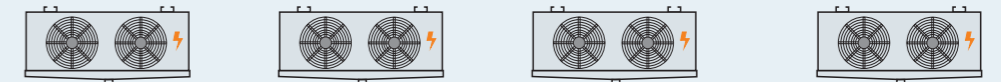


DT=7K

R22 Refrigerant

Capacity	KW	1.7	2.2	2.7	4.2
Evaporation Area	m ²	8.5	11	20	27
Fan Dia	mm	1×310	2×310	2×310	2×350
Fan Power	W	90	180	180	280
Air Volume	m ³ /h	1500	3000	3000	4500
Range	m	9	9	9	10
Defrosting Input	KW	2.0	2.7	3.6	3.6
Fan Noise	dB (A)	58	58	58	58
Weight	kg	25	39	61	65
Length/Width/Height	mm	766/455/435	1006/455/510	1096/505/460	1186/505/560
Intake Pipe Diameter	mm	Φ12	Φ12	Φ12	Φ16
Exit Pipe Diameter	mm	Φ16	Φ22	Φ22	Φ28

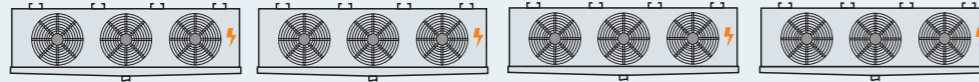
DJ-5.6/33 DJ-6.8/40 DJ-7.8/47 DJ-11.5/67



DT=7K

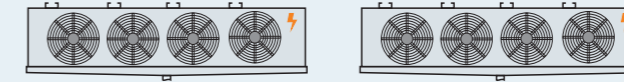
R22 Refrigerant

Capacity	KW	5.6	6.8	7.8	11.5
Evaporation Area	m ²	33	40	47	67
Fan Dia	mm	2×400	2×400	2×400	2×500
Fan Power	W	360	360	360	900
Air Volume	m ³ /h	7000	7000	7000	12000
Range	m	13	13	13	17
Defrosting Input	KW	6.0	7.2	8.4	10.5
Fan Noise	dB (A)	68	68	68	68
Weight	kg	86	105	123	139
Length/Width/Height	mm	1446/585/560	1446/585/660	1446/585/760	1726/585/660
Intake Pipe Diameter	mm	Φ16	Φ16	Φ16	Φ16
Exit Pipe Diameter	mm	Φ28	Φ28	Φ35	Φ35

DJ-14/80
DJ-17/94
DJ-20/120
DJ-23/140


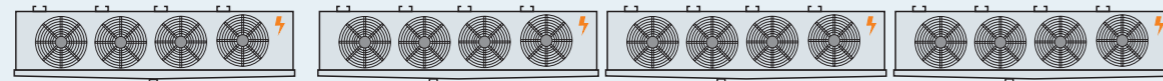
DT=7K
R22 Refrigerant

Capacity	KW	14	17	20	23
Evaporation Area	m ²	80	94	120	140
Fan Dia	mm	3×450	3×500	3×500	3×500
Fan Power	W	750	1350	1350	1350
Air Volume	m ³ /h	13500	18000	18000	18000
Range	m	17	19	19	19
Defrosting Input	KW	12.0	14.0	16.0	18.0
Fan Noise	dB (A)	68	68	68	68
Weight	kg	165	180	260	326
Length/Width/Height	mm	2046/585/860	2641/615/760	2641/615/660	2641/615/810
Intake Pipe Diameter	mm	Φ22	Φ22	Φ22	Φ28
Exit Pipe Diameter	mm	Φ42	Φ42	Φ42	Φ54

DJ-53.6/300
DJ-58/356


DT=7K
R22 Refrigerant

Capacity	KW	53.6	58
Evaporation Area	m ²	300	356
Fan Dia	mm	4×630	4×630
Fan Power	W	3200	3200
Air Volume	m ³ /h	46000	46000
Range	m	25	28
Defrosting Input	KW	33.8	39
Fan Noise	dB (A)	75	75
Weight	kg	730	730
Length/Width/Height	mm	3885/760/1260	3885/760/1360
Intake Pipe Diameter	mm	Φ35	Φ35
Exit Pipe Diameter	mm	Φ76	Φ76

DJ-26/160
DJ-31/200
DJ-40/235
DJ-49/285


DT=7K
R22 Refrigerant

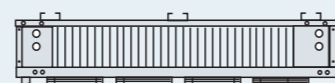
Capacity	KW	26	31	40	49
Evaporation Area	m ²	160	200	235	285
Fan Dia	mm	4×500	4×550	4×550	4×600
Fan Power	W	1800	2400	2400	3120
Air Volume	m ³ /h	24000	30000	30000	42000
Range	m	19	25	25	25
Defrosting Input	KW	19.2	20.8	26.0	31.2
Fan Noise	dB (A)	72	72	75	75
Weight	kg	376	550	590	710
Length/Width/Height	mm	3885/760/660	3885/760/760	3885/760/960	3885/760/1160
Intake Pipe Diameter	mm	Φ28	Φ28	Φ28	Φ35
Exit Pipe Diameter	mm	Φ54	Φ54	Φ54	Φ76

Brief Introduction

Double Side Fan Type Air Coolers



The DHF series products are air coolers specially applicable to cold storage for food process workshop. They feature double sided air blowing with soft air flow. They are divided into 2 groups by temperature, the L group, for 0°C, D for -18°C. All the products are anti-rusty, corrosion proof, and high reliability. Long air duct is capable to fixed with the products.



DHF-L23

- Heat exchange area m²
- Temperature: L: -5~5°C
D: -15~-25°C
- Product series code: double side fan type



Cold Storage Installation Picture



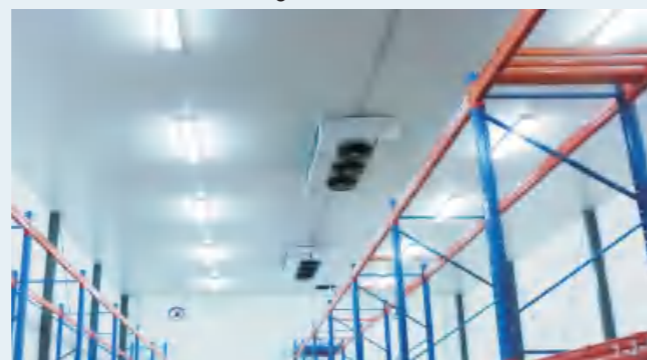
Cold Storage Installation Picture



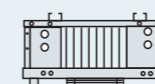
Cold Storage Installation Picture



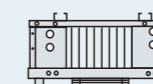
Cold Storage Installation Picture



DHF-L23



DHF-L30



DHF-L42



DHF-L56



Capacity	KW	5.5	7.3	10.1	13.5
Evaporation Area	m ²	22.8	30.4	42.0	56.1
Fan Dia	mm	400	400	400	400
Fan Power	W	1×250	1×250	2×250	2×250
Air Volume	m ³ /h	4000	4000	8000	8000
Range	m	—	—	—	—
Defrosting Input	KW	0.8	1.2	1.4	1.6
Fan Noise	dB (A)	68	68	68	68
Weight	kg	140	160	195	208
Length/Width/Height	mm	900/1080/455	900/1080/455	1450/1080/455	1450/1080/455
Intake Pipe Diameter	mm	Φ12	Φ12	Φ16	Φ16
Exit Pipe Diameter	mm	Φ16	Φ22	Φ22	Φ28

DHF-L70



DHF-L88



DHF-L117



DHF-L140



Capacity	KW	16.8	21.0	28.0	33.6
Evaporation Area	m ²	70.0	87.6	116.8	140.2
Fan Dia	mm	400	400	400	400
Fan Power	W	3×250	3×250	4×250	4×250
Air Volume	m ³ /h	12000	12000	16000	16000
Range	m	—	—	—	—
Defrosting Input	KW	2.4	3.6	4.8	6.4
Fan Noise	dB (A)	72	73	73	73
Weight	kg	296	376	435	585
Length/Width/Height	mm	1750/1080/455	1750/1080/455	2250/1080/455	2250/1080/455
Intake Pipe Diameter	mm	Φ16	Φ16	Φ22	Φ22
Exit Pipe Diameter	mm	Φ35	Φ35	Φ42	Φ42

		DHF-D16	DHF-D21	DHF-D29	DHF-D38
DT=7K R22 Refrigerant					
Capacity	KW	3.1	4.1	5.8	7.7
Evaporation Area	m ²	15.6	20.8	28.8	38.4
Fan Dia	mm	400	400	400	400
Fan Power	W	1×250	1×250	2×250	2×250
Air Volume	m ³ /h	4000	4000	8000	8000
Range	m	—	—	—	—
Defrosting Input	KW	1.6	1.8	2.8	3.2
Fan Noise	dB (A)	68	68	68	68
Weight	kg	165	180	260	326
Length/Width/Height	mm	900/1080/455	900/1080/455	1450/1080/455	1450/1080/455
Intake Pipe Diameter	mm	Φ12	Φ12	Φ16	Φ16
Exit Pipe Diameter	mm	Φ16	Φ22	Φ22	Φ28

		DHF-D48	DHF-D60	DHF-D80	DHF-D96
Capacity	KW	9.6	12.0	16.0	19.2
Evaporation Area	m ²	48.0	60.0	80.0	96.0
Fan Dia	mm	400	400	400	400
Fan Power	W	3×250	3×250	4×250	4×250
Air Volume	m ³ /h	12000	12000	16000	16000
Range	m	—	—	—	—
Defrosting Input	KW	3.6	4.8	6.4	8.0
Fan Noise	dB (A)	72	72	75	75
Weight	kg	376	550	590	710
Length/Width/Height	mm	1750/1080/455	1750/1080/455	2250/1080/455	2250/1080/455
Intake Pipe Diameter	mm	Φ16	Φ16	Φ22	Φ22
Exit Pipe Diameter	mm	Φ35	Φ35	Φ42	Φ42

Cold Storage Project Design

