

FavorCOOL®

*** Inspiration for better life ***



One Stop Solution For HVACR Products

2012

Collection

FavorCOOL®

web site: www.favorcool.com

2012 collection

FavorCOOL®

*** Inspiration for better life ***



SINO-RESOURCE GROUP

Headquarter: Sino-resource Imp.& Exp. Co.,Ltd.

F19, Wenhua Mansion No.488 Zhenming Rd, Ningbo, China

Tel: 0086-574-87194705(36LINE), 87194796, 7194725

Fax: 0086-574-87307052, 87317736

E-mail: favorcool@sino-resource.com

Website: www.favorcool.com

TABLE OF CONTENTS

A		Refrigerant Refrigeration Oil 4~6
B		Copper Tube Copper Fitting Brass Fitting 7~14
C		Compressor 15~20
D		Motors & Fans Valve & Filter Driers Capacitor & Contactors Relay, Overload Protector / Timer delay, Thermostats Defrost Timer 21~39
E		Vacuum Pumps Condensate Pumps Service Tools Thermometer & Temperature Controller Tubing Tools 40~61
F		Bracket for A/C Outdoor Unit A/C remote Controller Universal A/C Control System Insulation Tube / Aluminum Foil Tape, PVC Tape Air Curtain & PVC Strip Door A/C Cleaner 62~69
G		Coldroom Panel & Doors Latches & Hinges Vibration Eliminator & Controls Receivers, Separator & Filter Driers, etc. 70~88
H		Condenser Evaporators Heat Exchangers Condensing Units Flake Ice Machine 89~131
I		Flexible Duct Air Diffuser & Grilles Damper Pipe Clamp 132~139

FavorCOOL®
One Stop Solution For HVACR Products
website www.favorcool.com

SECTION A



- ▶ Refrigerant
- ▶ Refrigeration Oil

SINO-RESOURCE GROUP
FL9, Wenhua Mansion No. 488 Zhenming Rd. Ningbo, China
Website www.favorcool.com
Tel +86 574 87194796, 87293453
Fax +86 574 87307052, 87317736
E-mail favorcool@sino-resource.com

Refrigerants

HCFCs		
Product	Packing	N.W.
R22	13L disposable cylinder	13.6kg
R22	22L disposable cylinder	22.7kg
R22	12L refillable cylinder	12.36kg
R22	14.3L refillable cylinder	14.7kg
R22	60L refillable cylinder	60kg
R22	926L refillable cylinder	940kg
R22	ISO tank	20000kg
R123	100L steel drum	100kg
R123	200L steel drum	250kg
R141b	13L disposable cylinder	13.6kg
R141b	20L steel drum	20kg
R141b	30L steel drum	30kg
R141b	200L steel drum	250kg
R142b	60L refillable cylinder	59kg
R142b	ISO tank	20000kg
R401A(MP39)	13L disposable cylinder	13.6kg
R401A(MP39)	12L refillable cylinder	12.36kg
R401B(MP66)	13L disposable cylinder	13.6kg
R401B(MP66)	12L refillable cylinder	12.36kg
R402A(HP80)	13L disposable cylinder	12.25kg
R402A(HP80)	12L refillable cylinder	10.8kg
R402B(HP81)	13L disposable cylinder	11.3kg
R402B(HP81)	12L refillable cylinder	11.4kg
R406a	13L disposable cylinder	13.6kg
R408A(FX10)	13L disposable cylinder	10.9kg
R408A(FX10)	12L refillable cylinder	10.4kg
R408A(FX10)	14.3L refillable cylinder	12.7kg
R409A(FX56)	13L disposable cylinder	13.6kg
R409A(FX56)	12L refillable cylinder	12.6kg
R409A(FX56)	14.3L refillable cylinder	15.1kg

HFCs		
Product	Packing	N.W.
R23	10L high pressurer cylinder	9kg
R23	40L high pressurer cylinder	30kg
R125	22L disposable cylinder	17.6kg
R125	926L refillable cylinder	880kg
R134a	350ml disposable can	340g
R134a	1L disposable can	900g
R134a	1L disposable cylinder	800g
R134a	13L disposable cylinder	13.6kg
R134a	12L refillable cylinder	12.48kg
R134a	14.3L refillable cylinder	14.8kg
R134a	926L refillable cylinder	950kg
R134a	ISO tank	20000kg
R404a(HP62)	1L disposable cylinder	800g
R404a(HP62)	13L disposable cylinder	10.9kg
R404a(HP62)	12L refillable cylinder	9.84kg
R404a(HP62)	14.3L refillable cylinder	11.7kg
R404a(HP62)	50L refillable cylinder	40kg
R404a(HP62)	926L refillable cylinder	760kg
R407C(SUVA9000)	1L disposable cylinder	900g
R407C(SUVA9000)	13L disposable cylinder	11.3kg
R407C(SUVA9000)	12L refillable cylinder	11.4kg
R407C(SUVA9000)	14.3L refillable cylinder	13.5kg
R407C(SUVA9000)	50L refillable cylinder	45kg
R407C(SUVA9000)	926L refillable cylinder	870kg
R410A(AZ20)	1L disposable cylinder	800g
R410A(AZ20)	13L disposable cylinder	11.3kg
R410A(AZ20)	12L refillable cylinder	10.0kg
R410A(AZ20)	14.3L refillable cylinder	12.2kg
R410A(AZ20)	926L refillable cylinder	800kg
R417A(MO59)	13L disposable cylinder	11.3kg
R422D	13L disposable cylinder	11.3kg
R426A(RS-24)	13L disposable cylinder	13.15kg

HFCs		
Product	Packing	N.W.
R428A(RS-52)	13L disposable cylinder	11.3kg
R437A (Mo49plus)	13L disposable cylinder	13.8kg
R438A(MO99)	13L disposable cylinder	11.3kg
R507(AZ50)	1L disposable cylinder	800g
R507(AZ50)	13L disposable cylinder	11.3kg
R507(AZ50)	12L refillable cylinder	9.8kg
R507(AZ50)	14.3L refillable cylinder	12.1kg
R507(AZ50)	50L refillable cylinder	40kg
R507(AZ50)	926L refillable cylinder	740kg

HCs		
Product	Packing	N.W.
R600a	1L disposable can	420g
R600a	13L disposable cylinder	6.5kg
R600a	108L refillable cylinder	50kg
R290	13L disposable cylinder	5.5kg



Disposable can

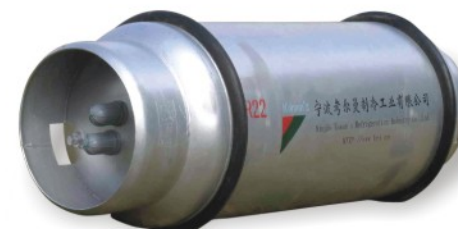
13L disposable cylinder



Disposable can



12L/14.3L/50L EN refillable cylinder
60L refillable cylinder



Ton cylinder



40L high pressurer cylinder



100L refillable cylinder



ISO tank



200L steel drum



Charge Oil Pumps



OP-01

Synthetical Oil POE Series

Item	Test Way	S-10	S-15	S-22	S-32	S-46	S-68	S-100
Density 15°C g/cm ³	ASTMD 298	0.996	0.977	0.98	0.975	0.968	0.97	0.968
Color ASTM	ASTMD 1500	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Viscosity 40°C mm ² /s	ASTMD 445	9.7	15.2	21	33	44.8	67.8	99.2
Viscosity 100°C mm ² /s	ASTMD 445	0.7	1.6	4.3	5.7	6.9	10.2	12.9
Flash Point COC °C	ASTMD 92	220	225	228	230	245	245	260
Pour Point °C	ASTMD 97	-60	-54	-42	-42	-42	-35	-32
Acid ua/ue mgKOH/g	ASTMD 974	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Moisture %	ASTMD 4928	0.01	0.015	0.015	0.015	0.015	0.02	0.02

Synthetical Oil PAG Series

Item	PAG15	PAG22	PAG32	PAG46	PAG68	PAG100
Viscosity 40°C mm ² /s	15	22	32	46	68	95
Viscosity 100°C mm ² /s	3.6	4.0	5.0	5.5	6.5	7.5
Flash Point COC °C	180	180	180	180	180	180
Pour Point °C	-50	-45	-40	-40	-38	-38
Acid ua/ue mgKOH/g	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
Unsaturated Aromatic	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

Mineral oil GS series

Item	Test Way	1GS	2GS	3GS	4GS	5GS
Density 15°C g/cm ³	ASTMD 1250	0.894	0.902	0.909	0.915	0.921
Color ASTM	ASTMD 1500	L0.5	L0.5	L0.5	L1.0	L1.0
Viscosity 40°C mm ² /s	ASTMD 445	12.3	18.9	29.5	54.9	94.6
Viscosity 100°C mm ² /s	ASTMD 445	2.7	3.44	4.31	5.97	7.78
Flash Point COC °C	ASTMD 92	160	168	178	188	208
Pour Point °C	ASTMD 97	-47.5	-45	-40	-35	-27.5
Total Acid No. mgKOH/g	ASTMD 974	0.01	0.01	0.01	0.01	0.01
Aniline Point °C	ASTMD 611	72.8	73.5	75.4	79.8	80.4
Moisture ppm	ASTMD 4928	20	20	20	20	20
Floc Point °C	ANSI/ASHRAE 86	-53	-54	-55	-46	-35

SECTION B



- ▶ Copper Tube
- ▶ Copper Fitting
- ▶ Brass Fitting

SINO-RESOURCE GROUP
 FL9, Wenhua Mansion No. 488 Zhenming Rd. Ningbo, China
 Website: www.favorcool.com
 Tel +86 574 87194796, 87293453
 Fax +86 574 87307052, 87317736
 E-mail favorcool@sino-resource.com

ACR Straight Tube, 20ft(6m) or 19ft (5.8m) Lengths*

Standard according to ASTM B280.
Ends capped, wooden case packing

Outside (inch)	Diameter(mm)	Wall Thickness*		Nominal Weight (kgs/5.8 metres)
		(inch)	(mm)	
3/8	9.52	.030	0.76	1.08
1/2	12.70	.035	0.89	1.71
5/8	15.87	.040	1.02	2.46
3/4	19.05	.042	1.07	3.12
7/8	22.23	.045	1.14	3.90
1-1/8	28.58	.050	1.27	5.63
1-3/8	34.93	.055	1.40	7.62
1-5/8	41.28	.060	1.52	9.81
2-1/8	53.98	.070	1.78	15.09
2-5/8	66.68	.080	2.03	21.31
3-1/8	79.38	.090	2.29	28.67
3-5/8	92.08	.100	2.54	36.93
4-1/8	104.78	.110	2.79	46.21

* To be adjusted as per specific requirement.

Soft Steel tube for Air-conditioning

Directly replace copper tube because:

1. Copper coating both inside/outside tube.
2. Special soft steel material, similar elongation rate
3. Salt spray test > 1000 hours, the copper coating keeps same color.
4. Cheaper and stable than copper tube.
5. Application test approved, supplying to GREE, MEDIA, HAIER

ACR Soft Drawn Coil, 50ft or 15m Lengths*

Standard according to ASTM B280.
Ends capped, shrink wrapped package in cardboard box

O.D.(inch)	Thickness*(inch)	O.D.(mm)	Thickness*(mm)
3/16	.030	4.76	0.76
1/4	.030	6.35	0.76
5/16	.032	7.94	0.81
3/8	.032	9.52	0.81
1/2	.032	12.70	0.81
5/8	.035	15.87	0.89
3/4	.035	19.05	0.89
7/8	.045	22.23	1.14

* To be adjusted as per specific requirement.

ACR Level Wound Coil(LWC) Tube

Standard according to ASTM B360

O.D.(inch)	Thickness*(inch)	O.D.(mm)	Thickness*(mm)
3/16	0.030	4.76	0.76
1/4	0.030	6.35	0.76
5/16	0.032	7.94	0.81
3/8	0.032	9.52	0.81
1/2	0.035	12.7	0.889
5/8	0.040	15.88	1.016

* To be adjusted as specific requirement.

Capillary Tube

Standard according to ASTM B360
Average O.D. Tolerance: +0.03mm
Average I.D. Tolerance: +0.02mm
Condition: Soft, half hardness, hardness, etc.

O.D. inch(mm)	I.D. inch(mm)	Thickness inch(mm)
0.072(1.83)	0.026(0.660)	0.023(0.584)
0.072(1.83)	0.028(0.711)	0.022(0.558)
0.081(2.06)	0.031(0.787)	0.025(0.635)
0.081(2.06)	0.033(0.838)	0.024(0.609)
0.087(2.21)	0.039(0.991)	0.024(0.609)
0.093(2.36)	0.042(1.07)	0.0255(0.648)
0.097(2.46)	0.046(1.17)	0.025(0.635)
0.106(2.69)	0.054(1.37)	0.026(0.660)
0.112(2.84)	0.059(1.50)	0.0265(0.673)
0.125(3.18)	0.064(1.63)	0.0305(0.775)
0.145(3.68)	0.080(2.03)	0.0325(0.826)
0.188(4.78)	0.130(3.30)	0.029(0.737)
0.200(5.08)	0.145(3.68)	0.0275(0.699)
0.220(5.59)	0.160(4.06)	0.030(0.762)
0.240(6.10)	0.175(4.45)	0.0325(0.826)

* To be adjusted as per specific requirement.

Insulated Double Coil

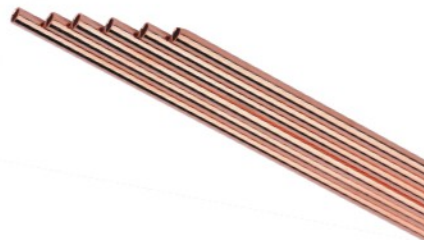
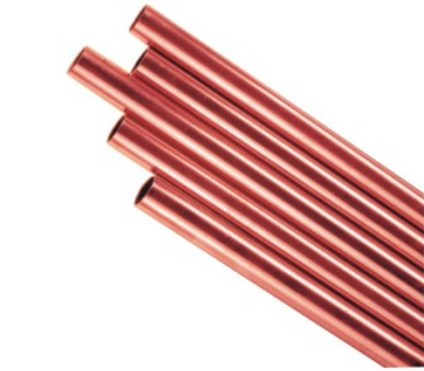
Part No.	O.D. (inch)	Wall Thickness (mm)	Double Coil Length(m)	Double Coil Per Carton
FC-1438	1/4" 3/8"	0.5 0.65	20	1
FC-1412	1/4" 1/2"	0.5 0.75	20	1
FC-1458	1/4" 5/8"	0.5 0.89	20	1
FC-3858	3/8" 5/8"	0.65 0.89	20	1
FC-3834	3/8" 3/4"	0.65 0.89	20	1
FC-1234	1/2" 3/4"	0.75 0.89	20	1

- * To be adjusted as per specific requirement
1. Length 3m, 4m, 5m, 20m, 30m is available.
2. Length, wall thickness can be adjusted as per specific requirement.

Insulated Single Coil

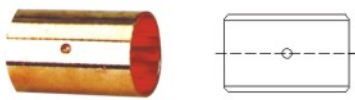









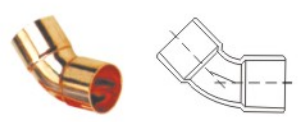
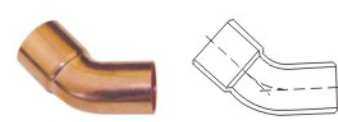
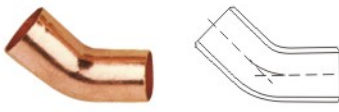

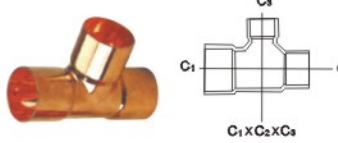



Part No.	O.D. (inch)	Wall Thickness (mm)
FC-14	1/4"	0.81
FC-38	3/8"	0.81
FC-12	1/2"	0.81
FC-58	5/8"	1.02
FC-34	3/4"	1.14

- * To be adjusted as per specific requirement
1.Length 3m, 4m, 5m, 20m, 30m is available.
2.Length, Wall thickness can be adjusted as per specific requirement.



Copper fitting

Size: 1/4" - 1/8"

Coupling with Stop C x C	Coupling with Roll-Stop C x C	Reducing Coupling C x C
		
Coupling without Stop C x C	Fitting Reducer FTG. x C	Cap (Tube End)
		
90° Elbow-Short Radius C x C	90° Elbow-Short Radius FTG x C	90° Elbow-Long Radius C x C
		
90° Elbow-Long Radius	45° Elbow C x C	45° Elbow FTG x C
		
45° Elbow FTG. x FTG.	Return Bend C x C	Tee C x C x C
		
Suction Line(P-Trap) C x C	Male Adapter C x M	Female Adapter C x F
		

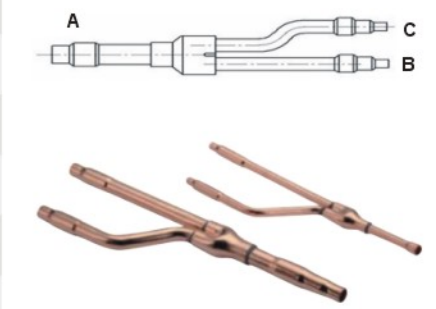
Copper Solder Tee

Part No.	Description
204AVT-4R	1/4 ODS x 5/16 ODF tube & 1/4 access on branch w/core remover
204AVT-5R	5/16 ODS x 3/8 ODF tube & 1/4 access on branch w/core remover
204AVT-6R	3/8 ODS x 7/16 ODF tube & 1/4 access on branch w/core remover
204AVW -8R	1/2 ODS tube & 1/4 access on branch w/core remover
204AVW -10R	5/8 ODS tube & 1/4 access on branch w/core remover
204AVW -12R	3/4 ODS tube & 1/4 access on branch w/core remover
204AVW -14R	7/8 ODS tube & 1/4 access on branch w/core remover



Distribute Tube for Dakin Central Air-conditioner

Part No.		A	B	C
11T	gas tube	19.05/15.88	15.88/12.7	15.88/12.7
	liquid tube	9.52	9.52/6.35	9.52/6.35
18T	gas tube	19.05/15.88	19.05/15.88/12.7	15.88/12.7
	liquid tube	9.52	9.52/6.35	9.52/6.35
22T	gas tube	19.05/15.88/12.7	15.88/12.7	15.88/12.7
	liquid tube	9.52	9.52/6.35	9.52/6.35
33T	gas tube	19.05/22.22	19.05/15.88	15.88/12.7
	liquid tube	12.7/9.52	9.52/6.35	9.52/6.35
37T	gas tube	25.4/28.58/31.8	25.4/19.05/15.88	19.05/15.88/12.7
	liquid tube	12.7/15.88	12.7/9.52	12.7/9.52/6.35
40T	gas tube	31.8/38.1	31.8/28.58/25.4	25.4/19.05/15.88
	liquid tube	19.05/15.88	19.05/15.88/12.7	15.88/12.7/9.52
72T	gas tube	25.4/28.58/31.8	25.4/19.05/15.88	19.05/15.88/12.7
	liquid tube	12.7/15.88	12.7/9.52	12.7/9.52/6.35
73T	gas tube	31.8/38.1	31.8/28.58/25.4	25.4/19.05/15.88
	liquid tube	19.05/15.88	19.05/15.88/12.7	15.88/12.7/9.52



KHR26M22T

Distribute Tube for Toshiba Central Air-conditioner

Part No.		A	B	C
RBM-BY53E	gas tube	15.9	12.7	12.7
	liquid tube	12.7	9.5	9.5
RBM-BY103E	gas tube	22.2	19.1	19.1
	liquid tube	15.9	12.7	12.7
RBM-BY203E	gas tube	31.8	28.6	28.6
	liquid tube	15.9	15.9	15.9
RBM-BY303E	gas tube	38.1	38.1	38.1
	liquid tube	22.2	19.1	19.1



RBM-BY303E





Distribute Tube for Mitsubishi Central Air-conditioner





Part No.		A	B	C
DIS-2A-1	gas tube	38.1/31.8	28.58/25.4	28.58/25.4
	liquid tube	22.22/19.05/15.88	12.7	12.7
DIS-22-1	gas tube	19.05/15.88/12.7	15.88/12.7/9.52	15.88/12.7/9.52
	liquid tube	9.52	9.52/6.35	9.52/6.35
DIS-180-1	gas tube	22.22/19.05/15.88	19.05/15.88/12.7/9.52	19.05/15.88/12.7/9.52
	liquid tube	15.88/12.7/9.52	12.7/9.52/6.35	12.7/9.52/6.35
DIS-371-1	gas tube	31.8/28.58/25.4	25.4/22.22/19.05	25.4/22.22/19.05
	liquid tube	15.88/12.7	15.88/12.7/9.52/6.35	15.88/12.7/9.52/6.35
DIS-540-1	gas tube	38.1/31.8/28.6	31.8/28.58/25.4/19.05	31.8/28.58/25.4/19.05
	liquid tube	22.22/19.05/15.88/12.7	19.05/15.88/12.7/9.52	19.05/15.88/12.7/9.52











DIS-2A

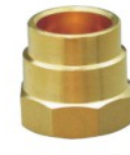



Brass Fittings





							
Long Nut		Short Nut		Cap Nut		Forged Brass Nut	
Part No.		Part No.		Part No.		Part No.	
LN-04 1/4	LN-08 1/2	SN-04 1/4	SN-08 1/2	CN-04 1/4	CN-08 1/2	FN-04 1/4	FN-10 5/8
LN-05 5/16	LN-10 5/8	SN-05 5/16	SN-10 5/8	CN-05 5/16	CN-10 5/8	FN-06 3/8	FN-12 3/4
LN-06 3/8	LN-12 3/4	SN-06 3/8	SN-12 3/4	CN-06 3/8	CN-12 3/4	FN-08 1/2	





							
Union		Union Tee		Union Female Tee		90° Elbow (NPT*SAE)	
Part No.		Part No.		Part No.		Part No.	
U-04 1/4	U-08 1/2	UT-04 1/4	UT-10 5/8	T-04X04X04		E-04 1/4	E-10 5/8
U-05 5/16	U-10 5/8	UT-06 3/8	UT-12 3/4			E-06 3/8	E-12 3/4
U-06 3/8	U-12 3/4	UT-08 1/2				E-08 1/2	





							
Adapter for R410A		Adapter for R410A		Male Connector (SAE*NPT)		Reducer (Solder)	
Part No.		Part No.		Part No.		Part No.	
AD78	1/4"SAE Female X1/2" -20UNF Male	FC-00A	1/4"M*5/16"F	MC-04x02	MC-06x08	SR-04x04	SR-08x10
AD87	1/4"SAE Male X1/2" -20UNF Female	FC-00B	5/16"M*1/4"F	MC-04x04	MC-08x04	SR-04x06	SR-08x12
FC-410	5/16"X1/4"			MC-04x06	MC-08x06	SR-04x08	SR-10x08
				MC-04x08	MC-08x08	SR-06x06	SR-10x10
				MC-06x04	MC-10x08	SR-06x08	SR-10x12
				MC-06x06		SR-06x10	

							
Female Connector		Male Connector		Reduce Male Connector		Reduce Male Connector	
Part No.		Part No.		Part No.		Part No.	
SF-1/2	SF-3	SM-1/2	SM-3	SF-1/2X3/4	SM-1/2X3/4	SF-1/2X3/4	SM-1/2X3/4
SF-3/4	SF-4	SM-3/4	SM-4	SF-3/4X1	SM-3/4X1	SF-3/4X1	SM-3/4X1
SF-1		SM-1		SF-1X1/4X1-1/2	SM-1X1-1/4	SF-1X1/4X1-1/2	SM-1X1-1/4
SF-1-1/4		SM-1-1/4		SF-1-1/2X2	SM-1-1/4X1-1/2	SF-1-1/2X2	SM-1-1/4X1-1/2
SF-1-1/2		SM-1-1/2			SM-1-1/2X2		SM-1-1/2X2
SF-2		SM-2					

							
Female To Copper Connector		Male To Copper Connector		Female To Copper Connector		Recude Coupling Unit	
Part No.		Part No.		Part No.		Part No.	
SAF-1/2X15	SAF-2-1/2X67	SAM-1/2X15	SAM-2-1/2X67	SK-15		SK-15X22	
SAF-3/4X22	SAF-3X76	SAM-3/4X22	SAM-3X76	SK-22		SK-15X28	
SAF-1X28	SAF-4X108	SAM-1X28	SAM-4X108	SK-28		SK-15X35	
SAF-1-1/4X35		SAM-1-1/4X35		SK-35		SK-22X28	
SAF-1-1/2X42		SAM-1-1/2X42				SK-22X35	
SAF-2X54		SAM-2X54				SK-28X35	

							
Female&Coupling Unit		Male&Coupling Unit		90° Coupling Elbow		90° Recude Coupling Elbow	
Part No.		Part No.		Part No.		Part No.	
SKF-1/2X15		SKM-1/2X15		LK-15		LK-15X22	
SKF-3/4X22		SKM-3/4X22		LK-22		LK-15X28	
SKF-1X28		SKM-1X28		LK-28		LK-15X35	
SKF-1-1/4X35		SKM-1-1/4X35		Lk-35		LK-22X28	
						LK-22X35	
						LK-28X35	

							
90° Female&Copper Elbow		90° Female&Copper Elbow		Coupling Tee		Female&Copper Tee	
Part No.		Part No.		Part No.		Part No.	
LKF-1/2X15		LKM-1/2X15		TK-15		TKF-1/2X15	
LKF-3/4X22		LKM-3/4X22		TK-22		TKF-3/4X22	
LKF-1X28		LKM-1X28		TK-28		TKF-1X28	
LKF-1-1/4X35		LKM-1-1/4X35		TK-35		TKF-1-1/4X35	

							
Removable Female Connector		Removable Copper Connector		Removable Female To Copper Connector		Removable Male To Copper Connector	
Part No.		Part No.		Part No.		Part No.	
HF-1/2	HF-3	HA-15	HA-67	HAF-1/2X15	HAF-2-1/2X67	HAM-1/2X15	HAM-2-1/2-67
HF-3/4	HF-4	HA-22	HA-76	HAF-3/4X22	HAF-3X76	HAM-3/4X22	HAM-3-76
HF-1		HA-28	HA-108	HAF-1X28	HAF-4X108	HAM-1X28	HAM-4X108
HF-1-1/4		HA-35		HAF-1-1/4X35		HAM-1-1/4X35	
HF-1-1/2		HA-42		HAF-1-1/2X42		HAM-1-1/2X42	
HF-2		HA-54		HAF-2X54		HAM-2X54	

FB Liquid Distributor



Part No.	Inlet(mm)	Outlet(mm)	Hole Quantity
FB-16 x 6.35/3	Φ16	Φ6.35	3
FB-16 x 6.35/4	Φ16	Φ6.35	4
FB-16 x 6.35/5	Φ16	Φ6.35	5
FB-16 x 6.35/6	Φ16	Φ6.35	6
FB-16 x 6.35/7	Φ16	Φ6.35	7
FB-16 x 6.35/8	Φ16	Φ6.35	8
FB-16 x 6.35/9	Φ16	Φ6.35	9
FB-16 x 6.35/10	Φ16	Φ6.35	10
FB-16 x 6.35/12	Φ16	Φ6.35	12

* To be adjusted as per specific requirement.



Ball valve for charging-hose

Part No.	Part No.
BC-01	1/4"M*5/16"F
BC-02	5/16"M*1/4"F
BC-03	1/4"M*1/4"F



Multi-step Solder Union

Part No.	Part No.
CT-7000	For 3/16, 1/4, 5/16, 3/8 or 1/2 tube



Access Valves



Capillary Tube with Nuts

Part No .	Description
HT-03A	Completed with valve core, valve core remover & tube 3/16"O.D.
HT-04A	Completed with valve core, valve core remover & tube 1/4"O.D.
HT-06A	Completed with valve core, valve core remover & tube 3/8"O.D.
HT-04B	Completed with valve core, quick seal cap & tube 1/4"O.D.
CTN-90	Capillary tube 1/8" x 90cm with two nuts
CTN-100	Capillary tube 1/8" x 100cm with two nuts
CTN-150	Capillary tube 1/8" x 150cm with two nuts

SECTION C



► **Compressor**

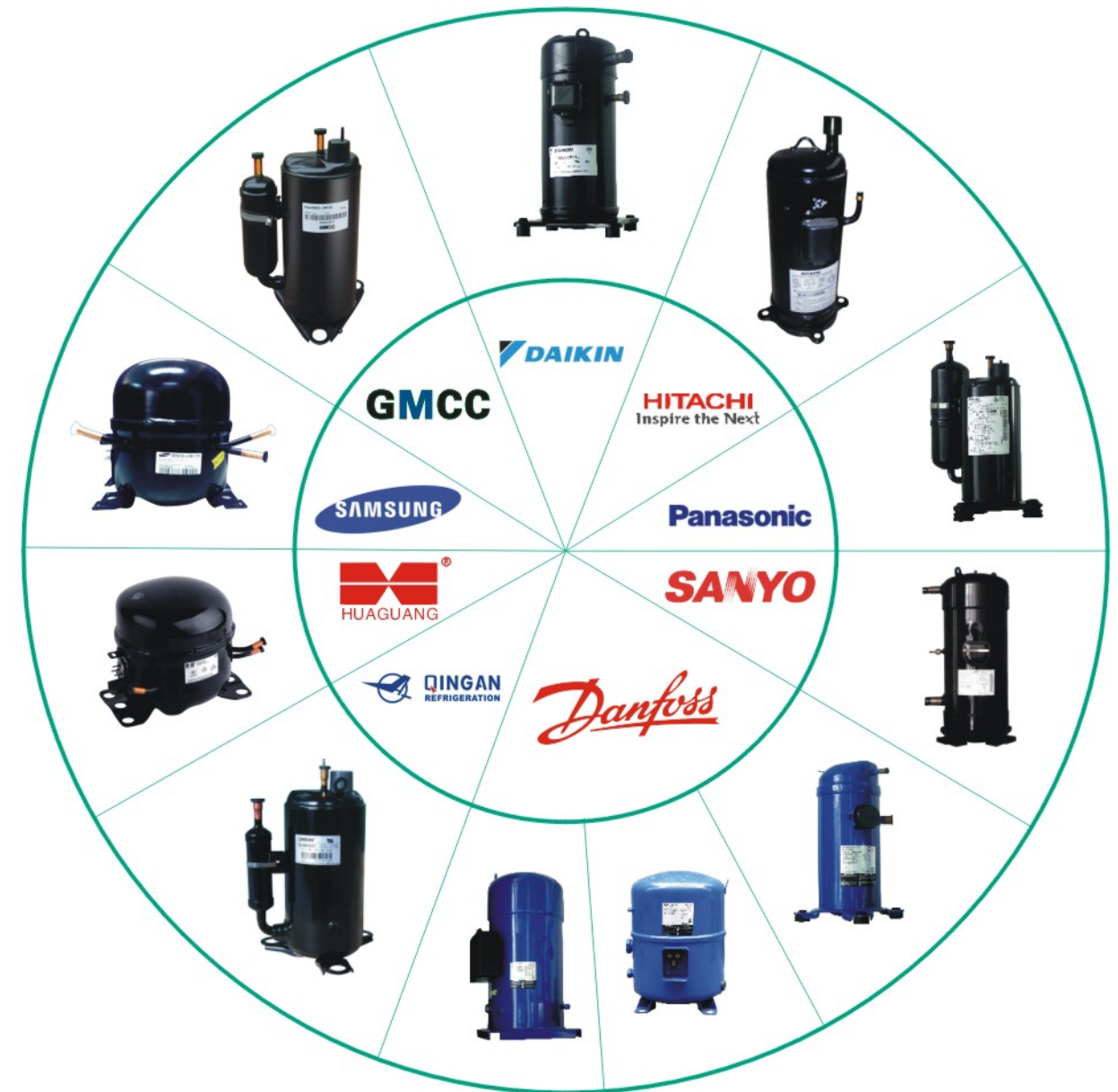
SINO-RESOURCE GROUP
 FL9, Wenhua Mansion No.488 Zhenming Rd. Ningbo, China
 Website: www.favorcool.com
 Tel +86 574 87194796, 87293453
 Fax +86 574 87307052, 87317736
 E-mail favorcool@sino-resource.com

Section C Series

Inspiration for better life

website:www.favorcool.com 2012

We Supply:



A series
B series
C series
D series
E series
F series
G series
H series
I series

A series
B series
C series
D series
E series
F series
G series
H series
I series



OEM Rotary Air-Conditioning Compressor (Refrigerant: R22)

Part No.	Power (hp)	Displ. (cm ³)	Voltage (v)	Frequency (Hz)	Capacity (W) -23.3°C	Kcal/Hr	Btu/h	Input power (w)	Current (A)	Run Capacitor (uf/450v)
FCQX-13g	0.75	13.5	220	50	2120	1800	7200	730	3.5	25
FCQX-15g	1	15.8	220	50	2460	2100	8364	830	4.0	25
FCQX-16g	1	16.4	220	50	2730	2350	9282	915	4.2	25
FCQX-19g	1.25	19.3	220	50	3210	2750	10914	1100	5.1	30
FCQX-21g	1.5	21.3	220	50	3650	3150	12457	1210	5.6	30
FCQX-23g	1.5	23.5	220	50	3930	3400	13413	1300	6.1	30
FCQX-25g	1.75	25.4	220	50	4240	3650	14471	1410	6.6	35
FCQX-29g	2	29.2	220	50	4860	4150	16524	1630	7.7	35
FCQX-32g	2	32.1	220	50	5320	4550	18088	1780	8.5	40
FCQX-41g	3	41.2	220	50	6980	6000	23732	2360	11.2	45

*R407c / R410A / R134a Compressors available ; 115V/60Hz Type available.

FN(R134a) Series Refrigeration Compressor(LBP/MBP)

Model	Power HP	Displ. (cm ³)	Motor Type	Cooling	Capacity(W)			COP	V/Hz	Oil Charge(cc)
					54.4°C/130 F Condensing Temp W-23.3°C	Kcal/H	Btu/H			
QD43H	1/8	4.30	RSIR	S	112	96	382	1.09	220/50	230
QD52H	1/6	5.20	RSIR	S	132	114	450	1.15	220/50	230
FN57H	1/6+	5.70	RSIR	S	138	118	470	1.15	220/50	230
FN66H	1/5	6.60	RSIR	S	165	142	562	1.18	220/50	230
FN77H	1/4	7.70	RSIR	S	190	164	648	1.20	220/50	250
FN91H	1/4+	9.10	RSIR	S/F	212	182	723	1.23	220/50	250
FN110H	1/3	11.00	RSIR	F	284	232	968	1.23	220/50	250
FN128H	3/8	12.80	RSIR	F	320	275	1091	1.25	220/50	250
FN142H	1/2	14.20	RSIR	F	348	299	1187	1.26	220/50	250

Test Conditions:

- (1) Ambient Temp.=32.2°C (90F)
- (2) Condensing Temp.=54.4°C (130F)
- (3) Suction Temp.=32.2°C (90F)
- (4) Sub-cooling Temp.=32.2°C (90F)

Tolerance of performance data:

- (1) Capacity ≥95%
- (2) Input Power ≤115%
- (3) Current ≤110%
- (4) COP ≥93%

Cooling Type:
S: Static Cooling
F: Fan Cooling
H: R134a Refrigerant

The compressor is the same with refrigeration implement which usually include refrigerator, refrigeration deepfreeze, kitchen refrigeration, display case, revelation tank, dehumidify appliance etc. The main feature: light compact, high efficiency, good reliability, low noise vibration.



Huayi LBP Hermetic Compressor (R134a)

Model	Voltage (V)	Frequency (Hz)	Cooling Type	Displacement (cm ³)	Cooling Capacity (W)	COP (W/W)	Motor Type
HYE55Y63	220-240	50-60	ST	5.5	150	1.28	RSIR
HYE60Y63	220-240	50-60	ST	6.0	170	1.28	RSIR
HYE69Y63	220-240	50-60	FC	6.7	190	1.26	RSIR
HYE55Y42	115	60	ST	5.5	175	1.28	RSIR
HYE60Y42	115	60	ST	6.0	200	1.28	RSIR
HYE60YG	220-240	50	ST	6.0	170	1.43	RSCR
HYE69YG	220-240	50	ST	6.7	190	1.43	RSCR
HYE51YG42	115	60	ST	5.1	165	1.43	RSCR
HYE60YK	220-240	50	ST	6.0	175	1.52	RSCR
HYE69YK	220-240	50	ST	6.7	195	1.52	RSCR
HYE55YT	220-240	50	ST	5.5	155	1.65	RSCR
HYE51YT42	115	60	ST	5.1	170	1.65	RSCR
HY69Y63	220-240	50-60	FC	6.9	195	1.12	RSIR
HY81Y	220-240	50	FC	8.1	235	1.25	RSIR
HY90Y	220-240	50	FC	9.0	265	1.30	RSIR
HY113Y	220-240	50	FC	11.3	315	1.30	CSR
HY131Y	220-240	50	FC	13.1	370	1.30	CSR
HY69Y42	115	60	FC	6.9	225	1.25	RSIR
HY69YH	220-240	50	ST	6.9	195	1.35	RSIR
HY69YG	220-240	50	ST	6.9	195	1.45	RSCR
HY81YG	220-240	50	ST	8.1	235	1.45	RSCR
HY90YG	220-240	50	FC	9.0	270	1.45	RSCR

Huayi HBP Hermetic Compressor (R134a)

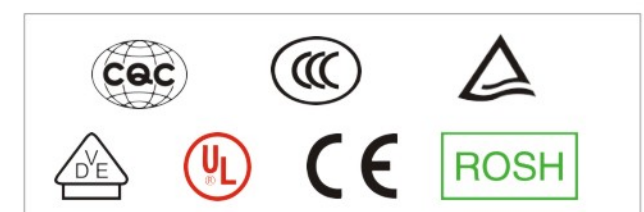
Model	Voltage (V)	Frequency (Hz)	Cooling Type	Displacement (cm ³)	Cooling Capacity (W)	COP (W/W)	Motor Type
HY69YZ	220-240	50	FC	6.9	645	2.20	CSIR
HY81YZ	220-240	50	FC	8.1	745	2.20	CSIR
HY94YZ	220-240	50	FC	9.4	860	2.20	CSIR
HY69YZ42	115	60	FC	6.9	740	2.02	CSIR
HY81YZ42	115	60	FC	8.1	870	2.02	CSIR

Test Conditions

Evaporating Temperature
Condensing Temperature
Subcooling Temperature
Suction Temperature
Ambient Temperature

ASHRAE

7.2°C
54.4°C
46.1°C
35°C
35°C



SECTION D



QR Series



QHR Series

QR Series Hermetic Compressor(Replacement for Tecumseh Compressor)

Model	Nominal Power (Hp)	Displacement (cm ³)	Weight (kg)	Refrigerant	Oil Charge (cm ³)	Power Source	Refrigeration Capacity at 50Hz Rated @54.5°C/130°F Cond.Temp					
							Evaporating Temperature					
							-25°C	-15°C	-10°C	0°C	+7°C	+15°C
QR44	2	44	33	R22	1500	220~240V/1PH/50Hz	1320*	1960	2480	4300	5770	7830
QR52	2.5	52	33	R22	1500	380V/3PH/50Hz	1610*	2370	3180	5300	7050	9200
QR58	3	58.2	34	R22	1500		1820*	2720	3680	5950	7900	10300
QR62	3	62.7	34	R22	1500		1950*	2890	3830	6300	8500	11540
QR3-44	2	44	31	R22	1500	380V/3PH/50Hz	1320*	1960	2480	4300	5770	7830
QR3-52	2.5	52	31	R22	1500		1610*	2370	3180	5300	7050	9200
QR3-58	3	58.2	33	R22	1500		1820*	2720	3680	5950	7900	10300
QR3-62	3	62.7	33	R22	1500	380V/3PH/50Hz	1950*	2890	3830	6300	8500	11540
QR3-74	3.5	74.2	33	R22	1500		2038*	3000	4300	7330	9860	12900
QR3-90	4	90.2	46	R22	2000		1330*	3100	4370	7840	11250	16000
QR3-100	4.5	100.7	46	R22	2000	380V/3PH/50Hz	1530*	3880	5310	9100	12930	18400
QR3-112	5	112.5	46	R22	2000		2060*	4470	6130	10600	14900	20660
QR3-124	6	124.4	48	R22	2000		2500*	5160	6970	11860	16640	23360
QR3-134	7	134.8	48	R22	2000	380V/3PH/50Hz	2800*	5630	7500	12630	17800	25200

Replacement Information

Our Model	QR44	QR52	QR58	QR62	QR3-44	QR3-52	QR3-58	QR3-62	QR3-74	QR3-90	QR3-112	QR3-124	QR3-134
Tecumseh Model	4524	4528	4531	4538	4524	4528	4531	4538	4540	4546	4561	4568	4573
Power	2HP	2.5HP	3HP	3HP	2HP	2.5HP	3HP	3HP	3.5HP	4HP	5HP	6HP	7HP

Our Model	QR44A	QR52A	QR58A	QR62A	QR3-44A	QR3-52A	QR3-58A	QR3-62A	QR3-74A	QR3-90A	QR3-112A	QR3-124	QR3-134A
Tecumseh Model	5524	5528	5531	5538	5524	5528	5531	5538	5540	5546	5561	5568	5573
Power	2HP	2.5HP	3HP	3HP	2HP	2.5HP	3HP	3HP	3.5HP	4HP	5HP	6HP	7HP

QHR Series Horizontal A/C Compressor

Refrigerant	Model	Power Source	Displacement (cm ³)	Nominal Power		Input Power (w)	Current (A)	Capacitor UF/450VAC
				W	Btu/H			
R22	QHR-10E	220V/50HZ	1550	9.6	5270	530	2.45	20
R22	QHR-13E	220V/50HZ	2120	13.5	7208	750	3.5	25
R22	QHR-16E	220V/50HZ	2730	16.4	9282	950	4.5	25
R22	QHR-19E	220V/50HZ	3210	19.6	10914	1120	5.1	30
R22	QHR-23E	220V/50HZ	3920	23.6	13328	1360	6.3	35
R22	QHR-30E	220V/50HZ	5200	30.7	19680	1800	8.6	50
R22	QHR-36E	220V/50HZ	6060	35.7	20604	2090	9.8	50



- ▶ Motors & Fans
- ▶ Valve & Filter Dries
- ▶ Capacitor & Contactors
- ▶ Relay, Overload Protector
- ▶ Timer delay, Thermostats
- ▶ Defrost Timer

SINO-RESOURCE GROUP
 FL9, Wenhua Mansion No.488 Zhenming Rd. Ningbo, China
 Website: www.favorcool.com
 Tel: +86 574 87326409, 87293453
 Fax: +86 574 87307052, 87317736
 E-mail: favorcool@sino-resource.com

YJF/YJFN/EBM Series Condenser Fan Motor



YJFN



EBM



YJF

Part No.	Part No.	Part No.	Output Power(w)	Voltage (v)	Frequency (Hz)	Fan Size (mm)	RPM	Rotation
YJF203	YJFN203	EBM203	3	110/220	50/60	154	1300/1550	CW/CCW
YJF205	YJFN205	EBM205	5	110/220	50/60	170/200	1300/1550	CW/CCW
YJF207	YJFN207	EBM207	7	110/220	50/60	200/230	1300/1550	CW/CCW
YJF310	YJFN310	EBM310	10	110/220	50/60	230	1300/1550	CW/CCW
YJF316	YJFN316	EBM316	16	110/220	50/60	230/250	1300/1550	CW/CCW
YJF318	YJFN318	EBM318	18	110/220	50/60	230/250	1300/1550	CW/CCW
YJF325	YJFN325	EBM325	25	110/220	50/60	250/300	1300/1550	CW/CCW
YJF334	YJFN334	EBM334	34	110/220	50/60	300	1300/1550	CW/CCW

R Series Axial Fan Motor



Part No.	Voltage Frequency	Power (w)	Current (A)	Fan Size (mm)
R09E-3030A-4M	220/50	95	0.45	300
R09E-3030A-4T	380/50	85	0.21	300
R11E-3530A-4T	380/50	115	0.33	350
R11E-3530A-4M	220/50	130	0.58	350
R11E-3530A-6M	220/50	65	0.31	350
R11E-4030A-4T	380/50	135	0.44	400
R11E-4030A-4M	220/50	160	0.75	400
R11E-4030A-6M	220/50	120	0.55	400
R11E-4530A-4T	380/50	200	0.48	450
R11E-4530A-4M	220/50	245	1.1	450
R11E-4530A-6M	220/50	165	0.8	450
R13E-5030A-4T	380/50	390	0.9	500
R13E-5030A-4M	220/50	420	2.0	500
R13E-5030A-6M	220/50	160	0.75	500
R13E-5625A-4T	380/50	630	1.2	560
R13E-5625A-6T	380/50	240	0.65	560
R13E-5625A-6M	220/50	270	1.25	560
R13E-6325A-6T	380/50	300	0.55	630
R13E-6325A-6M	220/50	400	1.8	630
R13E-6325A-8M	220/50	250	1.25	630

* To be adjusted as per specific requirement.

BW Series Cross Flow Fan



Part No.	Voltage (v)	Diameter (mm)	Power (w)	RPM	Air Flow (mm ³ /s)	Wheel Length (mm)
BW-1	220	60	20	2000	30	180
BW-2	220	60	20	1900	35	240
BW-3	220	60	20	1800	60	360

YZF Series Shaded Pole Motor



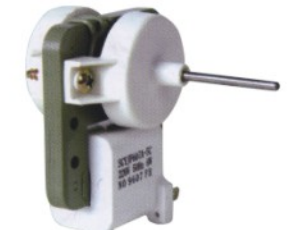
SM102J



SM329



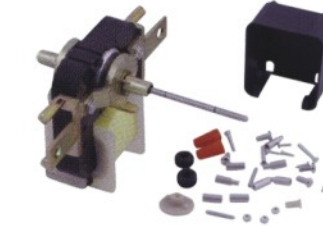
KM334



YJF607A-5C



SM672/SM670



SM998/SM999



PSC4W

Part No.	Voltage (V)	Frequency (Hz)	Current (A)	Input (W)	Shaft size (Inch)	Rotation
SM102J	220	50/60	0.12	13	1/8" x 1"	CW
SM102J	110	50/60	0.25	13	1/8" x 1"	CW
SM329	120	60	0.48	20	--	CW
KM334	220	50/60	0.18	15	3/16" x 1/16"	CW
KM334	110	50/60	0.3	15	3/16" x 1/16"	CW
YJF607A-5C	220	50/60	0.065	7	1/8" x 1-5/16"	CW/CCW
YJF607A-5C	110	50/60	0.14	7	1/8" x 1-5/16"	CW/CCW
SM670	110	50/60	0.45	20	3/16" x 1-7/16"	CW/CCW
SM672	220	50/60	0.32	20	3/16" x 1-7/16"	CW/CCW
SM998	240	50	0.2	18	1/8" x 2"	CW
SM999	120	60	0.38	18	1/8" x 2"	CW
PSC4W	220	50/60	0.2	27	--	CCW
PSC4W	110	50/60	0.42	27	--	CCW

YWF Series Centrifugal Fan

Model	Voltage (v)	Frequency (Hz)	Current (A)	Input (w)	Capacitance (µ F)
YWF2E-140-01G	220	50	0.48	115	2
YWF2E-140-02R	220	60	0.53	120	2
YWF2E-140-02R	220	50	0.75	180	4
YWF2E-140-02R	220	60	0.95	220	4
YWF2E-146-01G	220	50	0.70	150	2
YWF2E-146-01G	220	60	0.76	165	2
YWF2E-146-02R	220	50	0.35	70	4
YWF2E-146-02R	220	60	0.42	100	4
YWF2D-180-01G	220/380	50	0.42	185	-
YWF2D-180-01G	220/380	60	0.45	250	-
YWF4E-180-02R	220	50	0.95	190	4
YWF4E-180-02R	220	60	1	210	4
YWF4D-200-01G	220/380	50	0.68	370	-
YWF4D-200-01G	220/380	60	0.64	350	-
YWF4E-200-01G	220	50	1.30	290	8
YWF4E-200-02R	220	60	1.65	360	8



FC Series Axial Flow Draft Fan

Operating temperature: -10°C to 70°C(Sleeve)-20°C to 80°C(Ball)
Operating voltage: 110V ranged from 85V to 125V
 220V ranged from 190V to 245V
Operating humidity: between 20% to 85%
Insulation resistance: 10MΩ at 500VDC
Dielectric strength: 1 minute at 1500VAC/50~60Hz
Current: <5mA



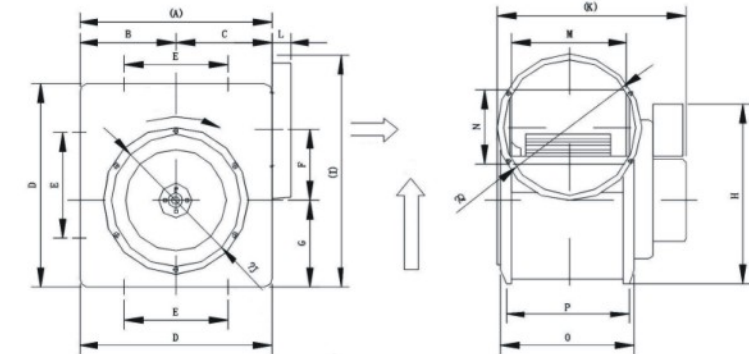
Q Type



E Type

Part No.	Bearing	Voltage (v)	Current (A)	Noise dB(A)	Power (w)	RPM	Airflow (CFM)
FC8025A1HSL/T	Sleeve	110	0.14/0.12	29/33	15.4/13.2	2100/2250	17/21
FC8025A1HBL/T	Ball	110	0.14/0.12	30/34	15.4/13.2	2200/2300	18/22
FC8025A2HSL/T	Sleeve	220	0.08/0.07	29/33	17.6/15.4	2100/2250	17/21
FC8025A2HBL/T	Ball	220	0.08/0.07	30/34	17.6/15.4	2200/2300	18/22
FC8038A1HSL/T	Sleeve	110	0.15/0.13	31/35	16.5/14.3	2200/2400	30/35
FC8038A1HBL/T	Ball	110	0.15/0.13	32/36	16.5/14.3	2200/2400	30/35
FC8038A2HSL/T	Sleeve	220	0.07/0.06	31/35	15.4/13.2	2200/2400	30/35
FC8038A2HBL/T	Ball	220	0.07/0.06	32/36	15.4/13.2	2200/2400	30/35
FC9225A1HSL/T	Sleeve	110	0.14/0.12	32/36	15.4/13.2	2000/2150	25/31
FC9225A1HBL/T	Ball	110	0.14/0.12	34/38	15.4/13.2	2050/2200	27/32
FC9225A2HSL/T	Sleeve	220	0.08/0.07	32/36	17.6/15.4	2000/2150	25/31
FC9225A2HBL/T	Ball	220	0.08/0.07	34/38	17.6/15.4	2050/2200	27/32
FC1025A1HSL/T	Sleeve	110	0.14/0.12	32/36	15.4/13.2	2000/2150	45/55
FC1025A1HBL/T	Ball	110	0.14/0.12	34/38	15.4/13.2	2050/2200	46/56
FC1025A2HSL/T	Sleeve	220	0.08/0.07	32/36	17.6/15.4	2000/2150	45/55
FC1025A2HBL/T	Ball	220	0.08/0.07	34/38	17.6/15.4	2050/2200	46/56
FC1225A1HSL/T	Sleeve	110	0.14/0.12	33/37	15.4/13.2	2000/2150	58/73
FC1225A1HBL/T	Ball	110	0.14/0.12	34/38	15.4/13.2	2050/2200	60/76
FC1225A2HSL/T	Sleeve	220	0.08/0.07	33/37	17.6/15.4	2000/2150	58/73
FC1225A2HBL/T	Bal	220	0.08/0.07	34/38	17.6/15.4	2050/2200	60/76
FC1238A1HSL/T	Sleeve	110	0.24/0.12	44/46	26.4/23.1	2600/3000	75/90
FC1238A1HBL/T	Ball	110	0.24/0.12	45/47	26.4/23.1	2600/3000	77/92
FC1238A2HSL/T	Sleeve	220	0.14/0.12	44/46	30.8/22.0	2600/3000	75/90
FC1238A2HBL/T	Bal	220	0.14/0.12	45/47	30.8/22.0	2600/3000	77/92

Mini Type Cabinet Fan

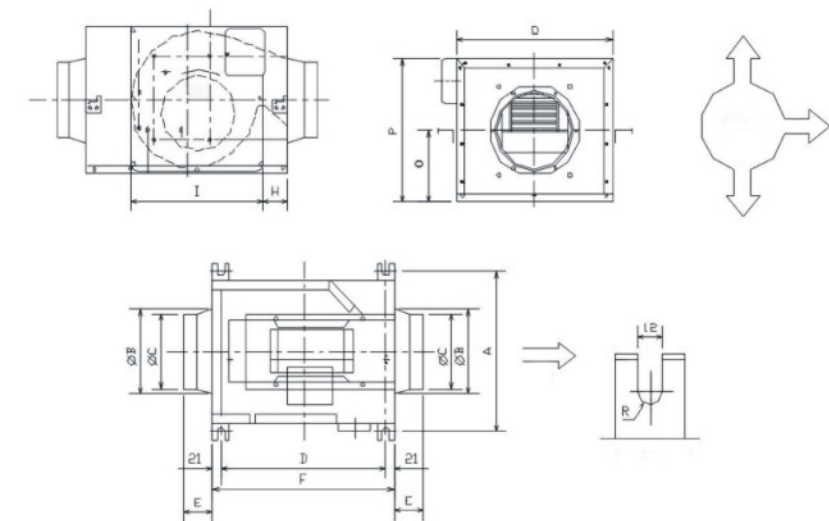


Specification

Model	Power (W)		Air volume (m3/h)		Noise [dB(A)]		Max Static (Pa)		N.W. (Kg)	Dimension (mm)
	Hi	Lo	Hi	Lo	Hi	Lo	Hi	Lo		
DPT-MC100	15.5	12.7	150	121.5	34.5	31.5	64	59	2.5	120×106
DPT-MC150A	33	27	300	243	41	37.5	98	91	3.6	120×131
DPT-MC150B	47	38.5	500	405	49.5	45.5	142	132	5.2	160×143
DPT-MC200A	85	73.5	770	660	47	43	204	190	9.3	160×187
DPT-MC200B	120	98.4	950	769.5	52.5	48	206	191	9.3	160×187
DPT-MC200C	224	182	1550	1200	60	55	290	270	18	200×226

Model	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	Pipe size
DPT-MC100	206	86	95	180	120	56	82	208	199	98	202	24	80	73	120	106	98	Φ 100
DPT-MC150A	261	112	119	230	120	76	95	224	256	148	232	29	105	98	145	131	148	Φ 150
DPT-MC150B	281	125	126	250	160	87	108	250	281	148	245	29	117	102	157	143	148	Φ 150
DPT-MC200A	331	151	150	300	160	106	130	291	346	198	297	29	165	115	205	187	198	Φ 200
DPT-MC200B	331	151	150	300	160	106	130	291	346	198	297	29	165	115	205	187	198	Φ 200
DPT-MC200C	361	166	165	330	200	121	145	233	377	198	365	29	190	110	250	226	198	Φ 200

Whisper type Cabinet fan



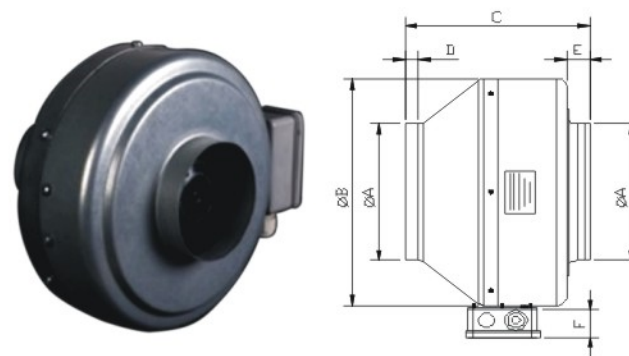
Specification

Model	Voltage (V)	Frequency (Hz)	Power (W)		Air volume (m3/h)		Noise [dB(A)]		Max Static (Pa)		N.W (Kg)	Dimension (mm)
			Hi	Lo	Hi	Lo	Hi	Lo	Hi	Lo		
DPT-SL100A	220	50	9.8	7.9	100	80	20	18	80	76	5.6	285×298
DPT-SL100B	220	50	19	15.4	180	144	23	20.5	113	108	6.2	285×298
DPT-SL150A	220	50	38	30.8	370	296	27	24.5	132	126	7.6	285×298
DPT-SL150B	220	50	60	48.6	500	400	29	26	167	160	11	315×348
DPT-SL200A	220	50	100.5	87	770	620	35	32	201	190	14	385×378
DPT-SL200B	220	50	135.5	109.7	920	736	34.5	31	240	230	17	415×448
DPT-SL200C	220	50	230	180	1200	900	41	36	327	314	23	445×478
DPT-SL250A	220	50	358	280	1700	1380	43	40	417	405	30	445×548
DPT-SL250B	220	50	430	360	1900	1600	46	42	422	406	30	445×548

Model	A	B	C	D	E	F	H	I	O	P	Q	Pipe size
DPT-SL100A	285	112	97	298	50	340	53	220	100	200	240	φ 100
DPT-SL100B	285	112	97	298	50	340	53	220	100	200	240	φ 100
DPT-SL150A	285	158	142	298	105	340	53	230	120	240	240	φ 150
DPT-SL150B	315	158	142	348	105	390	44	274	140	280	270	φ 150
DPT-SL200A	385	211	195	378	70	420	44	274	140	280	340	φ 200
DPT-SL200B	415	211	195	448	70	490	51	304	160	320	370	φ 200
DPT-SL200C	445	211	195	478	70	520	67	344	182.5	365	400	φ 200
DPT-SL250A	445	255	240	548	85	590	67	364	190	380	400	φ 250
DPT-SL250B	445	255	240	548	85	590	67	364	190	380	400	φ 250

Circular Duct Fan

Model	A	B	C	D	E
BPT-100A/B	100	237	204	25	42
BPT-125A/B	125	237	193	25	42
BPT-150A/B	150	278	195	25	42
BPT-160A/B	160	278	195	25	42
BPT-200A/B	200	333	210	25	42
BPT-250A/B	250	333	210	28.6	42
BPT-315A/B	315	402	265	25	42



Specification

Model	Voltage (V)	Frequency (Hz)	Power (W)	Current (A)	Air volume (m3/h)	Turning (rpm)	Noise [dB(A)]	Grade of motor insulation
DJT-100A	220	50	60	0.18	190	2600	50	F
DJT-125A	220	50	62	0.17	210	2750	48	F
DJT-150A	220	50	64	0.26	410	2550	50	F
DJT-160A	220	50	72	0.29	460	2500	46	F
DJT-200A	220	50	101	0.45	780	2550	52	F
DJT-250A	220	50	156	0.66	980	2565	50	F
DJT-315A	220	50	225	0.69	1350	2525	50	F
DJT-100B	220	50	67	0.27	245	2700	50	F
DJT-125B	220	50	70	0.25	310	2550	48	F
DJT-150B	220	50	65	0.27	455	2670	46	F
DJT-160B	220	50	112	0.92	695	2985	50	F
DJT-200B	220	50	161	0.66	960	2620	52	F
DJT-250B	220	50	175	0.73	1115	2435	50	F
DJT-315B	220	50	303	1.27	1680	2450	52	F

Shut-off Valve(Hand Valves)



HT-10S

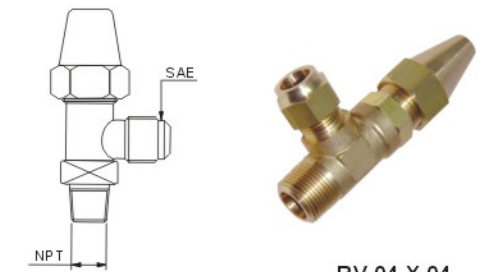
HT-08

Part No.	Connection	Part No.	Connection
HT-04	1/4" flare	HT-04S	1/4" ODF
HT-06	3/8" flare	HT-06S	3/8" ODF
HT-08	1/2" flare	HT-08S	1/2" ODF
HT-10	5/8" flare	HT-10S	5/8" ODF
HT-12	3/4" flare	HT-12S	3/4" ODF

Split A/C Valves

Part No.	Tube	Connection Thread
FC-602	1/4"	7/16"-20UNF
FC-603	3/8"	5/8"-18UNF
FC-604	1/2"	3/4"-16UNF
FC-605	5/8"	7/8"-14UNF
FC-606	3/4"	1-1/16"-14UNF

Receiver Valves



RV-04 X 04

Part No.	Connection
RV-04 X 04	1/4" SAE x 1/4" NPT
RV-04 X 06	1/4" SAE x 3/8" NPT
RV-06 X 06	3/8" SAE x 3/8" NPT

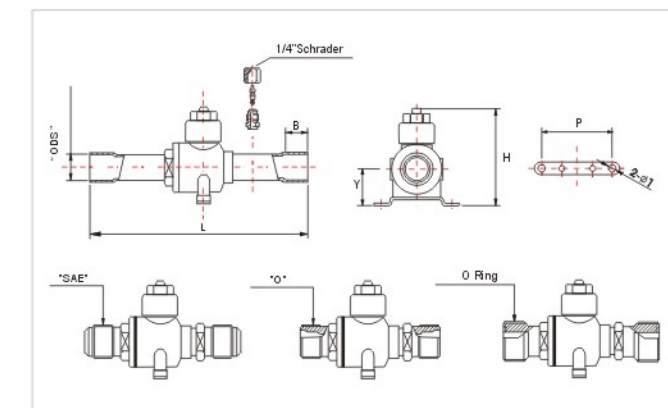


FC-604

FC-605

Bi-directional Ball Valves

Part No.	mm	ODF	inch.	Part No.	SAE Flare
BV001-1	--	1/4"		BV018	1/4"
BV001	10	--		BV019	3/8"
BV002	--	3/8"		BV020	1/2"
BV003	12	--		BV021	5/8"
BV004	--	1/2"		BV022	3/4"
BV005	16	5/8"			
BV006	18	--		Part No.	"O" Flare
BV007	--	3/4"		BV023	1/4"
BV008	22	7/8"		BV024	3/8"
BV009	28	--		BV025	1/2"
BV010	--	1-1/8"		BV026	5/8"
BV011	35	1-3/8"		BV027	3/4"
BV012	42	--			
BV013	--	1-5/8"		Part No.	"O" Ring
BV014	54	2-1/8"		BV028	1/4"
BV015	67	2-5/8"		BV029	3/8"
BV016	80	3-1/8"		BV030	1/2"
BV017	102	4-1/8"		BV031	5/8"
				BV032	3/4"

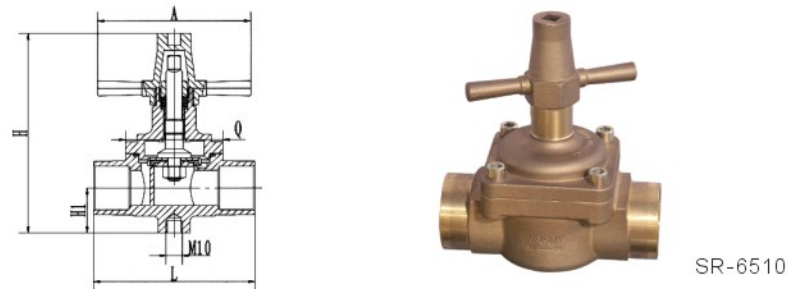


4-Way Reversing Valves



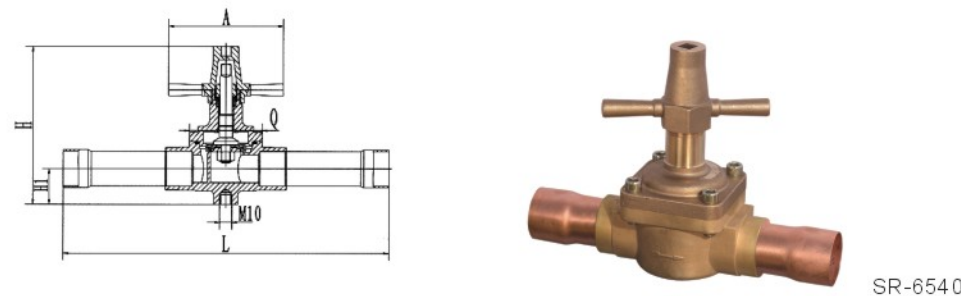
TYPE	Connection(ODF)	Reference Capacity for R22
DSF-4	Discharge: 5/16", suction: 3/8"	0.75~1.5HP
DSF-9	Discharge: 3/8", suction: 1/2"	1.5~3.5HP
DSF-11	Discharge: 1/2", suction: 5/8"	2.5~4.0HP
DSF-11B	Discharge: 3/8", suction: 5/8"	2.5~4.0HP
DSF-20	Discharge: 1/2", suction: 3/4"	4~6HP
DSF-20B	Discharge: 1/2", suction: 7/8"	4~6HP
DSF-34	Discharge: 3/4", suction: 7/8"	6~12HP
DSF-45	Discharge: 7/8", suction: 1-1/8"	8~15HP
SW-01	Power supply: 220V±10%, 50Hz/60Hz, 6W/5W	Coil

SR Globe valves



Standardized Valve

TYPE	ODF Connection		H		H1		L		Q		A	
	Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm
SR-6510/7	7/8	22.4	5.4	136	1.1	28.5	3.9	100	2.4	60	3.7	94
SR-6510/9	1-1/8	28.8	5.4	136	1.1	28.5	3.9	100	2.4	60	3.7	94
SR-6510/11	1-3/8	35.0	6.5	166	1.3	34	4.6	118	2.8	68	5.0	126
SR-6510/13	1-5/8	42.0	7.8	199	1.5	37	5.6	141	3.5	88	5.4	138
SR-6510/17	2-1/8	54.0	8.5	215	1.7	42.5	6.8	173	4.1	104	5.4	138



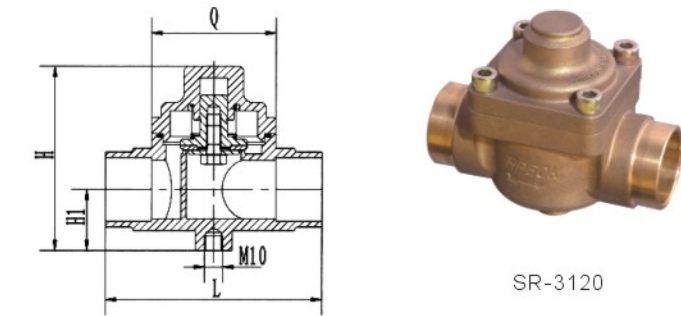
Valve with extend longer tube for ODF connection

TYPE	ODF Connection		H		H1		L		Q		A	
	Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm
SR-6540/7	7/8	22.4	5.4	136	1.1	28.5	3.9	100	2.4	60	3.7	94
SR-6540/9	1-1/8	28.8	5.4	136	1.1	28.5	3.9	100	2.4	60	3.7	94
SR-6540/11	1-3/8	35.0	6.5	166	1.3	34	4.6	118	2.8	68	5.0	126
SR-6540/13	1-5/8	42.0	7.8	199	1.5	37	5.6	141	3.5	88	5.4	138
SR-6540/17	2-1/8	54.0	8.5	215	1.7	42.5	6.8	173	4.1	104	5.4	138

Plunger Check Valves

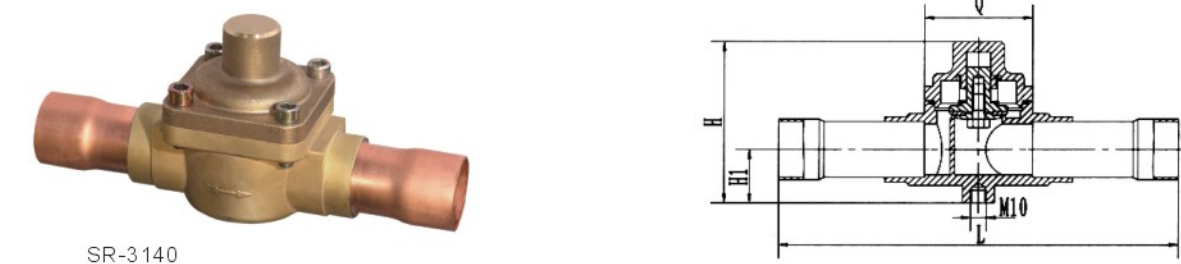
Features

We have 2 types of the PKV plunger check valve, one is standard and the other is with ODF extended tube. Both of these 2 types can provide in either inch sizes or metric sizes. (Inch sizes are from 7/8" ~ 2-1/8"; Metric sizes are from 22mm ~ 54mm). All valves are with screw hole that could be installed on the panel.



Standardized Valve

TYPE	ODF Connection		H		H1		L		Q	
	Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm
SR-3120/7	7/8	22.4	3.3	84.5	1.1	28.5	3.9	100	2.4	60
SR-3120/9	1-1/8	28.8	3.3	84.5	1.1	28.5	3.9	100	2.4	60
SR-3120/11	1-3/8	35.0	4.0	101.5	1.3	34	4.6	118	2.8	68
SR-3120/13	1-5/8	42.0	4.9	125.5	1.5	37	5.6	141	3.5	88
SR-3120/17	2-1/8	54.0	5.6	142	1.7	42.5	6.8	173	4.1	104



Valve with extend longer tube for ODF connection

TYPE	ODF Connection		H		H1		L		Q	
	Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm
SR-3140/7	7/8	22.4	3.3	84.5	1.1	28.5	6.7	170	2.4	60
SR-3140/9	1-1/8	28.8	3.3	84.5	1.1	28.5	7.9	201	2.4	60
SR-3140/11	1-3/8	35.0	4.0	101.5	1.3	34	9.1	232	2.8	68
SR-3140/13	1-5/8	42.0	4.9	125.5	1.5	37	10.1	256	3.5	88
SR-3140/17	2-1/8	54.0	5.6	142	1.7	42.5	11.2	285	4.1	104

V Series Rotalock Valves



Part No.	Tube	Connection Thread
V01	3/8"	1" x 14
V02	1-1/8"	1-3/4" x 12
V03	1-3/8"	1-3/4"x12
V04	3/4"	1-1/4" x 12
V05	7/8"	1-1/4" x 12
V06	1/2"	1" x 14
V07	7/8"	1-3/4" x 12
V08	5/8"	1"x14
V09	5/8"	1-1/4" x 12

VS Series Rotalock Valves



Part No.	Tube	Connection Thread
VS01	3/8"	1" x 14
VS02	1-1/8"	1-3/4" x 12
VS03	1-3/8"	1-3/4"x12
VS04	3/4"	1-1/4" x 12
VS05	7/8"	1-1/4" x 12
VS06	1/2"	1" x 14
VS07	7/8"	1-3/4" x 12
VS08	5/8"	1"x14
VS09	5/8"	1-1/4" x 12

Solenoid Valves



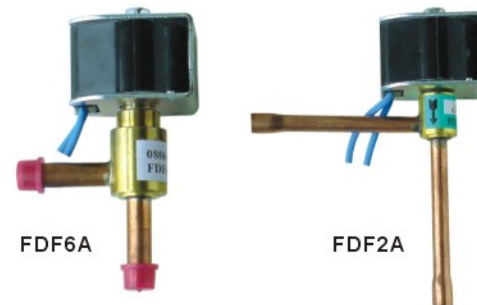
(Coil Power Supply: 220-230V, 50/60Hz)

Part No.	Connection Size	Part No.	Connection Size	Port Size (mm)	M.O.P.D. (Bars)	Kv Factor (m ³ /hr)
SV1020/2	1/4" Flare	SV1028/2	1/4" Copper Solder	2.5	21	0.175
SV1020/3	3/8" Flare	SV1028/3	3/8" Copper Solder	3.0	18	0.230
SV1064/3	3/8" Flare	SV1068/3	3/8" Copper Solder	7.0	21	0.800
SV1064/4	1/2" Flare	SV1068/4	1/2" Copper Solder	7.0	21	0.800
SV1070/4	1/2" Flare	SV1078/4	1/2" Copper Solder	12.5	21	2.200
SV1070/5	5/8" Flare	SV1078/5	5/8" Copper Solder	12.5	21	2.600
SV1070/6	3/4" Flare	SV1078/6	3/4" Copper Solder	17.0	21	4.300
SV1090/6	3/4" Flare	SV1098/6	3/4" Copper Solder	16.5	21	5.700
SV1090/7	7/8" Flare	SV1098/7	7/8" Copper Solder	16.5	21	5.700

This product could be applied to r410a system.

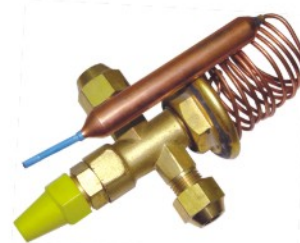
Electric Solenoid Valves

Part No.	Airflow Co ² Mpa	Max. diff Pressure	Copper Tube O.D.
FDF2A	≥45L/min	2.10MPa	φ 6.35
FDF6A	≥371L/min	2.25MPa	φ 8.00



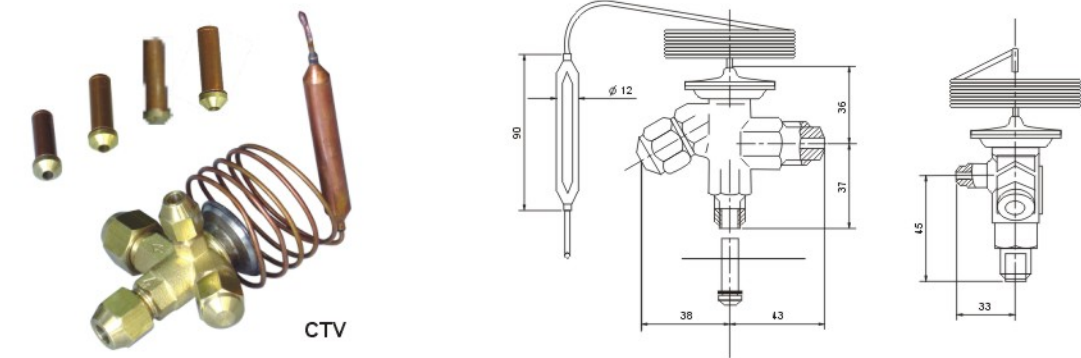
A/C Expansion Valves

- Feature:**
- * Overheat set 3.5°C before sale, adjust range: 2~8°C
 - * Temperature range for evaporation: -40~+10°C
 - * Suitable for refrigeration such as R12, R22, R134a



Part No.	Nominal Capacity(kw)		Equalization Form	Connection Sizes(Flare)			
	R12 ΔP=0.43MPa	R22 ΔP=0.72MPa		Inlet (mm)	Outlet (mm)	TGE Tube (mm)	Capillary (mm)
RF0.8	1.05	1.57	Internal Equalization or External Equalization	10	12	6	108
RF1	1.28	1.92		10	12	6	108
RF1.2	1.51	2.28		10	12	6	108
RF1.5	1.98	2.97		10	12	6	108
RF2	2.56	3.84		10	12	6	108
RF3	5.35	8.02		10	12	6	108
RF4	9.3	13.96		10	12	6	108
RF5	11.63	17.45		10	16	6	115

Thermostat Expansion Valves



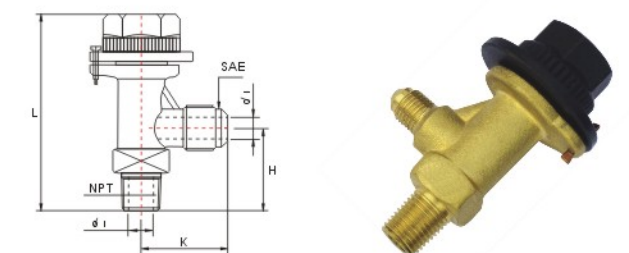
Part No.	Refrigerant	Pressure Equalization	Equalization connection Flare in. (m)	Capillary Tube in. (m)	Inlet Flare in. (mm)	Outlet Flare in. (mm)
CTV(E)L	R410A	ext.	1/4 (6)	36 (1)	3/8 (10)	1/2 (12)
CTVL		int.		36 (1)	3/8 (10)	1/2 (12)
CTV(E)X	R22	ext.	1/4 (6)	36 (1)	3/8 (10)	1/2 (12)
CTVX		int.		36 (1)	3/8 (10)	1/2 (12)
CTV(E)Y	R502	ext.	1/4 (6)	36 (1)	3/8 (10)	1/2 (12)
CTVY		int.		36 (1)	3/8 (10)	1/2 (12)
CTV(E)N	R134a	ext.	1/4 (6)	36 (1)	3/8 (10)	1/2 (12)
CTVN		int.		36 (1)	3/8 (10)	1/2 (12)

* Nominal capacities base on condensing temperature +38°C, evaporating temperature +4°C and 1k liquid subcooling at their inlet of the expansion valve. Valve pressure drop for R134a is rated at 0.41MPa. Valve pressure drop for R22, R407C and R404A/507 is rated at 0.69MPa. Valve pressure drop for R410a is rated at 1.35MPa.

Orifice Number	Nominal Capacity (kw)					
	R410A	R134a	R22	R407C	R404A	R507
0	1.32	0.65	1.14	1.13	0.8	0.8
1	3.25	1.5	2.8	2.8	1.85	1.85
2	5.45	2.5	4.7	4.57	3.1	3.1
3	8.70	4	7.5	7.03	5	5
4	14.15	6.7	12.2	11.96	8.1	8.1
5	17.28	8.2	14.9	14.4	9.9	9.9
6	19.95	9.5	17.2	16.9	11.4	11.4

Safety Valves

Part No.	SAE Flare	NPT	H (mm)	K (mm)	Ø I (mm)	L (mm)
SV1	3/8"	1/4"	33.5	32	7	81
SV2	1/2"	1/4"	33.5	32	7	81
SV3	3/8"	3/8"	32.5	35	7	81.5
SV4	1/2"	3/8"	32.5	35	7	81.5
SV5	5/8"	1/2"	36.5	41	9.5	90



Magnetic Check Valve



Features

- Magnet valve seat, tectorial diaphragm. Copper connection size 1/4" through 3-1/8".
- Near zero internal leak rate.
- Compatible with all fluoro-refrigerants and oils.
- Working temperature range: -40°C~+130°C.
- Minimum current resistance, large flow rate.
- Small volume, light weight and can be installed in any position.
- Mesh in the valve body, it's not just a check valve, but also a filter.

Type	Connection	Safety working pressure(KPa)	OD (mm)	Length (mm)	Mesh No.	Liquid Capacity (KW)
CV-4	1/4	5500	22	102	40	6.8
CV-6	3/8	5500	22	102	40	14.2
CV-8	1/2	5200	29	127	40	38.2
CV-10	5/8	5200	29	127	40	42.6
CV-12	3/4	4100	41	178	40	79.7
CV-14	7/8	4100	41	178	40	108.5
CV-18	1-1/8	4100	54	213	40	188.5
CV-22	1-3/8	4000	67	238	40	232.8
CV-26	1-5/8	3000	80	267	40	397.7
CV-34	2-1/8	3200	92	305	40	691.1
CV-42	2-5/8	3000	105	330	40	927.3
CV-50	3-1/8	3000	105	330	40	1262.5

Sight Glass



Part No.	Description	Part No.	Description
FC-04CF	1/4" double flare with two nuts	FC-08BS	1/2" brass solder type
FC-06CF	3/8" double flare with two nuts	FC-10BS	5/8" brass solder type
FC-08CF	1/2" double flare with two nuts	FC-04CS	1/4" extended copper tube solder type
FC-10CF	5/8" double flare with two nuts	FC-06CS	3/8" extended copper tube solder type
FC-04BS	1/4" brass solder type	FC-08CS	1/2" extended copper tube solder type
FC-06BS	3/8" brass solder type	FC-10CS	5/8" extended copper tube solder type

Copper Spun Filter Drier



Part No.	Molecular Sieve	Dia.	Inlet	Outlet	Description	Recommended Tonnage	
						R12	R22
XS108	8g	5/8"	1/4"	1/4" or capillary	copper shells and end tubes	1/3	1/2
XS110	10g	5/8"	1/4"	1/4" or capillary	copper shells and end tubes	1/3	1/2
XS112	12g	5/8"	1/4"	1/4" or capillary	copper shells and end tubes	1/3	1/2
XS115	15g	3/4"	1/4"	1/4" or capillary	copper shells and end tubes	3/4	1-1/2
XS117	17g	3/4"	1/4"	1/4" or capillary	copper shells and end tubes	3/4	1-1/2
XS120	20g	3/4"	1/4"	1/4" or capillary	copper shells and end tubes	3/4	1-1/2
XS125	25g	1"	1/4"	1/4" or capillary	copper shells and end tubes	3/4	1-1/2
XS130	30g	1"	1/4"	1/4" or capillary	copper shells and end tubes	3/4	1-1/2
XS208	8g	5/8"	1/4"	1/4" or capillary	no tubes, plastic cap covered ends	1/3	1/2
XS210	10g	5/8"	1/4"	1/4" or capillary	no tubes, plastic cap covered ends	1/3	1/2
XS212	12g	5/8"	1/4"	1/4" or capillary	no tubes, plastic cap covered ends	1/3	1/2
XS215	15g	3/4"	1/4"	1/4" or capillary	no tubes, plastic cap covered ends	3/4	1-1/2
XS217	17g	3/4"	1/4"	1/4" or capillary	no tubes, plastic cap covered ends	3/4	1-1/2
XS220	20g	3/4"	1/4"	1/4" or capillary	no tubes, plastic cap covered ends	3/4	1-1/2
XS225	25g	1"	1/4"	1/4" or capillary	no tubes, plastic cap covered ends	3/4	1-1/2
XS230	30g	1"	1/4"	1/4" or capillary	no tubes, plastic cap covered ends	3/4	1-1/2

** Length and molecular sieve to be adjusted as per customer's requirement.
 ** Packing: 150-250PCS each in a carton or 400-600 PCS each steel drum.

BC Series Run Capacitors (CBB65)

- Features:**
 Available Round or Oval
 The widest selection of ratings
 Non-PCB capacitors

Part No.	Voltage 370V Microfarad (μF)	Part No.	Voltage 440V Microfarad (μF)
BC315/5	15+5	BC315/5	15+5
BC315/10	15+10	BC315/10	15+10
BC3175/5	17.5+5	BC3175/5	17.5+5
BC320/5	20+5	BC320/5	20+5
BC320/15	20+15	BC320/15	20+15
BC325/5	25+5	BC325/5	25+5
BC325/7.5	25+7.5	BC325/7.5	25+7.5
BC330/5	30+5	BC330/5	30+5
BC330/7.5	30+7.5	BC330/7.5	30+7.5
BC330/10	30+10	BC330/10	30+10
BC335/5	35+5	BC335/5	35+5
BC335/7.5	35+7.5	BC335/7.5	35+7.5
BC335/10	35+10	BC335/10	35+10
BC340/5	40+5	BC340/5	40+5
BC340/7.5	40+7.5	BC340/7.5	40+7.5
BC345/5	45+5	BC345/5	45+5



Part No.	Voltage 370V Microfarad (μF)	Part No.	Voltage 440V Microfarad (μF)
BC300	10	BC300	10
BC3125	12.5	BC3125	12.5
BC315	15	BC315	15
BC3175	17.5	BC3175	17.5
BC320	20	BC320	20
BC325	25	BC325	25
BC330	30	BC330	30
BC335	35	BC335	35
BC340	40	BC340	40
BC345	45	BC345	45

MS Series Start Capacitors (Cd60)

110V/125V	
Capacity MFD	Part No.
88-108	MS108
108-130	MS130
124-149	MS149
130-156	MS156
145-175	MS175
161-193	MS193
189-227	MS227
216-259	MS259
233-280	MS280
243-292	MS292
270-324	MS324
324-388	MS388
340-408	MS408
378-454	MS454
400-480	MS480
430-516	MS516
460-552	MS552
540-648	MS648
590-708	MS708
645-774	MS774
708-850	MS850
720-864	MS864
829-995	MS995

220V/250V	
Capacity MFD	Part No.
88-108	MS208
108-130	MS230
124-149	MS249
130-156	MS256
145-175	MS275
161-193	MS293
189-227	MS327
216-259	MS359
233-280	MS380
243-292	MS392
270-324	MS424
324-388	MS488
340-408	MS508
378-454	MS554
400-480	MS580

Features:
Round type
Bakelite or plastic case

Capacity MFD	Part No.
72-86	MS186
88-108	MS208
108-130	MS230
124-149	MS249
130-156	MS256
145-175	MS275
161-193	MS293
189-227	MS327
216-259	MS359
233-280	MS380
243-292	MS392
270-324	MS424
324-388	MS488
340-408	MS508
378-454	MS554
400-480	MS580



Two Pole Contactors

Three Pole Contactors

Two Pole Contactors

Part No.	Coil Voltage 50/60Hz	Number of Poles	Full Load (A)	Maximum Voltage
25 FLA - 2 POLE				
QCA-252	24	2	25	120
QCB-252	120	2	25	240
QCC-252	208/240	2	25	240
30 FLA - 2 POLE				
QCA-302	24	2	30	120
QCB-302	120	2	30	240
QCC-302	208/240	2	30	240
40 FLA - 2 POLE				
QCA-402	24	2	40	120
QCB-402	120	2	40	240
QCC-402	208/240	2	40	240

CBB Series Run Capacitors (CBB60)



A type B type C type

Part No.	Voltage 250V Microfarad (μF)	Part No.	Voltage 450V Microfarad (μF)
CBB204	4	CBB204	4
CBB205	5	CBB205	5
CBB206	6	CBB206	6
CBB207	7	CBB207	7
CBB208	8	CBB208	8
CBB209	9	CBB209	9
CBB210	10	CBB210	10
CBB211	11	CBB211	11
CBB212	12	CBB212	12
CBB214	14	CBB214	14
CBB216	16	CBB216	16
CBB218	18	CBB218	18
CBB219	19	CBB219	19
CBB220	20	CBB220	20
CBB230	30	CBB230	30

Three Pole Contactors

Part No.	Coil Voltage 50/60Hz	Number of Poles	Full Load (A)	Maximum Voltage
30 FLA - 3 POLE				
QCA-303	24	3	30	110/120
QCB-303	120	3	30	200/208
QCC-303	208/240	3	30	240/277
40 FLA - 3 POLE				
QCA-403	24	3	40	110/120
QCB-403	120	3	40	200/208
QCC-403	208/240	3	40	240/277
50 FLA - 3 POLE				
QCA-503	24	3	50	110/120
QCB-503	120	3	50	200/208
QCC-503	208/240	3	50	240/277
60 FLA - 3 POLE				
QCA-603	24	3	60	110/120
QCB-603	120	3	60	200/208
QCC-603	208/240	3	60	240/277



Part No.	Voltage (V/Hz)	Defrost Frequency (Hours)	Defrost Time (Mins.)
TD-20C	220/50	8	17
TD-20C	220/60	6	25

Defrost Timer

Part No.	Supco Part No.	Gem. Part No.	Defrost Frequency (Hours)	Defrost Time (Mins.)
DGY904	SPB931WP	CC904	8	21
DGY900	SPG111GE	CC900	6	25
DGY902	SPF1111F	CC902	8	20
DGY905	SPJ1111AM	CC905	8	32
DGY903	SPL1111W	CC903	6	25
DGY901	SPN1111AD	CC901	6	21

Part No.	Timing Scope	
	Action Cycle 50/60Hz	Defrost Recovery Time 50/60Hz
DBZD-620	6h ± 6m/5h ± 5m	20m ± 4m/16m40s ± 3m20s
DBZD-625	6h ± 6m/5h ± 5m	25m ± 4m/20m50s ± 3m20s
DBZD-730	7h12m ± 6m/6h ± 5m	30m ± 5m/25m ± 4m10s
DBZD-725	7h12m ± 6m/6h ± 5m	25m ± 4m/20m50s ± 3m20s
DBZC-620	6h ± 8m/5h ± 7m	25m ± 6m/20m50s ± 5m
DBZC-625	7h12m ± 8m/6h ± 7m	25m ± 4m/20m50s ± 5m
DBZC-730	7h12m ± 6m/6h ± 5m	30m ± 5m/25m ± 5m



DGY Series

DBZD Series

DBZC Series

PW(Danfoss) Series Relay Protector

Part No.	Pick-up Current(A)	Drop-out Current(A)	Overload Current(A)
PW4.5A	3	2.5	6.5
PW5.5A	3.7	3	7.8

Part No.	Pick-up Current(A)	Drop-out Current(A)	Horsepower (hp)
PW-S1	4.25	3.35	1/5
PW-S2	4.75	3.75	1/4
PW-S3	5.3	4.25	1/3



QD Series Thermoprotector used in refrigerator

Part No.	Horsepower (hp)	Operating Temp.(°C)	Operating Current(A)
QD-18	1/8	110 ± 5	5.6
QD-16	1/6	110 ± 5	6.0
QD-15	1/5	115 ± 5	7.2
QD-14	1/4	115 ± 5	9.0
QD-13	1/3	120 ± 5	11.0
QD-12	1/2	120 ± 5	13.0



RP Series Push-on Type Relay

Part No.	Pick-up Current(A)	Drop-out Current(A)	Horsepower (hp)
RP18	3.15	2.5	1/8
RP16	3.75	3	1/6
RP15	4.75	3.75	1/5
RP14	5.35	4.25	1/4
RP13	6	5.2	1/3
RP12	8.4	7	1/2



QD Series Thermoprotector used in Air-conditioner

Part No.	Horsepower (hp)	Operating Temp.(°C)	Operating Current(A)
QD-1	1	140 ± 5	18
QD-1.5	1.5	145 ± 5	24
QD-2	2	150 ± 5	30
QD-3	3	155 ± 5	40



PP1100 Series Relay Protector

Part No.	Resistance (Ω)	Voltage (v)	Current (A)
PP1100-1	5	110	4
PP1100-2	22	220	6



MZ Series PTC Starting Relay with One, Two and Three Heads

Part No.	Resistance at 25°C (Ω)	Voltage (v)	Recovery Time(S)	Current (A)	Power (w)
MZ-12	12	≥450	≤80	6	6
MZ-15	15	≥600	≤80	7	7
MZ-22	22	≥600	≤80	7	7
MZ-33	33	≥600	≤80	6	6
MZ-47	47	≥600	≤80	8	8
MZ-100	100	≥600	≤80	3	3



IC Series Solid state Relay

Part No.	Voltage (v)	PTC Resistance (Ω)
IC-1	110	5 ± 20%
IC-2	220	22 ± 20%
IC-3	220	22 ± 20%
IC-4	220	22 ± 20%



ICG Series Relay

Part No.	Voltage (v)	Horsepower (hp)
ICG-1	115	1/12 thru 1/2
ICG-220	230	1/12 thru 1/3



ICA Series Relay-overload Combination

Part No.	Voltage (v)	Frequency (Hz)	Horsepower (hp)
ICA-13	120	50/60	1/4, 1/3
ICA-15	120	50/60	1/8, 1/6, 1/5
ICA-23	240	50/60	1/4, 1/3
ICA-25	240	50/60	1/8, 1/6, 1/5



SPP Starter Pow-R-Pak

Part No.	Voltage (v)	Increased Torque
SPP	115-230	210 Ounce Inches



Hard Start Kits

Part No.	Voltage (v)	Horsepower (hp)
HS600 (SPP5)	115-277	1/2-5
HS650 (SPP6)	115-277	1/2-10
HS410	115-277	1/4 and 1/3
HS810	115-277	1/12 thru 1/5
SPP8	120-288	10



PTC Overload Protector

Part No.	Voltage	Resistive
PTC-47	110V	5Ω
	220V	22Ω



PTC-47

Time Delay

QTD-068 Delay On Make	QTD-072 Delay On Break
18 - 240VAC/VDC	18 - 240VAC/VDC
1.5Amp	1.5Amp
15Amp.inrush	15Amp.inrush
SPST,N.O.	SPST,N.O.
Adjustable delays from 0.03 to 10 min. (1.8 to 600 seconds)	Knob-adjustable delays from 0.03 to 10 min. (1.8 to 600 seconds)



QTD-068



QTD-072

K Series Thermostat

Part No.	Warm		Cold	
	ON°C	OFF°C	ON°C	OFF°C
K50-P1110=VC1	2	--	-14.5	-23
K59-L1102=VT9	3.5	-12	3.5	-22
K50-P1125	8.5	--	-9.5	-18
K50-P1126	-9.5	--	-18	-24.5
K50-P1127	12.5	--	5	1.5
K50-P1117=VF3	-7	-12	-22	-30
K50-P1118=VB7	13	8	1.8	-3.3
K54-P1102=VS5	-11.5	-16	-20	-26
K60-P1013=VP4	-4	-11	-15	-24



Potential Relays Cross Reference

Part No.	Mars No.	G.E. Groups No.	WR/RBM No.	Techmesh No.
QRP-63	19002	2J,2K,2L,2M,7J,7K,7L,7M,7N,8M,8N	90-1,90-17 90-21,90-63	82777
QRP-64	19003	3A,3B,3AV,3AU,4A,4B,6A,6B,6AB,10A,10B,10AU,10AV	90-4,90-8,90-11 90-14,90-22,90-64	82783
QRP-65	19004	3P,3R,3AP,5P,5R,5S,5T,22S	90-3,90-7 90-40,90-65	82778
QRP-66	19005	3U,3V,3AT,6U,6V,6W	90-13,90-27 90-66	--
QRP-67	19006	3C,3D,3AA,4C,4D,4BK,6C,6D,6AA,10C,10D,26A,26B,26C,26D	90-5,90-6,90-15 90-19,90-25,90-67	82785
QRP-68	19007	3E,3F,3AB,3AC,4E,4F,4G,6E,6F,6G,10H,10AB,10AC,26E,26F,26G,26H,27E,27F,27G	90-9,90-12 90-16,90-20 90-23,90-68	82787
QRP-69	19008	3S,3T,10S,10T,25S,25T,10AS	90-10,90-18,90-24 90-24,90-26,90-41	82779



4TM Overload Protector

Part No.	Voltage
1/8HP	220V / 110V
1/6HP	220V / 110V
1/5HP	220V / 110V
1/4HP	220V / 110V
1/3HP	220V / 110V
1/2HP	220V / 110V



4TM series

NH(PTK-2) Overload Protector

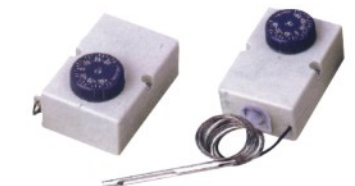
Part No.	Voltage	Power
NH-18	220V	1/8HP
NH-16	220V	1/6HP
NH-15	220V	1/5HP
NH-14	220V	1/4HP
NH-13	220V	1/3HP
NH-12	220V	1/2HP



NH series

FC Series Thermostat

Part No.	Operating temperature						Capillary (mm)
	Warm		Normal		Cold		
	ON°C	OFF°C	ON°C	OFF°C	ON°C	OFF°C	
FC-F2000	--	(+35)	--	0±3	--	(-35)	1750
FC-A2000	--	(+35)	--	0±3	--	(-35)	120



FC-A2000

FC-F2000

Pressure Controls

Part No.	Application	Settings P.S.I.		Setting Tolerance
		Open	Close	
LPS0520	Low Pressure	5	20	+/-5
LPS1020		10	20	+/-5
LPS2550		25	50	+/-5
HPS200150	High Pressure	200	150	+/-15
HPS250150		250	150	+/-15
HPS300200		300	200	+/-15
HPS350250		350	250	+/-15
HPS400300		400	300	+/-15

* To be adjusted as specific requirement.



A type



B type

ML and SL Series Defrost/Icemaker Thermostat



ML Series Part No.	SL Series Part No.	°DIFF	OPEN°F	CLOSE°F
ML37		10	37	47
ML45	SL45	20	45	25
ML50	SL50	20	50	30
ML55	SL55	20	55	35
ML60	SL60	20	60	40
ML70	SL70	20	70	50
ML80	SL80	50	80	30
ML90	SL90	55	90	35

Constant Power Parallel Heating Cable

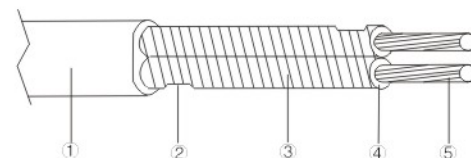
Power output	a230V:	30W/m
Max.exposure temp.power on		55°C
Max.exposure temp.power off		70°C
Maximum circuit length		60m
Heating zone length		500mm
Tinned copper conductors		2x0.75mm ²
Heating conductor element		Nickel-chrome
Insulation material		Silicone rubber
Braided metal sheath	AKO-52341	
Ekectruc strebgh	Testvoltage	1500V~
Loading tolerance		± 7%
Outer dimensions	AKO-52341 nominal	8x5 ± 0.5mm
Outer dimensions	AKO-52341 Max	
Minimum bendradius	a-25°C	20mm
Standardeel length		100-150m

Application:

To heat the floor of building,cooling house and warehouse,to melt snow and frost on slope,troughand roof. To prevent frostand to preserve heat of petroleum popeline and other devices.

Product structure picture

- ① Silicone insulating layer
- ② Conductor connecting point
- ③ Resistance wire
- ④ Silicone insulating layer
- ⑤ Copper conductor



Drainpipe heating jacket for preventing frostbote

Application:

widely used to cooling cabinets,cooling houses and cooling exhibition cabinets.todefrost and preve frcting of drainpipe.it is also applicable to wet industrial equipment and pipe or test pipe carrying out nonexplosive gas.to heat and preserve heat of tanks and troughs.

Heating strip for crankcase of air conditioner's compressor common spec

Rated voltage	Heater district/length	Power
110~240v	357/395mm	20w
110~240v	462/500mm	35w
110~240v	537/575mm	55w
110~240v	657/395mm	75w
110~240v	726/800mm	90w
110~240v	912/950mm	90w

Specification and model not shown in the list may be designed and made according to the user's demands.

Whip Kit



Liquid-tight flexible conduit system.. A labor saving convenience kit for A/C unit hookup. Also use for heat pumps, refrigeration, hot tubs, swimming pools and outdoor lighting. Three distinct colors for ease of hookup. 1 straight and 1 90° connector.

Part No.	Specification
1/2"-4 feet Whip Kit	1/2" PVC material conduit , 1/2" 90° liquid tight connector , 1/2" straight liquid tight connector
1/2"-6 feet Whip Kit	1/2" PVC material conduit , 1/2" 90° liquid tight connector , 1/2" straight liquid tight connector
3/4"-4 feet Whip Kit	3/4" PVC material conduit , 3/4" 90° liquid tight connector , 3/4" straight liquid tight connector
3/4"-6 feet Whip Kit	3/4" PVC material conduit , 3/4" 90° liquid tight connector , 3/4" straight liquid tight connector
3/4"-8 feet Whip Kit	3/4" PVC material conduit , 3/4" 90° liquid tight connector , 3/4" straight liquid tight connector

UL Polyamide Tubing

Properties

Flexible and excellent tenacity,glossy surface,high mechanical strength,wind resistant,anti-friction,resistant to oil,acid and solvents,uv-resistant,insulated,free of halogen,phosphor and cadmium.

Applications

Machine tool,machine building,electric insulation protection system,electric automatic control system,public trafficequipment, vehicle building、metro,electric locomotive and air-conditioner,etc.

Item No .	Size	I.D. (Mm)	O.D. (Mm)	Stat.r (mm)	Dyn.r (mm)	Packing Meter/Roll
NI206	1/4"	6.5	10.0	15	30	200
NI206	5/16"	10.0	13.0	20	40	100
NI206	3/8"	12.0	15.8	30	50	100
NI206	1/2"	16.0	21.2	40	70	100
NI206	3/4"	22.0	28.5	50	100	100
NI206	1"	28.02	34.5	60	120	50
NI206	1-1/4"	36.0	42.5	80	150	25
NI206	2"	46.5	54.5	100	180	25

Item No .	Fits to tubing size	Dimension(mm)					Thread	Packing Unit pcs/bag
		I.D.	A	B	C	E		
NLB-PF3/8"	1/4"	10.5	17.5	30.5	10.0	16.3	PF3/8"	50
NLB-PF3/8"	5/16"	10.5	20.6	37.0	13.0	16.3	PF3/8"	50
NLB-PF1/2"	3/8"	16.0	23.0	39.0	13.0	20.9	PF1/2"	50
NLB-PF1/2"	1/2"	16.0	29.5	43.5	13.0	20.9	PF1/2"	50
NLB-PF3/4"	3/4"	21.8	37.0	49.0	15.0	26.4	PF3/4"	50
NLB-PF1"	1"	29.0	44.0	52.0	16.0	33.2	PF1"	50
NLB-PF1-1/4"	1-1/4"	34.5	54.0	54.0	18.0	41.9	PF1-1/4"	25
NLB-PF2"	2"	50.0	67.0	59.5	22.0	59.6	PF2"	25

Item No .	Fits to tubing size	Dimension(mm)					Thread	Packing Unit pcs/bag
		I.D.	A	B	C	E		
NLL-PF3/8"	1/4"	10.5	17.5	46.0	10.0	16.3	PF3/8"	50
NLL-PF3/8"	5/16"	10.5	20.6	56.0	13.0	16.3	PF3/8"	50
NLL-PF1/2"	3/8"	17.0	23.0	60.0	13.0	20.9	PF1/2"	50
NLL-PF1/2"	1/2"	17.0	30.0	72.0	13.0	20.9	PF1/2"	50
NLL-PF3/4"	3/4"	21.8	37.0	82.0	15.0	26.4	PF3/4"	50
NLL-PF1"	1"	29.0	44.0	96.0	16.0	33.2	PF1"	30
NLL-PF1-1/4"	1-1/4"	34.5	54.0	108.0	18.0	41.9	PF1-1/4"	20
NLL-PF2"	2"	50.0	67.0	126.0	22.0	59.6	PF2"	10

CE ROHS REACH 5510

- ◆ Material:Polyamide 6
- ◆ Temperature range: -40°C~+120°C short-term to+150°C
- ◆ Color:Black&Grey
- ◆ Flame-retardant: Vo、HB(UL94)
- ◆ Protection degree:IP68



NL206 (ul)

Quick Screw Straight Connectors



NLB

Quick Screw Elbow Connectors



NLL

SECTION E



- ▶ Vacuum Pumps
- ▶ Condensate Pumps
- ▶ Service Tools
- ▶ Thermometer & Temperature Controller
- ▶ Tubing Tools

SINO-RESOURCE GROUP
 FL9, Wenhua Mansion No. 488 Zhenming Rd. Ningbo, China
 Website: www.favorcool.com
 Tel: +86 574 87194796, 87293453
 Fax: +86 574 87307052, 87317736
 E-mail: favorcool@sino-resource.com

Vacuum Pumps











Part No.	Voltage (v/Hz)	Capacity (CFM)	Vacuum (Pa/microns)	Motor Power (hp)	Motor Speed (rpm)	Intake Fitting (inch)
VP-0.5A	220V/50Hz	1	30/225	1/6	1440	1/4 SAE *
	110V/60Hz	1.2	30/225	1/6	1720	
VP-1A	220V/50Hz	2	30/225	1/4	1440	1/4 SAE *
	110V/60Hz	2.5	30/225	1/4	1720	
VP-1S(4.0kgs)	220V/50Hz	2	30/225	1/4	1440	1/4 SAE *
	110V/60Hz	2.5	30/225	1/4	1720	
VP-1.5A	220V/50Hz	3	30/225	1/4	1440	1/4 SAE *
	110V/60Hz	3.5	30/225	1/4	1720	
VP-2A	220V/50Hz	4	30/225	1/3	1440	1/4 SAE *
	110V/60Hz	4.8	30/225	1/3	1720	
VP-3A	220V/50Hz	6	30/225	1/2	1440	1/4 SAE *
	110V/60Hz	7.2	30/225	1/2	1720	
VP-4A	220V/50Hz	8	30/225	3/4	1440	1/4 SAE *
	110V/60Hz	9.6	30/225	3/4	1720	

Part No.	Voltage (v/Hz)	Capacity (CFM)	Vacuum (Pa/microns)	Motor Power (hp)	Motor Speed (rpm)	Intake Fitting (inch)
2VP-0.5C	220V/50Hz	1	5/25	1/4	1440	1/4 SAE *
	110V/60Hz	1.2	5/25	1/4	1440	
2VP-1C	220V/50Hz	2	5/25	1/3	1440	1/4 SAE *
	110V/60Hz	2.5	5/25	1/3	1440	
2VP-2C	220V/50Hz	4	5/25	1/2	1440	1/4 SAE *
	110V/60Hz	5	5/25	1/2	1720	
2VP-3C	220V/50Hz	6	5/25	3/4	1440	1/4 SAE *
	110V/60Hz	7.2	5/25	3/4	1720	
2VP-4C	220V/50Hz	8	5/25	3/4	1440	1/4 SAE *
	110V/60Hz	9.6	5/25	3/4	1720	

*: Intake Fitting Can Select: 1/4 SAE, 1/2 ACME or 3/8 SAE.

Power Supply Plugs

							
A01	A02	A03	A04	A05	A06	A07	A08
Europe Plug	Europe Plug	Europe Plug	Europe Plug	American Plug	Taiwan Plug	Australia Plug	England Plug

Super Vacuum Pumps



NEW

Part No.	Voltage (v/Hz)	Capacity (CFM)	Vacuum (Pa/microns)	Motor Power (hp)	Motor Speed (rpm)	Intake Fitting (inch)
VP115	220V /50HZ	1.5	10 / 75	1/3	1440	1/4SAE
	220V /60HZ	1.8	10 / 75	1/3	1720	1/4SAE
Vp125	220V /50HZ	2.8	10 / 75	1/3	1440	1/4SAE
	220V /60HZ	3.1	10 / 75	1/3	1720	1/4SAE
VP130	220V /50HZ	3.0	10 / 75	2/5	2880	1/4SAE
	220V /60HZ	3.6	10 / 75	2/5	3440	1/4SAE
VP145	220V /50HZ	4.5	10 / 75	1/2	2880	1/4SAE
	220V /60HZ	5.5	10 / 75	1/2	3440	1/4SAE
VP165	220V /50HZ	6.5	10 / 75	3/4	2880	1/4SAE
	220V /60HZ	7.5	10 / 75	3/4	3440	1/4SAE
VP185	220V /50HZ	8.0	10 / 75	3/4	2880	1/4SAE
	220V /60HZ	9.5	10 / 75	3/4	3440	1/4SAE
Vp1100	220V /50HZ	10.0	10 / 75	3/4	2880	1/4SAE
	220V /60HZ	12.0	10 / 75	3/4	3440	1/4SAE

Part No.	Voltage (v/Hz)	Capacity (CFM)	Vacuum (Pa/microns)	Motor Power (hp)	Motor Speed (rpm)	Intake Fitting (inch)
VP215	220V /50HZ	1.5	2 / 10	1/2	1440	1/4SAE
	220V /60HZ	1.8	2 / 10	1/2	1720	1/4SAE
VP230	220V /50HZ	3.0	2 / 10	3/4	2880	1/4SAE
	220V /60HZ	3.6	2 / 10	3/4	3440	1/4SAE
VP245	220V /50HZ	4.5	2 / 10	4/5	2880	1/4SAE
	220V /60HZ	5.5	2 / 10	4/5	3440	1/4SAE
VP265	220V /50HZ	6.5	2 / 10	1	2880	1/4SAE
	220V /60HZ	7.5	2 / 10	1	3440	1/4SAE
VP285	220V /50HZ	8	2 / 10	1	2880	1/4SAE
	220V /60HZ	9.5	2 / 10	1	3440	1/4SAE
VP2100	220V /70HZ	10	2 / 10	1	2880	1/4SAE
	220V /80HZ	12	2 / 10	1	3440	1/4SAE

Vacuum Pump Oil

Vacuum pumps can be operated with the oil listed below; using different oils affect all specified ultimate vacuum and cold starting.

Type	Kinematic Viscosity (40°C), mm ² /s	Viscosity Index	Flash Point	Four Point
46	41.4~50.6	101	230	-10
68	61.2~74.8	101	240	-10
100	90~110	105	250	-10



PC-12A Specification

- Sound level: <21 dbA
- 1 PH 50-60Hz
- Power supply: 220-240VAC < 12W 100-115VAC
- Water flow rate: 12L/h at zero head
- Thermal protection: 75°C
- Suction lift: max. 2 m
- Maximum head: 10 m

PC-36A Specification

- Sound level: <28 dbA
- 1 PH 50-60Hz
- Power supply: 220-240VAC < 25W 100-115VAC
- Water flow rate: 36L/h at zero head
- Thermal protection: 75°C
- Suction lift: max. 2 m
- Maximum head: 10 m

PC-12B Specification

- Sound level: <21 dbA
- 1 PH 50-60Hz
- Power supply: 220-240VAC < 12W 100-115VAC
- Water flow rate: 12L/h at zero head
- Thermal protection: 75°C
- Suction lift: max. 2 m
- Maximum head: 10 m

PC-36B Specification

- Sound level: <28 dbA
- 1 PH 50-60Hz
- Power supply: 220-240VAC < 25W 100-115VAC
- Water flow rate: 36L/h at zero head
- Thermal protection: 75°C
- Suction lift: max. 2 m
- Maximum head: 10 m



NEW



NEW

Type	CP-1018
Current Source	AC220-240V 50/60HZ
Max Head	3-3.5M
Discharge of Water	1800-2000CC/MIN
Outlet Piping	φ4X φ6
Suitable	All kinds of wall
Air-conditioning	Air-conditioning
Input Power	23/25W
Contour Size	L180 x H150 x W105



Type	CP-30228	CP-50228
Current Source	AC220-240V 50/60HZ	AC220-240V 50/60HZ
Max Head	3/3.5M	5/6M
Max Head	1800-3000CC/MIN	1800-3000CC/MIN
Discharge of Water	22/25W	55/58W
Electricity Consumption	Built-in	Built-in
Check valve	5/8 (Ram)	3/4 (Ram)
The Top / Bottom of the Inlet	3/8 (Ram)	3/4(Ram)
Outlet Piping	All kinds of Cabinets, fan coil	All kinds of Cabinets, fan coil
Suitable Air-conditioning	Ceiling Cassette	Ceiling Cassette
Contour Size	L250xH140xW110	L250xH140xW110



CP-1218



CP-1028



NEW

Mini style condensate water blowdown pump

Used for remove condensated water in inlaid type, ceiling suspended and disconnect-type air-conditioners.

CP-1218(1028) condensate water blowdown pump

CP-1218(1028) is a total system, used for remove condensated water in inlaid type, ceiling suspended and disconnect-type air-conditioners, which can't be removed naturally. PSB-1218(1028)'s design has two parts: pump room/control equipment, water storage tank add on automatic switch. This two parts' design mainly applied to installed in all kinds of air-conditioners easily. This two parts can be installed in air-conditioners, or pump room /control equipment can be installed on ceiling, which above the water storage tank within 1 meter. Floating control of water storage tank is separated into three parts: start-up, cease and safety warning switch. Enclose: inlet pipe, clamp, cloth insertion sheet, exhaust pipe and drain pipe.

Characteristic

- Full rotation type; start-up, cease, water line spilled over safety warning switch (start-up warmer or turn off air-conditioner)
- Designed as two parts, used for easily and quickly install.
- Pump is auto-suction type, can be installed in air-conditioner, or place in it above tank within 1 meter.
- Water storage tank connects on 13-17mm wash port in air-conditioner.
- Max flow: 14kl/h (3.7 US gallon)
- Max head: 12m (39feet)
- Operating range: 6kl/h while head is 4m (1.6 US gallon/h while head is 13.1 feet)
- Used for air-conditioner equipment, max is 10kw (30,000BTU) (4kw used in wet areas)
- Exhaust pipe enclose water storage tank
- Overheating auto poweroff protective device
- Design of pump exit used for: 4x6mm (5/32 inch inner diameter of water pipe)
- TUV certificate
- IP=20
- Enclose:
 - self-absorption water pipe: 1mx4mm (3 1/4 feetx5/32 inch inner diameter)
 - exhaust pipe: 150mmx4mm (6 inchx5/32 inch inner diameter)
 - drain pipe of air-conditioner: 75mmx13mm (3 inchx 1/2 inch inner diameter)

Programmable Refrigerant Charging Scale



NOTE: TO prevent damage, never exceed the rated capacity of the RCS-9010/RCS-9020.



Certified: Calibrated to standards traceable to the national institute of standards and technology (N.I.S.T.)

Item	RCS-7020	RCS-9020
CAPACITY	100KGS/220 LB	100KGS / 220 LB
ACCURACT	± 0.5% OF READING +/- 1 LEAST	± 0.5% OF READING +/- 1 LEAST
RESOLUTION	0.5 OZ / 10G	0.5 OZ / 10G
PLATFORM SIZE	8-3/4" x 8-3/4" 223x223MM	8-3/4" x 8-3/4" 223x223MM
POWER	5x 1.5 V ALKALINE BATTERY (7.5VDC)	5x 1.5 V ALKALINE BATTERY (7.5VDC)
DIMENSIONS	23.2x23.2x5.8 CM	23.2x23.2x5.8 CM
BATTER LIFE	30 HOURS CONTINUOUS USE	60 HOURS CONTINUOUS USE
OPERATION TEMPERATURE	10°C (50F-122F)	10°C (50F-122F)
WEIGHT	2.485KG(5.47 IBS)	2.74KG(6.03 IBS)

Refrigerant Gas Leak Detector



	HLD101	HLD102	HLD201
Features:	<ul style="list-style-type: none"> ◆ Detects all halogenated refrigerants ◆ Detect once power on, no need manual-adjustment ◆ Vari-speed sensitivity adjustment ◆ Enter into the best state of detecting automatically while adjusting the sensitivity. ◆ Tricolor battery voltage indication ◆ Equipped with quality sensor, high sensitivity, 6gr/yr ◆ Inner precise IC with ultra-low consume circuit design, more stable, longer battery time. 	<ul style="list-style-type: none"> Dimensions: 17CM x 6CM x 3.8CM Batteries: 2 x 1.5V AA Alkaline Batteries(3VDC) Battery Life: 40 hours Sensitivity: < 3G / year (0.1 oz / yr) Sensor Lifetime: Approx. 30 hours Operation Temperature: 32-122° F(0-50°C) Warm up time: < 2 sec. Response time: Instantaneous Reset time: Instantaneous Probe Length: 12" (30 cm) 	<ul style="list-style-type: none"> Dimensions: 22.9CM x 6.5CM x 6.5CM Batteries: 2 x 1.5V AA Alkaline Batteries(3VDC) Battery Life: 40 hours Sensitivity: < 3G / year (0.1 oz / yr) Sensor lifetime: Approx. 30 hours Operation Temperature: 32-122° F(0-50°C) Warm up time: < 10 SEC. Response time: Instantaneous Reset time: Instantaneous Probe Length: 14" (33.5 cm)



HLD202		HLD100+		SLD-300	
Dimensions:	22.9CM X 6.5CM X 6.5CM	◆ Detects all kinds of halogenated refrigerants		Dimension:	3000mm x 65mm x 65mm
batteries:	2X1.5V AA' Alkaline batteries(3VDC)	◆ Single color LED display with 6-level leak alarm.		Detecting gas:	r22,r134a,r407c,r404a,r410a,r507(az-50) and all other cfcs, hcfc, hfc
battery life:	40 hours	◆ Tricolor display of battery voltage.		Sensitivity:	3g/yr(0.1oz/yr)r134a
sensitmy:	<3G/Year(0.1OZ/YR)	◆ RESET time sensitivity adjustment.		Warm up time:	<30s
sensor lifetime:	Approx.30hours	◆ Eeal time sensitivity adjustment.		Response time:	<10s
operating temperature:	32-122°F(0-50°C)	◆ Adopts quality sensors that can detect slightly leaked halogen gases.		Power supply:	3.7v li 2200mah
warm up time:	<10 S e c.	◆ 14 inches (35.5cm) flesible stainless steel probe.		Standby time:	>4h
response tme:	Instantaneous'				
reset time:	Instantaneous'				
probe length:	14" (33.5CM)				

Clamp Meter



FC-2017

FC-260D

FC-2027

FC-266

Part No.	AC Current	AC Voltage	Resistance
FC-2017	200/600A ±(2.0%rdg+5dgts)	200/600V ±(1.5%rdg+5dgts)	200 Ω ±(1.5%rdg+5dgts)
FC-2027	200/600A ±(2.0%rdg+5dgts)	200/600V ±(1.2%rdg+5dgts)	200 Ω ±(1.5%rdg+2dgts)
FC-266	200/1000A ±(2.0%rdg+5dgts)	750V ±(1.0%rdg+4dgts)	200/20K Ω ±(1.0%rgd+2dgts)
FC-260D	20/200/1000A ±(2.0%rdg+5dgts)	200/750V ±(1.0%rdg+4dgts)	200/2K/20K/200K/2M Ω ±(1.0%rgd+3dgts)

Anemometer

VA-8020 Temperature/Vane anemometer

Measure:	m/s,km/h,mph,kts,Beaufort scale,°C,°F
Resolution:	0.1m/s,1fpm,0.1°C,0.1°F
Range:	0.4~20m/s,80~4000 fpm
Sample Rate:	0.5sec
Operating temperature:	-10~50°C,14~122°F
Special function:	Auto power off,Data hold; MAX and MIN; Back light
Dimension:	157x60x30mm
Weight:	180g



VA-8020

VA-6450 Ultrasonic Distance Meter

Measure distance,height ,area,volume fast and easily	
Measurement range:	0.6~15m
Accuracy:	±0.5%±2digit
Resolution:	0.01m
Aperture angle:	Approx±5
Laser type:	630~650nm
Laser power:	=1mw
Laser class:	class II (US version)
Battery:	gv 6F22 006P NEDA1604
Size:	130x50x30mm
Weight:	Approx. 150g



VA-6450

VA-6520 Infrared Thermometer

Measurement range:	-50°C-200°C(-58°F-932°F)
TAMB measurement:	0°C~50°C
Over range indication:	" OL " or " -OL "
Resolution:	0.2
Field of view:	8.0
Typical Distance to Target:	up to 1.5m
Emissirity:	0.95
Auto power off:	20S



VA-6520

Digital Multimeter



FC-380



FC-2010



FC-838



FC-830L

Part No.	DC Current	AC Voltage	Resistance	DC Voltage
FC-380	2.5m/25m/200m/20A	20/50/250/1000v	1/10/100/1k/10k	0.1/0.5/2.5/10/50250/1000v
FC-2010	2m/20m/200m/10A	200/600V	200/2000/20K/200K/2M/20M	200m/2/20/200/600V
FC-838	2000u/20m/200m/10A	200/750V	200/2000/20k/2000k	200m/2000m/20/200/1000v
FC-830L	2m/20m/200m/10A	200/600v	200/2000/20k/200k/2000k	200m/2/20/200/600v

Temperature Recorder



DR-200A+



RC-3

DR-200A+
Menu descriptions:

Menu Items	Function	Setting Range	Default
-AA-Basic parameter setting submenu			
AXXX	Temperature	-39°C~109°C	25°C
2AXX	Alarming difference in temperature	0~20°C	0°C
3AXX	Startup delay	0~6Hour	0
4AXX	Alarm delay	0~90minutes	5
5AXX	Printing Language selection	o Polish 1 English	1
-BB-System time setting submenu			
BOXX	Year Setting	(20)00~(20)79(Year)	
2BXX	Month Setting	01~12(Month)	
3BXX	Day Setting	01~31(day)	
4BXX	Hour Setting	00~23(Hour)	
5BXX	Minute Setting	00~59(Minute)	
-CC-Recording cycle setting submenu			
COXX	Hour setting	00~23(Hour)	00
2CXX	Minute setting	00~59(Minute)	05
-DD-Print setting submenu			
DDXX	Print start-up month setting	-1(Last month)0(Current month)1(Jan to Dec)	-1
2DXX	Print start-up date setting	1~31(Date)	01
3DXX	Print start-up date setting	00~23 0 clock	00
4DXX	Print end month setting	-1(Last month)0(Current month)1(Jan-Dec)	0
5DXX	Print end date setting	1~31(Date)	31
6DXX	Print end hour setting	00~23 0 clock	23
-GG-User name setting submenu			
XX-X	New user name input	See Addenda1	Blank space
-HH-working site setting submenu			
XX-X	New working site Input	See Addenda1	001
-OL-Recording data clear-up submenu			
CL	Data cancelled mode		

RC-3 Descriptions:

Main features:

- ◆ Small size: compact, occupy less space.
- ◆ Convenient data connection and data save: connect to PC via USB cable, and the data could be saved in the form of curved graph, Excel or Word.
- ◆ Big recrd capacity: record up to 16000 Points
- ◆ Power supply: internal battery
- ◆ LCD disply: Data could be display in LCD screen

It is widely used to monitor the temperature in all kinds of middle and low temperature cold storage, medicine and foodstuff industry.

It could record the temprature variation, and by connection to PC via USB cable, data could be read or saved in the form of curved graph, Excel or Word. Max./Min. value could also be checked.

Technical parameters:

- ◆ Temperature measuring range: -30°C~+60°C;
- ◆ Dimension: length 84mm * width 44mm * height 20mm
- ◆ Ambient temperature range: -30°C~+60°C;
- ◆ Storage temperature tange: -40°C~+70°C
- ◆ Accuracy: ±1°C;
- ◆ Resolution: 0.1°C
- ◆ Record vcapacity: 16000 points(MAX);
- ◆ Record intetval: 10s~24 hour adjustable;
- ◆ Sensor: internal NTC thermal resistor;
- ◆ Communication interface: USB interface;
- ◆ Power supply: inner 3VCR 2450 battery or power supplier via USB interface;
- ◆ Battery life: in normal temperature 25°C, if the record interval sets as 15 minutes, it could be used above one year.

Digital Room Thermostat



DRT-510



DRT-2010



DRT-303A



DRT-306



DRT-806



DRT-3010



DRT-8700

Technical specification:

1. Supply voltage: 24/110 /220VAC ± 10%, 50/60Hz
2. Temperature control precision: ± 1°C
3. Temperature control rating: 5°C-35°C
4. Sensor type: NTC
5. Relative humidity: <85% (23°C)

Basic function:

- Work modes (Cool、Heat, Auto or Vent)
- Fan speed (Low、Med、High or Auto)
- Low temperature protection function
- Surveys, display and set room temperature
- Large, clear, backlit display easy-to-see and read
- Memory function: parameters are permanently held in memory and retained during power outages.
- Guards remote-controlled function (option)
- Built-in interrupter.
- Display temperature recalibrates
- Surveys, display and set room temperature
- Anti-freezing protection
- Sleep function

Mechanical Room Thermostat



Part No.	Dimensions (mm)	Temperature Range	Current (A)	Voltage (v)	Frequency
T200	86 x 86 x 32	10°C~30°C	2	220± 10%	50/60Hz
T201	86 x 86 x 32	10°C~30°C	6	220± 10%	50/60Hz
T202	83.5 x 83.5 x 38	10°C~30°C	10	220± 10%	50/60Hz
T300	70 x 115 x 32	50°F~90°F, 10°C~32°C	--	--	--

Charging Hose



Model	Pressure Length	Pressure			Connection
		500-2500Psi	600-3000Psi	800-4000Psi	
336RYB	3-36"	336RYB-A	336RYB-B	336RYB-C	1/4" SAE
	3-60"	360RYB-A	360RYB-B	360RYB-C	
	3-72"	372RYB-A	372RYB-B	372RYB-C	
E-336RYB	3-36"	E-336RYB-A	E-336RYB-B	E-336RYB-C	1/4" SAE
	3-60"	E-360RYB-A	E-360RYB-B	E-360RYB-C	
	3-72"	E-372RYB-A	E-372RYB-B	E-372RYB-C	
M-336RYB	3-36"	M-336RYB-A	M-336RYB-B	M-336RYB-C	1/4" SAE
	3-60"	M-360RYB-A	M-360RYB-B	M-360RYB-C	
	3-72"	M-372RYB-A	M-372RYB-B	M-372RYB-C	
436RYB	4-36"	436RYB-A	436RYB-B	436RYB-C	1/4" SAE
	4-60"	460RYB-A	460RYB-B	460RYB-C	
	4-72"	472RYB-A	472RYB-B	472RYB-C	

*1/2" ACME or other connection size available upon customers' requirements

Manifolds



FC-101

Part No.	Description
FC-101	Basic unit: aluminium body with sight glass, hook and 2 handwheels.
FC-136G	Complete kit: 101,2 gauges,336RYB hose.
FC-160G	Complete kit: 101,2 gauges,360RYB hose.
FC-172G	Complete kit: 101,2 gauges,372RYB hose.



FC-401

Part No.	Description
FC-401	Basic unit: aluminium body with sight glass, hook and 4 handwheels.
FC-436G	Complete kit: 101,2 gauges,336RYB hose.
FC-460G	Complete kit: 101,2 gauges,360RYB hose.
FC-472G	Complete kit: 101,2 gauges,372RYB hose.



FC-501

FC-601

Part No.	Description
FC-501	Basic unit: brass body with sight glass, hook and 2 handwheels.
FC-536G	Complete Kit: 501,2 gauges, 336RYB hose.
FC-560G	Complete Kit: 501,2 gauges, 360RYB hose.
FC-572G	Complete Kit: 501,2 gauges, 372RYB hose.

Part No.	Description
FC-601	Basic unit: brass body, hook and 2 handwheels, without sight glass.
FC-636G	Complete Kit: 601,2 gauges, 336RYB hose.
FC-660G	Complete Kit: 601,2 gauges, 360RYB hose.
FC-672G	Complete Kit: 601,2 gauges, 372RYB hose.

Color-coded Pressure and Compound Gauge



Part No.	Description
RG-250	Blue compound 30"-0-250 PSI, class 2.5 connection bottom 1/8"NPT, 2-3/4"dia.
RG-500	Red pressure 0-500 PSI, class 2.5 connection bottom 1/8"NPT, 2-3/4"dia.
250GF	Compound filled glycerine 30"-0-250 PSI, class 1.6 connection back 1/4"SAE, 2-3/4"dia, stainless steel frame
500GF	Pressure filled glycerine 0-500 PSI, class 1.6 connection back 1/4"SAE, 2-3/4"dia, stainless steel frame
250B-GF	Compound filled glycerine 30"-0-250 PSI, class 1.6 connection bottom 1/8"NPT, 2-3/4"dia, stainless steel frame
500B-GF	Pressure filled glycerine 0-500 PSI, class 1.6 connection bottom 1/8"NPT, 2-3/4"dia, stainless steel frame

Automotive Quick Coupler



Model	Connection
QC-12	1/4" SAE
QC-15	1/4" SAE
QC-L	14mm
QC-H	14mm
QC-LA	1/4" SAE
QC-HA	1/4" SAE



FC-466G

PV-341

PV-1

Single Gauge Valve

Part No.	Description
FC-466	Single three way valve
FC-466G	Charging and testing unit

PV Series Piercing Valve

Part No.	Tubing Size O.D.
PV-1	1/4", 5/16", 3/8"
PV-341	3/16"~3/8"



FC-01A

FC-01B

Automotive Adapter Kit

Part	Description
FC-01A(CH-135)	Complete Kit: red blue hoses & 3pcs 90° adapters
FC-01B(CH-138)	Complete Kit: red blue hoses 3pcs 90° adapters & connector

FC Series Can Tap Valve



FC-336

FC-337

FC-339

FC-340

Part No.	Description
FC-336	Refrigerant can tap valve, 1/4" flare outlet valve bottom and female thread fitted with 7/16-27UNF can thread
FC-337	Refrigerant can tap valve, 1/4" flare outlet valve bottom and female thread fitted with 7/16-27UNF can thread.
FC-338	Refrigerant can tap valve, 1/4" flare outlet valve bottom and female thread fitted with 12mm x 1.25 can thread.
FC-339	Refrigerant can tap valve, 10mm flare outlet valve bottom and female thread fitted with 14mm x 1.25 can thread
FC-340	Refrigerant can tap valve for both R12 & R134a.



OP-01

Charge oil pumps

Charge-oil pump eliminates the danger of drawing air and moisture into a refrigeration system when charging a compressor with refrigeration oil. It charges without pumping the compressor down thus reducing charging time by over 70%. It pumps one litre in 20 full strokes of the piston.

Digital Thermometer



DST-10

-50~+70°C
DiSplay resolution: 0.1°C
Accuracy: ±1°C(-100~+20.0°C)
others±2°C



DST-30

-50°C~+80°C
Resolution: 0.1°C
Accuracy: ±1°C(-20°C~+80°C)
at other ranges, ±2°C



WT-1

-50°C~+300°C(-58°F~+572°F)
Resolution: 0.1 >200°C is 1 (>400°F is 1°F)
Accuracy: (-20°C~+80°C)±1°C



WT-2

-50°C~+300°C(-58°F~+572°F)
Resolution:0.1,>200°C:1
Accuracy: ±1°C(-20°C~+80°C)
±5°C(other range)



PT1005

-40°C~+70°C
-40°F~+160°F



ST50

-40~+150°C or -40~270 °F,
2"(50mm) dial, 48" cable
back-up lithium battery,
solar powered



DST-60

-50°C~+80°C
Resolution: ±0.1°C
Accuracy: ±1°C



DT-2

Measuring range:
Temperature: -50°C~+70°C
Humidity: 20%~99%
Power:DC1.5V



DT-3

Measuring range:
IN: -30°C~+50°C
Out: -50°C~+70°C
Temperature range: 20%~99%
Power:DC1.5V



BT-2

Indoor temp.:
-30°C~+50°C(-22°F~+122°F)
Outdoor temp.:
-50°C~+70°C(-58°F~+158°F)
Humidity:20%~99%

Refrigeration Thermometer

Part No.	Diameter (mm)	Cap.Length (mm)	Measuring Range
60D1.5	60	1500	-40°C~+40°C
80D1.5	80	1500	
100D1.5	100	1500	



60D1.5

Microcomputer Temperature Controller



STC-200

Power supply:220VAC±10%
(12VAC/DC,24VDC optional)
Power consumption:<5W
Temperature measuring
and controlling range:-50~120°C
Display resolution:0.1 1when≥100°C
Accuracy:±0.5°C from-10 to 85°C;
<±2°C at others



STC-8080H

1Power supply:
220VAC+10%/~15% 50/60Hz
Power consumption:<3W
Temperature measuring range:-50~99°C
Temperature measuring range:-40~50°C
Resolution:1°C
Accuracy:±1°C from-50 to 70°C,
±2°C at others



STC-9200

1Power supply:220VAC 50Hz
Power consumption:<5W
Ambient temperature:0~60°C
Relative humidity:20%-85%
(No condensate)
Accuracy:±1°C



CTE-102

Technical parameters:
◆Power supply:200vac-240vac,
50hz~60hz;
◆Relay output capacity:compressor
10a/220vac;
◆Rated resistant loading 8a
◆Temperature measuring range:
-50°C~+70°C
◆Resolution:1°C±0.5 digit
◆Operating temperature:-10°C~+60°C



ETC-60

Technical parameter
◆Power supply:220VAC+10%/~15%,50/60Hz
◆Temperature measuring range:
NTC:-50°C~+120°C/-58°F~+248°F
PTC:-50°C~+150°C/-58°F~+302°F
◆Resolution:NTC0.1°C/1°C/0.1°F/1°F
PTC0.5°C/1°C/1°F
◆Accuracy:NTC±1°C/±2°F
PTC±3°C/±5°F
◆Relay capacity of defrost and fan:
10A/220VAC



DHC-100+

Technical parameter
◆Power supply:220VAC+10%/~15%,
50/60HZ
◆Resolution:1%RH
◆Accuracy:±(5%RH+0.5digit) at 25°C
±(6%RH+0.5digit) at 0%RH~59%RH
±(8%RH+0.5digit) at others,
when+10°C~+40°C
◆Relay output contact capacity:
10A/220VAC



ETC-512B

◆ Power supply : 220V+15%~10%
◆ Temperature controlling range :
-50°C~105°C
◆ Relay ca[actoty] : 16A/250V
◆ Working temperature : -10°C~60°C
◆ Working humidity : 10~90%
◆ Storage teperature : -20°C~70°C
◆ Front panel : IP65



ETC-902

◆ Temperature controlling range :
-50~+99° C;
◆ Product size : 75X34.5X58mm;
◆ Mounting size : 71X29mm
◆ Measuring range : NTC (-50°C~120°C)
PTC (-50°C~150°C)
◆ Control output : 8A/250VAC
for compressor
◆ Power supply : 220VAC ± 10%



ETC-974

◆ Temperature controlling range :
-50~+99° C;
◆ Product size:75X34.5X58mm;
◆ Mounting size : 71X29mm
◆ Measuring range : NTC (-50°C~120°C)
PTC (-50°C~150°C)
◆ Control output : 8A/250VAC
for compressor
◆ Power supply : 220VAC ± 10%

Automatic Voltage Switcher



AVS 13A



AVS 15A



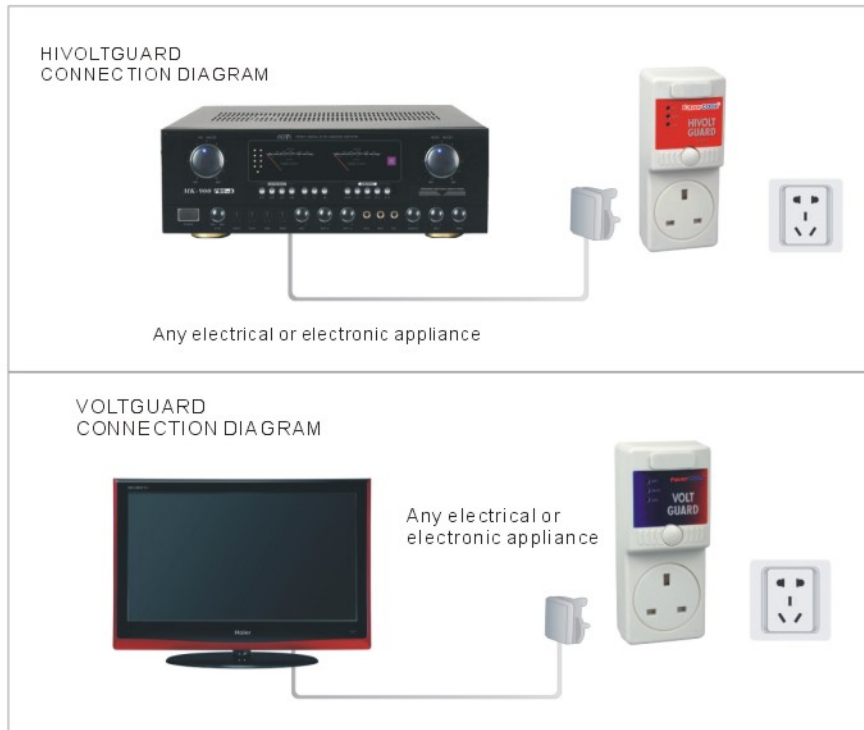
AVS 30A

Model	AVS13	AVS15	AVS30
Nominal Voltage	230V	230V	110V 230
Watts	3120	3600	330 7200
Frequency	50/60Hz	50/60Hz	50/60Hz
Load Current (Amps)	13	15	30 30
Inrush Current (20ms)	70Amps	110Amps	110Amps 110Amps
Max Consumption (milli Amps)	100mA	110mA	110mA 110Amps
Wait Time	15secs~3mins	15secs~3mins	10s~10m plus manual
Over-Voltage Disconnect	265V	265V	230V~300V plus off
Over-Voltage Reconnect	263V	263V	2V Below HVD Settina
Under-Voltage Disconnect	185V	185V	150V~230V
Under-Voltage Reconnect	190V	190V	5V above LVD Setting
Max Supply	320V	320V	160V 320V
Spike/ Surge Protection Joules	160	160	80 160
Amps	6500A(8/20us)	6500A(8/20us)	6500A(8/20us)
Response	10 nanosecs	10 nanosecs	10 nanosecs
Response Time (over Voltage)	20 millisecc	20 millisecc	20 millisecc
Response Time (undef Voltage)	1 second	1 second	Adjustable 05~10 second
Brown-out response time	20 millisecc	20 millisecc	20 millisecc



NEW

Model AVS3P	115V	240V
Current(Amps)	16A@230V	16A@230V
Nominal voltage(V)	115/200V	230/240V
Wait time(mins)	10sece to 10mins	10sece to 10mins
window limits	adjustable	adjustable
HySteresis(V)	4	4
Socket type	direct via brass screw terminal	direct via brass screw terminal
Fused plug	N/A	N/A
RFI protection	NO	NO
Attcnuation(db)	NO	NO
Transient suppression	YES	
Spike protection(J)	80J@115V	160J@230V
Max consumption	35VA	35VA
Max supply(phase to neutral)	140/243V	280/485V



AVS5A



AVS7A



Model	A/C GUARD	AVS5A	AVS7A
Nominal voltage	230V	230V	230V
Current	20Amps	5Amps	7Amps
Frequency	50/60Hz	50/60Hz	50/60Hz
Mains Spike Response Time	<10 ns	<10 ns	<10 ns
Mains Spike Discharge Amps	6.5KA	6.5KA	6.5KA
Spike Protection	160J	160J	160J
Wait Time	4minutes	30seconds	30seconds



A/C GUARD

FreoGuard 16A,30A

Voltage protection for all fridges, freezers, and coolers.

Features:

- Low voltage protection
- High voltage protection
- Spoke/Surge protection
- Water splash proof for rugged application
- Suitable for Air conditioners up to 30A or 240,000BTU.



FreoGuard 30A

Over-voltage is potentially damaging to all electrical and electronic equipment and electronic equipment. One particularly damaging condition can occur when the supply returns after the mains has been off, as reinstatement of the supply is frequently accompanied by high voltage surges and transients. The FreoGuard protect equipment by disconnecting the mains supply when it goes either below or above pre-set acceptable limits. It also has an intelligent time delay* providing added protection against frequent stops and starts. Intelligent Start up delay: By monitoring the mains supply at all times, if the unit has been switched off for a long period, the FreoGuard reduces its own start up delay to maximize operation time.

The FreoGuard has a built-in microprocessor which adds the advanced feature TimeSave™. TimeSave™ means that when the mains returns to normal, the FreoGuard checks the duration of the OFF time. If the unit has been off for more than 3 minutes then it will reconnect the mains within 30 seconds rather than the standard 3 minutes. This means the FreoGuard will give you more vital working time than any other protection unit.

Cutter



FC-127



FC-174



FC-274



FC-312

Part No.	Description	Capacity
FC-127	Mini tube cutter	1/8" ~ 5/8" O.D
FC-174	Mini tube cutter	3/8" ~ 1-1/8" O.D

Part No.	Description	Capacity
FC-274	Heavy duty cutter	1/8" ~ 1-1/8" O.D
FC-312	Heavy duty cutter	1/4" ~ 1-5/8" O.D



FC-109



FC-206

Part No.	Description	Capacity
FC-109	Heavy duty cutter	5/16" ~ 1-5/8" O.D
FC-206	Heavy duty cutter	3/8" ~ 2-5/8" O.D



CT-501



CT-502



CT-503

Part No.	Description	Capacity
CT-501	32mm Inspect Mirror	Length: 127~500mm
CT-502	50mm Inspect Mirror	Length: 200~410mm
CT-503	Pick up tool	Length: 126~637mm



FC-201



FC-122

Part No.	Description
FC-201	7" Pinch-off plier
FC-122	1/4, 3/8, 3/16, & 5/16" square ratchet wrench

Flaring & Swaging Tools



FC-193



FC-94



FC-95



FC-195



CT-525F

Part No.	Description	Capacity
FC-193	Set of swaging punches	1/4, 5/16, 3/8, 1/2 & 5/8"
FC-94	3-in-1 swaging punch	1/2, 5/8 & 7/8"
FC-95	5-in-1 swaging punch	1/4, 5/16, 3/8, 1/2 & 5/8"
FC-195	Flaring tool	3/16, 1/4, 5/16, 3/8, 7/16, 1/2 & 5/8" O.D. Tubing
CT-525F	Flaring tool	5-16mm or 3/16-5/8" O.D. Tubing

Tubing Tool Kit



Part No.	Description	Capacity
FC-275L	Flaring & swaging tool kit	1/8, 3/16, 1/4, 5/16, 3/8, 1/2, 5/8 & 3/4" O.D. tubing and 5 swaging adaptors which cover 3/16, 1/4, 5/16, 3/8, 1/2, 5/8 & 3/4" O.D.
FC-278L	FC-275 & FC-274 & FC-122	see above
FC-809AML	Eccentric cone type flaring tool	3/16, 1/4, 5/16, 3/8, 1/2, 5/8 & 3/4" O.D. tubing and 6, 8, 10, 12, 14, 16 & 19mm O.D. Tubing
FC-808AML	Eccentric cone type flaring tool with cutter kit	3/16, 1/4, 5/16, 3/8, 1/2, 5/8 & 3/4" O.D. tubing and 6, 8, 10, 12, 14, 16 & 19mm O.D. tubing



Part No.	Description	Capacity
FC-100A	Tubing tool kit	Expander heads: 3/8", 1/2", 5/8", 3/4", 7/8", 1", 1-1/8", FC-312 & FC-208
FC-100M	Tubing tool kit	Expander heads: 10, 12, 16, 19, 22, 25, 28mm, FC-312 & FC-208

Part No.	Description	Capacity
FC-300A	Tubing tool kit	Expander heads: 3/8", 1/2", 5/8", 3/4", 7/8", 1", 1-1/8", (1-1/4", 1-3/8", 1-1/2"), FC-107 & FC-208
FC-300M	Tubing tool kit	Expander heads: 10, 12, 16, 19, 22, 25, 28, (32, 35, 38)mm, FC-107 & FC-208

Part No.	Description	Capacity
FC-999	Bender kit	For 1/4", 5/16", 3/8", 1/2", 5/8", 3/4", & 7/8", O.D.
FC-999H	Hydraulic Bender kit	For 1/4", 5/16", 3/8", 1/2", 5/8", 3/4", & 7/8", O.D.

Tube Bender



Part No.	O.D. Tubing	Description
FC102-04	1/4"	Spring bender, length 10"
FC102-05	5/16"	Spring bender, length 10"
FC102-06	3/8"	Spring bender, length 10"
FC102-08	1/2"	Spring bender, length 12"
FC102-10	5/8"	Spring bender, length 14"
FC102-12	3/4"	Spring bender, length 14"
FC368	1/4, 5/16 & 3/8"	3-in-1 90°
FC368-180	1/4, 5/16 & 3/8"	3-in-1 180°

Part No.	O.D. Tubing	Description
FC364-05	5/16"	radius to center of tube 11/16"
FC364-06	3/8"	radius to center of tube 15/16"
FC364-08	1/2"	radius to center of tube 1-1/2"
FC364-10	5/8"	radius to center of tube 2-1/4"
FC364-12	3/4"	radius to center of tube 3"
FC364M-08	8mm	radius to center of tube 11/16"
FC364M-10	10mm	radius to center of tube 15/16"
FC364M-16	16mm	radius to center of tube 2-1/4"
FC364M-19	19mm	radius to center of tube 3"



Part No.	Description
PTC-01	Capillary tube cutter for 1mm~3mm O.D
PTC-02	Cutter for all sizes of capillary tube without collapsing nor swaging the tubes
FC-207	Handy deburrer, Blade can be swivelled.
FC-208	Inner-outer reamer, plastic body, 3/16" to 1/2"
FC-351	Fin straightener; 8, 9, 10, 12, 14 & 15 spacing per inch.
FC-352	Steel fin straightener

Part No.	Description
PTC-01	Capillary tube cutter for 1mm~3mm O.D
PTC-02	Cutter for all sizes of capillary tube without collapsing nor swaging the tubes
FC-207	Handy deburrer, Blade can be swivelled.
FC-208	Inner-outer reamer, plastic body, 3/16" to 1/2"
FC-351	Fin straightener; 8, 9, 10, 12, 14 & 15 spacing per inch.
FC-352	Steel fin straightener

Welding Rods & Ring

Rod Size: 1.32 x 3.2 x 500mm (flat)
3 x 3 x 500mm (square)
φ 2.0~3.0 x 500mm (round)

Phosphorus-containing Brazing Alloys (Cu-P), (Ag-P-Cu)

Brazing Alloy	Chemical Composition (%)			Melting Range (°C)		Equivalent Specifications		
	Ag	Cu	P	Solidus	Liquidus	AWS A5.8	DIN8513	BS1845
HP-02	--	Rem	6.8~7.5	710	800	BcuP-2	L-CuP7	Cp3

Super Welding - BCuNiSnP-C



- Melting Temperature : 630 °C;
 - High Tensile strength after welding;
 - High Resistivity performance;
 - Directly replace 50% Ag welding rod - BAg50CuZn, and price is 70% more cheaper than it;
- Paste type with compact package, use with Mapp Gas, easy carry easy work.

Hose-seal,gasket&core kit



CH-236		
Item	Qty	Description
CH-9520C	10	Valve cores
CH-9800	10	R134 valve cores
CH-L08	5	8mm low side
CH-V066	5	For peugeot/volvo
CH-H10	5	10mm high side
CH-GMH	5	For gm high
CH-1213P	1	Valve core remover



CH-237		
Item	Qty	Description
CH-1214AL	1	Valve core remover
CH-9520C	10	Valve core
CH-9800	10	R134 valve core
OR9134-4	10	R4105/16" SAE HOSE GASKET
OR501-3	30	R12 1/4" SAE HOSE GASKET
OGB79583	10	1/4" SAE DEPRESSOR



CH-238		
Item	Qty	Description
ORQCL-3	10	FOR QC-L
ORQCH-3	10	FOR QC-H
ORQC-3	10	FOR QC-12L
ORQC-4	10	FOR QC-12H
OR340-2	10	FOR CH-340
Or146	10	FOR CH-146
		CA-04X06 CA-04X08
ORVCR	10	FOR VCR-04
OR501-3	15	FOR R12 1/4" SEA HOSE GASKET
Or9134	10	FOR R410 5/16" SEA HOSE GASRET
OR501-3H	15	FOR R134 1/4" SEA HOSE GASRET



CH-239		
Item	Qty	Description
CH-1213L	1	Valve core remover
CH-9520C	10	Valve core
OGB79583P1	10	1/4" sae depressor
OR9134-4	10	R410 5/16" SAE HOSE GASKET
OR501-3	30	R12 1/4" SAE HOSE GASKET
ORB79583	10	1/4" SAE DEPRESSOR



QFV-2K Ice makers installation kit

Quality now offers a complete, economically priced installation kit for ice makers and humidifiers. Individually packed. master carton: 25 units.

Kit content

- QFV-2 self tapping saddle valve.
- 25 feet x 1/4" O.D. Plastic tubing.
- 1 hexagonal nut.
- 1 compression union.
- 3 plastic sleeves.
- 3 brass inserts.
- 1 male cinpression/female flare connector.
- Installation instructions English/Spanish.



Propane Gas

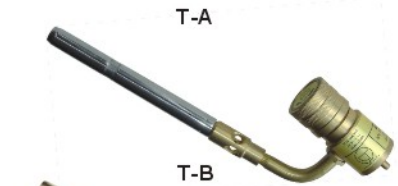


Mapp Gas



T-D

Part No.	Description
Mapp Gas	16 oz/cylinder
Propane Gas	14 oz/cylinder
T-A	Welding torch , piezoelectric ignition suit for Mapp gas and propane gas
T-B	Welding torch , suit for Mapp gas and propane gas
T-2B	Welding torch , use for big copper tube
T-C	Welding torch , with 1.5m~2m hose
T-D	Quick Self-Lighting , Brazes/solder



T-A



T-B



T-2B



T-C

Welding Torch

◆Micro Welding Torch



H01-2

◆French Type Welding Torch



H01-6B

◆Japanese Type Welding Torch



H01-6

◆French Type Welding Torch



H01-6C

◆Switzerland Type Welding Torch



H02-6

◆Welding Kit



HCW-11

B-A

Product name :	Tool bag
Model number :	B-A
Dimension :	Length:30CM Width:9CM Height:29CM
Material :	Oxford cloth
Technical grade :	Grade one



SECTION F



- ▶ Bracket for A/C Outdoor Unit
- ▶ A/C remote Controller
- ▶ Universal A/C Control System
- ▶ Insulation Tube
- ▶ Aluminum Foil Tape, PVC Tape
- ▶ Air Curtain & PVC Strip Door
- ▶ A/C Cleaner

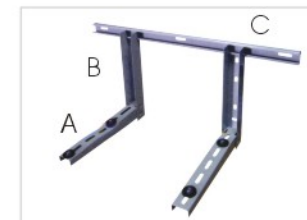
SINO-RESOURCE GROUP
 FL9, Wenhua Mansion No. 488 Zhenming Rd. Ningbo, China
 Website: www.favorcool.com
 Tel: +86 574 87194796, 87293453
 Fax: +86 574 87307052, 87317736
 E-mail: favorcool@sino-resource.com



Bracket for A/C Outdoor Unit

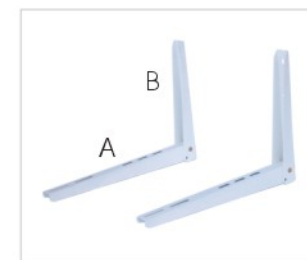
Model	A (mm)	B (mm)	Packing	1x20'
B-400	460	360	506x62x68-2.16kg	6000 Pcs
B-550	560	460	620x90x70-2.85kg	6000 Pcs

**Stainless Steel



Model	A (mm)	B (mm)	C (mm)	Packing	1x20'
C-3011	380	400	700	705x75x90-3.3kg	4000 Pcs
C-3012	480	400	700	705x75x90-3.6kg	4000 Pcs
C-3013	620	420	1000	1005x75x90-5.9kg	3000 Pcs

** Steel



Model	A (mm)	B (mm)	Packing	1x20'
D-3011	450	400	480x80x55-2.78kg	5500 Pcs
D-3012	500	400	530x80x55-2.9kg	5500 Pcs
D-3013	550	400	580x80x55-3.4kg	5000 Pcs
D-3014	650	460	680x80x55-3.46kg	5000 Pcs

** Steel

Universal A/C Control System



QD-POIE

- Phase order protection, when the phase sequence of wiring scheme changed caused by the circuit maintenance, release the contactor at once for protecting the compressor.
- Phase loss, when any one of three phases cut-out, release the contactor at once for protecting the compressor.
- Compressor overcurrent protection, high pressure protection, low pressure failure indication.



QD-U12A

- LCD background light display panel
- Auxiliary heating function
- Anions fresh air function
- Power protection
- Other features same as QD-U10Q



ZL-U02B

- * 5 Working Mode. * 3 Fan Speed.
- * Accurate & Stable Temperature Control
- * Accurate & Stable Auto Fan
- * Timer In-line/Off-line Sleep * Time Defrost
- * Compressor protect timer for its run and stop.
- * Prevent cold wind in heating mode



ZL-U02C

Economic model, 2 fan speed, other function same as that of ZL-U02B, price is even low. There are some other processes for this model, the result is more easy installation, more safe.



ZL-U10A / ZL-U11A (New)

High quality, full function. It is suitable for both split and cabinet conditioner. In control and display panel, And the manipulation is so simple as that the baby and old man can control the conditioner without any difficulty.



ZL-U03A

Compared with U02B, its defrosting function works when the temperature difference of the input and output air less than 16 Celsius. So it is more efficient in heating mode, and suitable for cold area.

A/C Remote Controller

Below Multi-Functional Remotes Apply to Various Air-Conditioner including: MITSUBISHI, SHARP, HITACHI, TOSHIBA, DAIKIN, SANYO, NEC, HAIER, NATIONAL, WHIRLPOOL, CHUNLAN, AUX, BOERKA, MIDEA, CHANGHONG, GREE, SAMSUNG, CARRIER, CHIGO, CHOFU, CONROWA, CORONA, DOCTOR, AUCMA, ELECTROLUX, FUJITSU, FUNAI, GALANZ, GLEE, GOLDSTAR, GUQIAO, HISENSE, HUIFENG, HUIKANG, HYUNDAI, JDC, JINDA, ALPIN, JOHSON, KELON, KLIMATAIR, KOLIN, KONKA, LEHUA.....etc.



KT-508



KT-518



KT-109E



KT-208(208 in 1)



KT-100A II



KT-N818
(1028 in 1)



KT-528
(1028 in 1)



KT-e01
(2000 in 1)



KT-e02
(4000 in 1)



KT-e05



KT-1000
(1000 in 1)



KT-9018
(4000 in 1)



KT-8088
(4000 in 1)



KT-N828
(2000 in 1)



KT-Super 1
(2000 in 1)

Aluminum Foil Adhesive Tape

By roll, 27m lengths 20 rolls per carton.

Thickness (mm)	Width (mm)
0.03	45
0.03	50
0.04	45
0.04	50
0.05	45
0.05	50

** To be adjusted as per specific requirement.



A/C Drain Pipe

Size: ϕ 16mm, ϕ 20mm, 50m lengths, By roll.



CORK TAPE

(black rubber , airconditioner heat preservation tape)

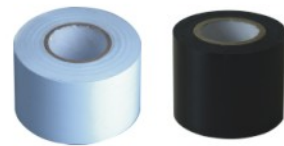


Thickness (mm)	Width (mm)	Length (inch/mm)
3	25	30/9140
3	50	30/9140
5	50	30/9140

Suitable temperature range: -20°F to 360°F

Nature: Pull strength 13kg/cm², extension rate 800%, good recovery nature after compress.

PVC Air Condition Service Tape



Part No.	Size
PVC1	0.13mm x 48mm x 15m
PVC2	0.13mm x 48mm x 18m



Insulation Tape with Self-adhesive

By roll, 30ft(9.14m) length 30 rolls per carton.

Thickness (mm)	Width (mm)
3	25
3	50
5	50



PVC Electrical Insulation Tape

Part No.	Size
EIT-06	0.13mm x 19mm x 6yds
EIT-08	0.13mm x 19mm x 8yds
EIT-10	0.13mm x 19mm x 10yds
EIT-20	0.13mm x 19mm x 20yds
EIT-10M	0.13mm x 19mm x 10m
EIT-20M	0.13mm x 19mm x 20m

Insulation Tube

Carton size: 1890 x 340 x 400mm

I.D. (inch)	Thickness 3/8" (pcs/ctn*)	Thickness 1/2" (pcs/ctn*)	Thickness 3/4" (pcs/ctn*)	Thickness 1" (pcs/ctn*)
1/4	168	120	48	30
3/8	120	100	36	30
1/2	100	80	30	28
5/8	90	63	30	24
3/4	72	56	26	20
7/8	65	42	24	20
1	49	36	20	18
1-1/8	49	36	20	18
1-1/4	42	30	20	16
1-3/8	36	30	18	15
1-5/8	30	25	16	12
1-7/8	28	20	12	10
2	24	20	12	9
2-1/8	20	18	12	9
2-3/8	20	18	9	8
2-5/8	18	13	8	8
2-7/8	18	13	8	8
3	18	12	8	8
3-1/8	15	12	6	6
3-1/2	15	12	6	6



Fashion Wind air curtain



Model	Size (mm)	Volt./Freq.	Motor power (W)	Air volume (m ³ /h)	Air speed (m/s)	Noise (dB)	N.W (kg)
FM-1209LK	900x180x180	220v /50Hz	160	1530	12	<57	8.5
FM-1212LK	1200x180x180	220v /50Hz	200	2070	12	<58	11
FM-1215LK	1500x180x180	220v /50Hz	230	2730	12	<59	12



Model	Size (mm)	Volt./Freq.	Motor power (W)		Air volume (m ³ /h)		Air speed (m/s)	Noise (dB)		N.W (kg)
			Hi	Lo	Hi	Lo		Hi	Lo	
FM-3509	900x230x215	220v /50Hz	230	200	1100	600	13-16	52	49	13
FM-3510	1000x230x215	220v /50Hz	250	220	1200	900	13-16	52	49	13.5
FM-3512	1200x230x215	220v /50Hz	290	260	1500	1200	13-16	53	50	15.5
FM-3515	1500x230x215	220v /50Hz	380	350	1900	1500	13-16	55	53	20
FM-3518	1800x230x215	220v /50Hz	450	420	2280	1800	13-16	57	54	23.5
FM-4009	900x230x215	220v /50Hz	300	270	1400	1000	16-20	57	54	13
FM-4010	1000x230x215	220v /50Hz	320	290	1550	1100	16-20	57	54	13.5
FM-4012	1200x230x215	220v /50Hz	400	370	1900	1500	16-20	58	55	15.5
FM-4015	1500x230x215	220v /50Hz	500	470	2300	1900	16-20	61	58	20



Model	Size (mm)	Volt./Freq.	Motor power (W)		Air volume (m ³ /h)		Air speed (m/s)	Noise (dB)		N.W (kg)
			Hi	Lo	Hi	Lo		Hi	Lo	
FM-1209T/Y5G	900x190x220	220v /50Hz	160	110	1400	1100	9-11	57	55	10
FM-1210T/Y5G	1000x190x220	220v /50Hz	180	130	1600	1300	9-11	58	56	11
FM-1212T/Y5G	1200x190x220	220v /50Hz	200	150	1900	1600	9-11	58	56	12.5
FM-1215T/Y5G	1500x190x220	220v /50Hz	230	180	2500	2000	9-11	59	57	15.5
FM-1218T/Y5G	1800x190x220	220v /50Hz	300	250	3200	2600	9-11	60	58	18



Model	Size (mm)	Volt./Freq.	Motor power (W)		Air volume (m³/h)		Air speed (m/s)	Noise (dB)		N.W (kg)
			Hi	Lo	Hi	Lo		Hi	Lo	
FM-3509S	900x241x215	220v /50Hz	230	200	1100	600	13-16	52	49	14
FM-3510S	1000x241x215	220v /50Hz	250	220	1200	900	13-16	52	49	15
FM-3512S	1200x241x215	220v /50Hz	290	260	1500	1200	13-16	53	50	18.5
FM-3515S	1500x241x215	220v /50Hz	380	350	1900	1500	13-16	55	53	25
FM-4009S	900x241x215	220v /50Hz	300	270	1400	1000	16-20	57	54	14
FM-4010S	1000x241x215	220v /50Hz	320	290	1550	1100	16-20	57	54	15
FM-4012S	1200x241x215	220v /50Hz	400	370	1900	1500	16-20	58	55	18.5
FM-4015S	1500x241x215	220v /50Hz	500	470	2300	1900	16-20	61	58	25

Beverage Coolers

Item	SB-1
Temperature	2°C~10°C
Refrigerant	R22, 134a
Dimension	600x600x1820
Voltage	110~220V
Frequency	50~60Hz



SB-1

Flexible Strip Door

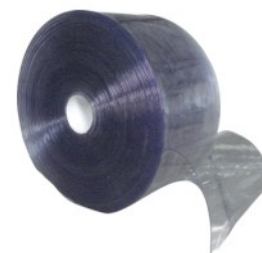
Our PVC strip door designed to help save energy and reduce dust and noise. Available as complete strip door with mounting hardware, bulk rolls, or individual replacement strips. Available in different colour (clearly), opaque (black only).

Size:
 Width: 200mm,300mm,1200mm(black only).
 Thickness: 2mm,2.6mm,3mm.
 Length: Standard length is 50m per roll, but we can offer cut to size if required. We can even supply mounting hardware.



Barcket for PVC Strip Door

Material: Stainless steel and steel.
Length: 1 Meter.
Thickness: 1mm,0.76mm.
Plate Length: 150mm,100mm



Acid out

- Compressor Burnout Acid Neutralizer Remover
- Packing:4oz/bottle
- 24x4oz/bottle



SB Series Cleaner

SB-910

Evaporator Coil Cleaner A/C Evaporator Coil Cleaner A/C Evaporator Coil Cleaner and Sanitization Recommended for Evaporator Coils, Air Filters and Mechanical Equipment Removes Grease, Oxidation.

- Environmentally Safe
- USDA Authorized
- Non-Acid, Non-Toxic
- Non-Caustic, Self-Rinsing
- Contains Metal Fatigue Inhibitors
- Good for all Metal, Copper & Aluminium



SB-910

SB-910A

SB-910A

READY FOR USE

SB-920

Acid Condenser Cleaner & Brightener: Foaming Acid Condenser Cleaner & Brightener Favorcool SB-920 is the most powerful penetrating foaming acid coil cleaner on the market. Favorcool SB-920 effortlessly pushes dirt,bugs, grease, oxides and other contamination off and through the coils and from all inaccessible areas.

- Heavy Duty
- Cleans & Brightens Finned Air Coils
 - Good for Copper,
 - Aluminium and Brass



SB-920

SB-920A

SB-920A

READY FOR USE

SB-930

External Condenser Coil Cleaner and Brightener Recommended for evaporator and Condenser Coils, Air Filters and Mechanical Equipment. Removes Grease, Oxidation and Built-up Dirt.

- Biodegradable
- USDA Authorized
- Non-Acid
- Eliminate Dirt, Grease & Oxides
- Contains Metal Fatigue Inhibitors
- Good for all metal, copper & aluminium



SB-930

SB-930A

SB-930A

READY FOR USE

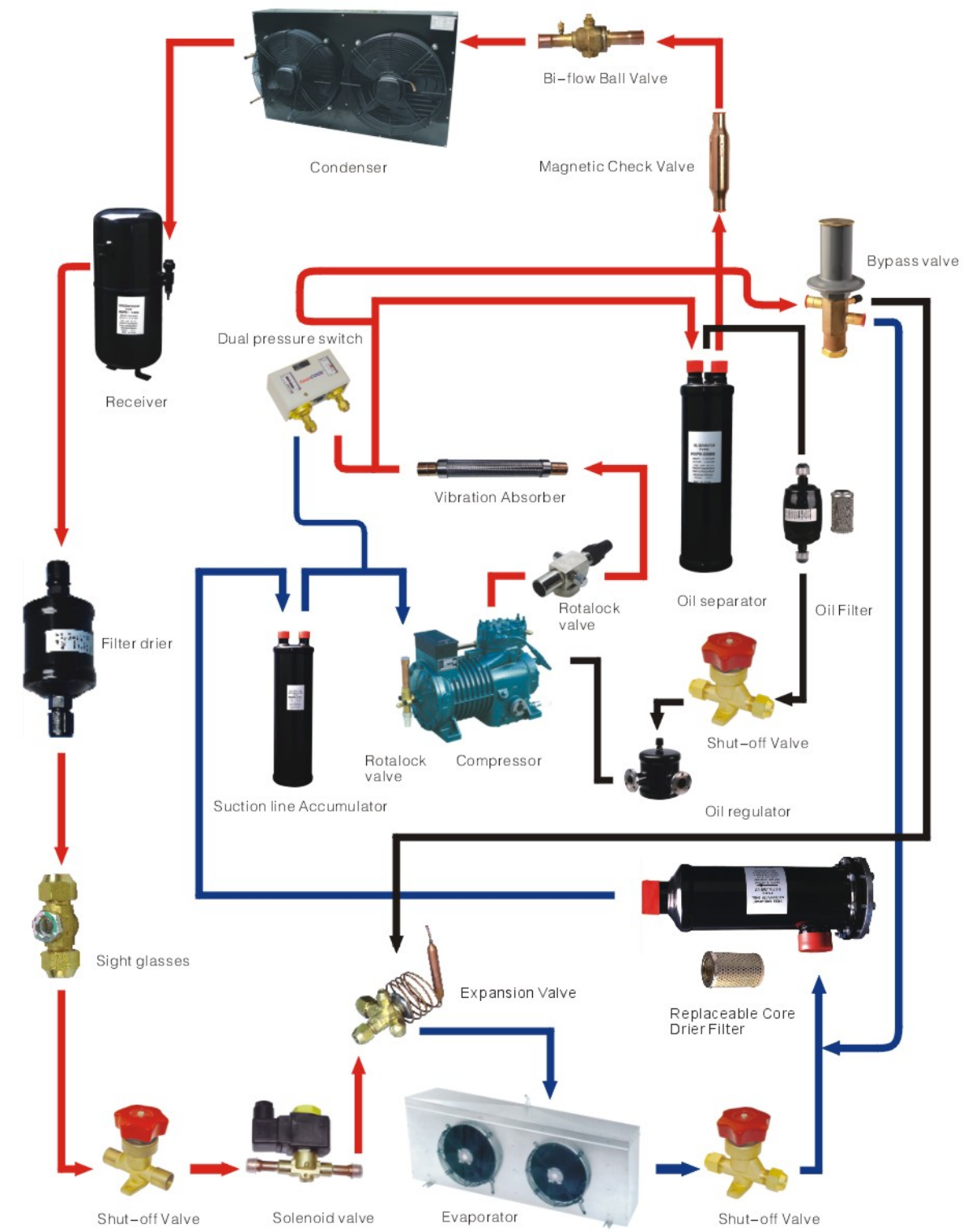
SECTION G



- ▶ Coldroom Panel & Doors
- ▶ Latches & Hinges
- ▶ Vibration Eliminator & Controls
- ▶ Receivers, Separator & Filter Driers, etc.

SINO-RESOURCE GROUP
 FL9, Wenhua Mansion No. 488 Zhenming Rd. Ningbo, China
 Website: www.favorcool.com
 Tel: +86 574 87194796, 87293453
 Fax: +86 574 87307052, 87317736
 E-mail: favorcool@sino-resource.com

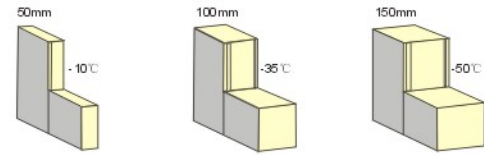
Schematic of Refrigeration System



A series
B series
C series
D series
E series
F series
G series
H series
I series

Cold Room

Cold Room Panel



Width: 960(mm)
length: 1900/2200/2400/2600/2800/4500(mm)



We provide one Step Solution for Cold Room Project, design, manufacture, Mounting Service all included.

Cold Room Panel

Polyurethane sandwiched panels are of 100% polyurethane insulation, which is constructed by being foamed in place with retarded polyurethane using high pressure. Average density is 45kg/m³.

Standard widths of panels are 960mm, the maximum lengths of panels are provided 4.5m till now. Thickness 50mm/100mm/150mm. Nonstandard sizes are also available upon request with prices varying. Surface material can choose stainless steel plate or painted galvanized mild steel or salt steel plate.

Every panel consists of tongue and groove construction and can be tightened by a number of eccentric fasteners, which may be screwed easily with a hexagonal key.

Standard Hinged Door

Part No.	Door Dimension (mm)	Installation Dimension (mm)
L700	790 x 1790	700 x 1700
L900	1000 x 2000	900 x 1900

** To be adjusted as per specific requirement

Heat insulation material:

* Polyurethane(Thickness: 100mm)

Surface Material:

* Painted Galvanized Mild Steel

Automatically Return Door

Part No.	Door Dimension (mm)	Installation Dimension (mm)
H700	790 x 1790	700 x 1700
H900	1000 x 2000	900 x 1900

** To be adjusted as per specific requirement

Heat insulation material:

* Polyurethane(Thickness: 100mm)

Surface Material:

* Painted Galvanized Mild Steel

Sliding Door

Part No.	Installation Dimension (mm)	Door Dimension (mm)
P900*1040	900 x 1900	1040 x 2040
P1040*1180	1040 x 1900	1180 x 2040
P1200*1340	1200 x 2000	1340 x 2140
P1500*1640	1500 x 2000	1640 x 2140

Heat insulation material:

* Polyurethane(Thickness:100mm)

Surface Material:

* Painted Galvanized Mild Steel



Latches

Part No	Description
FC-1178	Safety latches with inside release handle, adjustable height from 35mm to 70mm, Zinc body
FC-1200	Edge mount mechanical latches, adjustable height from 18mm to 22mm, Zinc body.
FC-1250	Edge mount mechanical latches, adjustable height from 18mm to 22mm, Zinc body.
FC-1240	Edge mount mechanical latches, adjustable height from 18mm to 22mm, Zinc body.
FC-1060	6" Lever & Roller latches, Zinc body.
FC-1040	4" Lever & Roller latches, Zinc body.
FC-1400	Edge mount mechanical latches, adjustable height from 26mm to 36.5mm, Zinc body.
FC-1061	Edge mount mechanical latches, adjustable height from 26mm to 36mm, Zinc body.
FC-3-0681	Edge mount mechanical latches, adjustable height from 28mm to 38mm, Zinc body.
FC-3-0680	Edge mount mechanical latches, adjustable height from 28mm to 38mm, Zinc body.

Hinges

Part No	Description
FC-306	Reversible Reach-in Edge mount Cam-Lift Hinge
FC-1132	Reversible Reach-in Edge mount Cam-Lift Hinge
FC-1332	Reversible Reach-in Edge mount Cam-Lift Hinge(high32mm)
FC-1336	Reversible Reach-in Edge mount Cam-Lift Hinge(high36mm)
FC-1238	Reversible Reach-in Plane Hinge
FC-1230S	Reversible Reach-in Plane Hinge (with spring)
FC-201	Reversible Reach-in Plane Hinge(w/o spring)
FC-1424	Cam-Lift Hinge 24mm
FC-380	Cam-Lift Hinge 32mm
FC-1432	Cam-Lift Hinge 32mm
FC-1470	Reach-in door hinge, adjustable height from 40 to 70mm, Zinc body.
FC-1460	Reach-in door hinge, adjustable height from 32 to 60mm, Zinc body.
FC-1450	Reach-in door hinge, adjustable height from 32 to 50mm, Zinc body.
FC-110	Counterpoising pressure ventilator, stainless steel or alnico surface, stainless steel filter(220V/36W)
FC-220	Counterpoising pressure ventilator, stainless steel or alnico surface, stainless steel filter(220V/36W)

Motorized Valve

Part No.	Description	Connect thread(NPT)	Kv(Cv)	Differential shut-off pressure(Mpa)
MV-E01A-12	2-Way,Erie C type	1/2"	2.2 (2.5)	0.20
MV-E01B-12	3-Way,Erie C type	1/2"	2.6 (3.0)	0.20
MV-E01A-58	2-Way,Erie C type	5/8"	3.0 (3.5)	0.18
MV-E01B-58	3-Way,Erie C type	5/8"	3.4 (4.0)	0.18
MV-E01A-34	2-Way,Erie C type	3/4"	3.0 (3.5)	0.18
MV-E01B-34	3-Way,Erie C type	3/4"	3.4 (4.0)	0.18
MV-E01A-1	2-Way,Erie C type	1"	6.9 (8.0)	0.15
MV-E01B-1	3-Way,Erie C type	1"	6.5 (7.5)	0.15



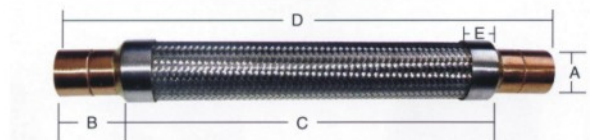
HF68 Series Flow Switch



- 1** — Connection size: (1", 3/4", 1/2")
- 15** — Current: (5A, 10A, 15A)
- A** — Body size A: 64 X 64 X 48mm
B: 52 X 52 X 48mm
- S** — Material S: 304 Stainless Steel
□: Brass
- HF68** — Flow Switch

Part No.	Current		Voltage 125~250V	Connection size			Flow capacity 18~2000L/S	Material	
	10A	15A		1"	3/4"	1/2"		SS316	Brass
HF68A-15-1		✓	✓	✓			✓		✓
HF68A-15-3/4		✓	✓		✓		✓		✓
HF68A-15-1/2		✓	✓			✓	✓		✓
HF68B-10-1	✓		✓	✓			✓		✓
HF68B-10-3/4	✓		✓		✓		✓		✓
HF68B-10-1/2	✓		✓			✓	✓		✓
HF68SA-15-1		✓	✓	✓			✓	✓	
HF68SB-10-3/4	✓		✓		✓		✓		✓
HF68SB-10-1/2	✓		✓			✓	✓		✓

Vibration Eliminator



Part No.	Inch	Dimensions(inch)					Max Working Pressure(psig)	Burst Pressure (psig)
		A(I.D)	B(±1/8)	C(±1/8)	D(±1/4)	E(±1/16)		
DH-1	3/8	3/8	13/16	6-15/16	8-9/16	1/2	500	2500
DH-2	1/2	1/2	7/8	7-1/4	9	1/2	500	2500
DH-3	5/8	5/8	15/16	8	9-7/8	11/16	500	2500
DH-4	3/4	3/4	1-1/4	8-1/16	10-9/16	11/16	500	2500
DH-5	7/8	7/8	1-7/16	9-1/8	12	13/16	500	2500
DH-6	1-1/8	1-1/8	1-13/16	9-7/16	13-9/16	13/16	500	2500
DH-7	1-3/8	1-3/8	2	11-1/2	15-9/16	7/8	500	2500
DH-8	1-5/8	1-5/8	2-1/4	12-3/8	16-7/8	15/16	500	2500
DH-9	2-1/8	2-1/8	2-3/4	15-3/16	20-5/8	15/16	390	1950
DH-10	2-5/8	2-5/8	3-1/8	18-1/16	24-5/16	1-1/4	340	1700
DH-11	3-1/8	3-1/8	3-7/16	20	26-15/16	1-1/2	300	1500
DH-12	3-5/8	3-5/8	4-1/8	24	32-3/16	1-9/16	175	525
DH-13	4-1/8	4-1/8	4-7/16	24	32-15/16	1-9/16	175	525

HLP Series Pressure Controller



HLP830HM



HLP506



HLP830HLM

Rated Voltage	Power Factor	125/250V
Rated Current	COS φ	Current(A)
Non-Inductive Current	1	12
Full Load	0.75	12
Starting	0.45	72

Part No.	Range(Mpa)		Differential(MPa)		Factory Setting		
	Min	Max	Min	Max	OFF(ON)	ON(OFF)	
HLP110	0.1	1	0.1	0.3	0.6	0.5	
HLP506	-0.07	0.6	0.06	0.4	0.3	0.2	
HLP506M	-0.07	0.6	reset disparity	≤0.1	0.3	manual reset	
HLP520	0.8	2.4	0.2	0.5	1.6	1.3	
HLP530M	0.8	3	reset disparity	≤0.4	2	manual reset	
HLP530D	0.5	3	0.3	1	2	1.5	
HLP830	Low side	-0.07	0.6	0.06	0.4	0.3	0.2
	High side	0.8	3	Approx 0.4 Fixed		2	1.5
HLP830HM	Low side	-0.07	0.6	0.06	0.4	0.3	0.2
	High side	0.8	3	reset disparity	≤0.4	2	manual reset
HLP830HLM	Low side	-0.07	0.6	reset disparity	≤0.1	0.3	manual reset
	High side	0.8	3	reset disparity	≤0.4	2	manual reset

PDC Series Pressure Differential Controller

Features

Two model can be choice: with Time-delay model, none time-delay model.
Adjustable of pressure different.
Used electronic timer-delay replaced.
Flexible mounting plate suits various kinds of application.
Using temperature of environment: -20~70°C.

Electrical Data

Voltage	Power	125V(AC)		250V(AC)	
		Amps		Amps	
Non-inductive	1	12	12	12	12
Invariableness	0.75	12	12	12	12
Starting	0.75	72	72	72	72



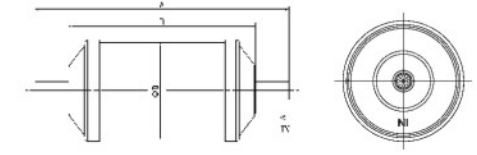
PDC-105



PDC-105T

Part No.	Adjust Range(MPa)	Switch Differential(MPa)	Delaying Time (Sec.)	Factory Set (MPa)	Max. Working Pressure(MPa)
PDC-105	0.05~0.35	0.05~0.15	--	0.1	1.5
PDC-105T	0.05~0.35	0.05~0.15	45,60,90,120,±0.5	0.1	1.5
PDC-120	0.05~0.5	0.05~0.5	--	0.1	2.0
PDC-120T	0.05~0.5	0.05~0.5	45,60,90,120,±0.5	0.1	2.0

SR Liquid Line Drier-Filter (Compacted bead)



Type	Connections		Liquid Flow Capacity					weight of molecular sieve	Dimensions		
	ODF	SAE	R134a	R22/R410A	R407C	R404A/R507	R502		A	B	D
SR-032		1/4	6.7	7.4	7.2	4.9	4.6	25g	113	66	43
SR-032S	1/4		8.1	8.7	8.5	6.0	5.6	25g	110	66	43
SR-033		3/8	9.5	10.2	10.2	7.0	6.7	25g	123	66	43
SR-033S	3/8		10.5	11.6	11.6	7.7	7.4	25g	114	66	43
SR-052		1/4	9.0	9.8	7.7	6.5	6.3	80g	119	72	63.5
SR-052S	1/4		13.3	14.4	12.3	9.6	9.4	80g	116	72	63.5
SR-053		3/8	21.4	23.3	13.4	15.4	15.1	80g	129	72	63.5
SR-053S	3/8		26.5	28.9	16.9	19.1	18.7	80g	120	72	63.5
SR-054S	1/2		34	36	23	24	23.5	80g	122	72	63.5
SR-082		1/4	8.6	9.3	8.4	6.2	6.0	100g	145	98	63.5
SR-082S	1/4		13.7	14.6	12.0	9.9	9.7	100g	142	98	63.5
SR-083		3/8	21.8	23.7	15.1	15.7	15.4	100g	155	98	63.5
SR-083S	3/8		27.4	29.8	17.2	19.8	19.3	100g	146	98	63.5
SR-084		1/2	36.4	39.6	25.0	26.2	25.7	100g	163	98	63.5
SR-084S	1/2		38.9	42.4	26.4	28.1	27.5	100g	148	98	63.5
SR-085S	5/8		60	67	35	42	41	100g	146	98	63.5
SR-162		1/4	11	12	12.1	8	7	120g	168.5	121.5	63.5
SR-162S	1/4		15	14	14	10	9	120g	165.5	121.5	63.5
SR-163		3/8	22.2	24.2	14.4	16.1	15.7	120g	178.5	121.5	63.5
SR-163S	3/8		31.7	34.3	16.5	22.9	22.4	120g	169.5	121.5	63.5
SR-164		1/2	38.5	41.9	27.0	27.8	27.2	120g	186.5	121.5	63.5
SR-164S	1/2		49.6	54.0	31.6	35.8	35.1	120g	171.5	121.5	63.5
SR-165		5/8	50.5	54.9	36.2	36.4	35.7	120g	194.5	121.5	63.5
SR-165S	5/8		67.2	73.1	37.6	48.5	47.5	120g	169.5	121.5	63.5
SR-166		3/4	60	62	42	42	40	120g	200.5	121.5	63.5
SR-167S	7/8		70.6	76.8	58.0	51.0	49.5	120g	181.5	121.5	63.5
SR-302		1/4	13	15	15	11	10	180g	232	185	63.5
SR-303		3/8	23	26	16	18	17	180g	242	185	63.5
SR-303S	3/8		33	37	19	25	25	180g	233	185	76
SR-304		1/2	43.6	47.5	30.2	31.5	30.8	180g	250	185	76
SR-304S	1/2		54.3	59.1	38.0	39.2	38.4	180g	235	185	76
SR-305		5/8	55.6	60.5	39.7	40.1	39.3	180g	258	185	76
SR-305S	5/8		74.0	80.5	46.8	53.4	52.3	180g	233	185	76
SR-306		3/4	65	67	47	47	45	180g	264	185	76
SR-306S	3/4		79	85	51	58	57	180g	239	185	76
SR-307S	7/8		83.4	90.8	62.9	60.2	59.0	180g	245	185	76
SR-309S	1-1/8		109.1	118.7	73.1	78.7	77.1	180g	245	185	76
SR-413		3/8	38	42	24	30	30	240g	249	192	89
SR-414		1/2	48	52	35	36	35	240g	257	192	89
SR-414S	1/2		50	54	38	38	39	240g	242	192	89
SR-415		5/8	68.5	74.5	45.0	49.4	48.4	240g	265	192	89
SR-415S	5/8		78.3	85.2	63.6	56.5	55.3	240g	240	192	89
SR-416		3/4	72	74	54	54	52	240g	271	192	89
SR-416S	3/4		93	101	78	71	60	240g	246	192	89
SR-417S	7/8		106.5	115.9	75.9	76.9	75.3	240g	252	192	89
SR-419S	1-1/8		113.8	123.8	103.3	82.1	80.4	240g	252	192	89

SRK Liquid Line Filter Drier (Solid Core)

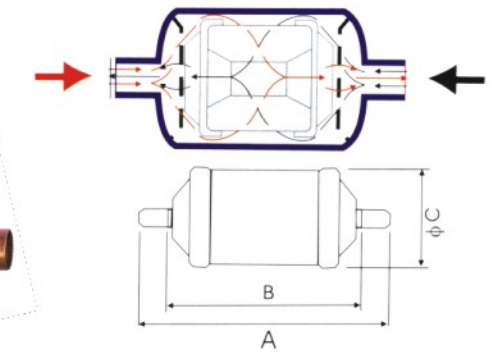


Type	Connections		Liquid Flow Capacity					Dimensions		
	ODF	SAE	R134a	R22/R410A	R407C	R404A/R507	R502	A	B	D
SRK-032		1/4	6.7	7.4	7.2	4.9	4.6	113	66	43
SRK-032S	1/4		8.1	8.7	8.5	6.0	5.6	110	66	43
SRK-033		3/8	9.5	10.2	10.2	7.0	6.7	123	66	43
SRK-033S	3/8		10.5	11.6	11.6	7.7	7.4	114	66	43
SRK-052		1/4	61.2	49.8	61.8	41.3	40.3	119	72	63.5
SRK-052S	1/4		9.7	10.4	10.2	7.9	7.6	116	72	63.5
SRK-053		3/8	11.5	12.3	12.1	9.7	9.4	129	72	63.5
SRK-053S	3/8		47	52	51	32	31	120	72	63.5
SRK-082		1/4	50	55	54	35	34	145	98	63.5
SRK-082S	1/4		70.5	76.7	76.7	50.9	49.8	142	98	63.5
SRK-083		3/8	12.7	12.5	12.1	10	9.8	155	98	63.5
SRK-083S	3/8		14.5	15.9	15	9.7	9.4	146	98	63.5
SRK-084		1/2	36	31	42	42	27	163	98	63.5
SRK-084S	1/2		50.6	55	54	35.4	34	148	98	63.5
SRK-085S	5/8		55.6	60.1	59.1	40.4	39	146	98	63.5
SRK-162		1/4	87.6	95	93.2	63.3	61.6	159	112	63.5
SRK-162S	1/4		16.5	17.9	17.6	11.9	11.6	156	112	63.5
SRK-163		3/8	42.8	37	48	48	33	169	112	63.5
SRK-163S	3/8		34.4	37.3	36.6	24.9	24.2	160	112	63.5
SRK-164		1/2	37.6	40.8	40.1	27.4	26.4	177	112	63.5
SRK-164S	1/2		60	60	59	40	39	162	112	63.5
SRK-165		5/8	67	75	74	54	53	185	112	63.5
SRK-165S	5/8		111.6	121.4	121	80.5	78.8	160	112	63.5
SRK-166		3/4	7.3	7.9	7.9	5.3	5.2	191	112	63.5
SRK-166S	3/4		12.8	13.9	13.9	9.2	9.0	166	112	63.5
SRK-167S	7/8		16.2	17.6	17.6	11.7	11.4	172	112	63.5
SRK-302		1/4	23.5	25.5	25.5	16.9	16.6	232	185	76
SRK-303		3/8	7.3	7.9	7.9	5.3	5.2	242	185	76
SRK-303S	3/8		12.8	13.9	13.9	9.2	9.0	233	185	76
SRK-304		1/2	19.2	20.9	20.3	13.9	13.6	250	185	76
SRK-304S	1/2		26.1	28.4	27.9	18.9	18.5	235	185	76
SRK-305		5/8	32.3	35.3	34.3	23.4	22.9	258	185	76
SRK-305S	5/8		36.5	39.5	39.5	26.2	25.7	233	185	76
SRK-306		3/4	21.4	23.3	23.0	15.4	15.1	264	185	76
SRK-306S	3/4		29.0	31.6	31.6	21.0	20.5	239	185	76
SRK-307S	7/8		42.8	46.5	46.5	30.9	30.2	245	185	76
SRK-309S	1-1/8		51.3	55.8	55.8	37	36.2	245	185	76
SRK-413		3/8	64.2	69.8	69.8	46.3	45.3	249	192	89
SRK-413S	3/8		64.2	69.8	69.8	46.3	45.3	240	192	89
SRK-414		1/2	49.6	54	54	35.8	35	257	192	89
SRK-414S	1/2		54.3	59.1	59.1	39.2	8.4	242	192	89
SRK-415		5/8	67.6	73.5	73.5	48.8	47.8	265	192	89
SRK-415S	5/8		72.7	79.1	79.1	52.5	51.4	240	192	89
SRK-416		3/4	98.4	107	106.2	71.1	69.6	271	192	89
SRK-416S	3/4		81.3	88.5	88.5	58.7	57.5	246	192	89
SRK-417S	7/8		81.3	88.5	88.5	58.7	57.5	252	192	89
SRK-419S	1-1/8		100.5	109.4	109.4	72.5	71	252	192	89

SRS Reversible Heat Pump Filter Driers

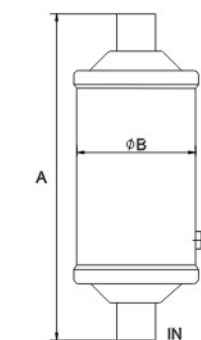
Features

- Internal check valves allow flow and filtration action in either directions.
- Capable of dissolving pollutants such as moisture and acid.
- Unrestricted installation location.
- Two kinds of connection methods: ODF or SAE.
- Corrosion resistant painting.
- Safety operating pressure: 4.14Mpa.



Part No.	Connection		Liquid Flow Capacity (kw)	A (inch)	B (inch)	Φ C (inch)	Water Capacity Water Drop (Liquid Temp 24°C/52°C)
	ODF	SAE					
SRS-083		3/8	22.5	5.94	4.06	2.64	7.2 (6.0)
SRS-083S	3/8		25.3	5.31	4.06		
SRS-084		1/2	32	6.19	4.06		
SRS-084S	1/2		33.4	5.38	4.06		
SRS-085		5/8	38.6	6.63	4.13	3.15	11.8 (9.6)
SRS-085S	5/8		40.4	5.63	4.13		
SRS-163		3/8	22.9	6.75	4.88		
SRS-163S	3/8		26	6.13	4.88		
SRS-164		1/2	38.3	7	4.88	3.15	11.8 (9.6)
SRS-164S	1/2		40.4	6.13	4.88		
SRS-165		5/8	41.5	7.44	4.88		
SRS-165S	5/8		43.3	6.44	4.88		
SRS-167S	7/8		44.3	7	4.88		

SSR Suction Line Filter Drier



Features

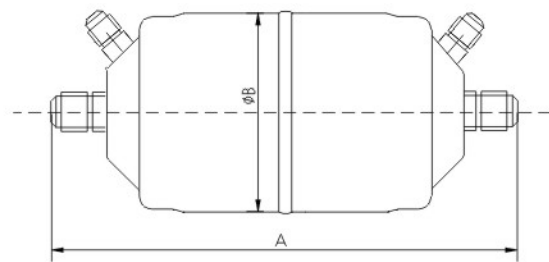
- These designs come with two access valves side to provide most effective protection for compressor filtrate precision: 35mm.
- Appropriate temperature: -45°C~+65°C.
- Maximum pressure: 3.1Mpa.

- Prevent dirt from entering compressor
- If inside jammed, the spilling valve will be opened automatically
- Apply to various alloy for welding
- Excellent corrosive resistance ability
- Pressure reduction automatically when full liquid flow through
- Full size of products series

Part No.	Connection Size (inch)	A (inch)	B (inch)	Φ C (inch)
SSR-283T	3/8	4.4	5.59	3.5
SSR-284T	1/2	4.43	5.69	3.5
SSR-285T	5/8	4.92	6.38	3.5
SSR-286T	3/4	6.18	7.75	3.5
SSR-287T	7/8	6.22	7.87	3.5
SSR-289T	1-1/8	6.6	8.25	3.5
SSR-2811T	1-3/8	8.84	10.81	3.5
SSR-2813T	1-5/8	8.5	10.5	3.5

Part No.	Connection Size (inch)	Filter Area (inch ²)	A (inch)	Φ C (inch)	Solder Socket Depth (inch)
SSR-285-T	5/8ODF	28	8.35	3	0.63
SSR-286-T	3/4ODF	28	8.78	3	0.71
SSR-287-T	7/8ODF	28	8.94	3	0.75
SSR-289-T	1-1/8ODF	28	9.53	3	0.91
SSR-489-T	1-1/8ODF	48	12.4	3	0.91
SSR-4811-T	1-3/8ODF	48	13.1	3	0.98
SSR-4813-T	1-5/8ODF	48	13.4	3	1.1

SRE Burn Out Filter Drier



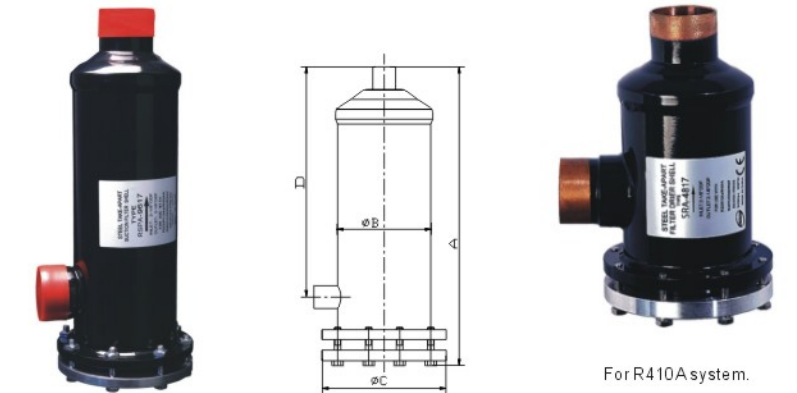
Burn out filter drier is used on the suction pipeline of refrigeration and air-conditioning. The core inside is 70% alumina and 30% molecule. It can absorb the acid and water in the system very efficiency and also can absorb injurant that burnt by the compressor. It can guarantee the whole refrigeration and air-conditioning system not be broken. The two sides of the pressure gauge can test the pressure difference of filter drier.

Type	Connection Size (inch)	A(mm) (±2)	ΦB(mm) (±0.5)	Refrigeration capacity (KW)		
				R407C	R134a	R404A
SRE-032	1/4	110	46	4	3	3
SRE-082	1/4	130	64	6	3.5	4
SRE-083	3/8	130	64	6	3.5	4.5
SRE-084	1/2	130	64	10	5.5	8
SRE-162	1/4	158	78	10.5	5	7.5
SRE-163	3/8	158	78	13	5.5	8
SRE-164	1/2	158	78	15	6	8.5
SRE-165	5/8	164	78	20	9.5	13
SRE-304	1/2	230	78	17	10	15
SRE-305	5/8	238	78	18	12.5	15
SRE-306	3/4	238	78	22	14	19
SRE-414	1/2	250	90	25	14.5	23
SRE-415	5/8	250	90	26.5	16	24.5
SRE-416	3/4	250	90	29.5	17.5	25

Replaceable Core Drier Filters

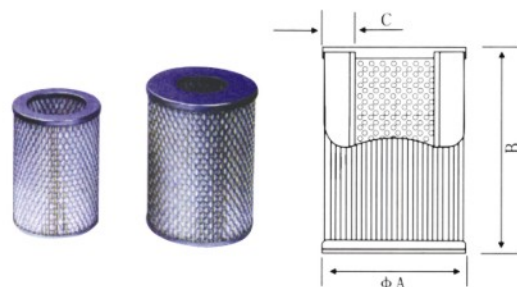
Features

- It's easy to replace the filter & the drier core.
- Safety operating pressure: T-for pipet use: 3.4Mpa.
- Very little pressure loss when full flow.
- Corrosion resistance of surface.
- Various sizes of joints.
- Simplified internal parts make the installation convenient.



Part No.	Connection ODF (inch)	Refrigeration Capacity (Low Temp/Commercial Use)			A (inch)	B (inch)	C (inch)	D (inch)	Quantity of Cores
		R134a	R22	R404					
RSPA-485T	5/8	28.2	35.2	28.2	236	114	150	155	1
RSPA-487T	7/8	35.2	45.8	35.2	238	114	150	157	1
RSPA-489T	1-1/8	35.2	52.8	35.2	240	114	150	159	1
RSPA-4811T	1-3/8	45.8	70.4	45.8	243	114	150	162	1
RSPA-967T	7/8	70.4	88.0	52.8	383	114	150	301	2
RSPA-969T	1-1/8	88.0	105.6	70.4	385	114	150	303	2
RSPA-9611T	1-3/8	105.6	123.2	88.0	388	114	150	306	2
RSPA-9613T	1-5/8	123.2	140.8	105.6	390	114	150	308	2
RSPA-1449T	1-1/8	105.6	140.8	105.6	521	114	150	438	3
RSPA-14411T	1-3/8	140.8	176.0	123.2	524	114	150	441	3
RSPA-14413T	1-5/8	158.4	193.6	140.8	526	114	150	443	3
RSPA-14417T	2-1/8	176.0	211.2	158.4	532	114	150	449	3
RSPA-19211T	1-3/8	176.0	246.4	158.4	675	114	150	595	4
RSPA-19213T	1-5/8	211.2	281.6	193.6	677	114	150	597	4
RSPA-19217T	2-1/8	228.8	299.2	211.2	683	114	150	603	4
RSPA-30013T	1-5/8	264.0	352.0	228.8	627	152	200	500	3
RSPA-30017T	2-1/8	264.0	352.0	228.8	632	152	200	505	3
RSPA-30021T	2-5/8	281.0	372.0	245.8	638	152	200	511	3
RSPA-40017T	2-1/8	352.0	457.6	316.8	810	152	200	683	4

Replaceable Liquid Line Filter Blocks and Suction Line Filter Core



Suction line Core

Part No.	A (inch)	B (inch)	C (inch)
SX48	3.74	5.51	0.79
SX100	4.69	6.54	1.10



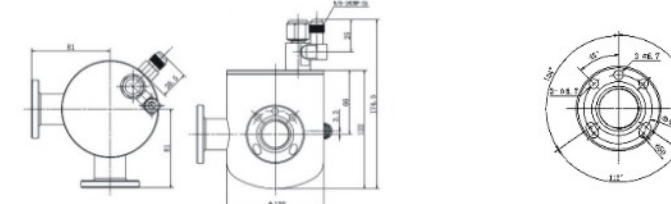
Liquid line Block

Part No.	D1 (inch)	D2 (inch)	H (inch)
DR48	1.85	3.78	5.51
HR48	1.85	3.78	5.51
HR100	2.09	4.80	6.50

Mechanical Oil Level Regulators

Part No.	Oil Level in Sight Glass	Equalization Connection	Suitable With R717 & HP	Differential Pressure	Max. Working Pressure	Connection Size
SR-OLC-2-5	1/4 to 5/8 Adjustable	Yes	No	0.35-6.2Bar	31Bar	7 Bolts
SR-OLC-2-5C	1/4 to 5/8 Adjustable	Yes with sight glass	No	0.35-6.2Bar	31Bar	7 Bolts

The part no. with "E" has 3/8" SAE equalization connection.



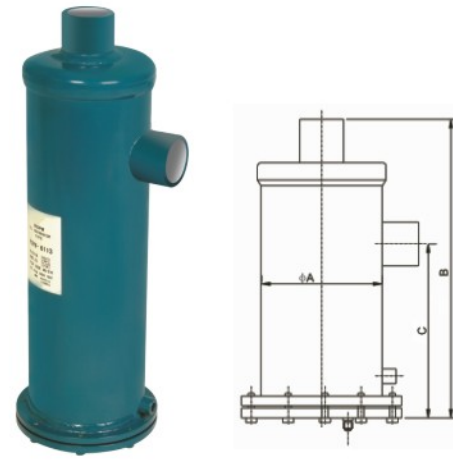
Refrigerant Oil Separators

Features

- High sensitivity float valve.
- Adaptive to HFC, CFC and HCFC refrigerant.
- The oil return tube is 1/4" or 3/8" SAE flare connectors.
- Corrosion resistance painting.
- Max working pressure; 3.5Mpa



Part No.	Connection ODF (inch)	Valve Body Size (inch)			Refrigeration Capacity Under the Appointed Temperature (ton)							
		ΦA	B	C	R12		R22/R407C		R502		R134a	
					-40°F	+40°F	-40°F	+40°F	-40°F	+40°F	-40°F	+40°F
RSPW-55824	1/2	4	10.25	1.89	1	1.5	1.5	2	1.5	2	1	1.75
RSPW-55855	5/8	4	14.25	1.89	3	4	4.5	5.5	5.5	5.75	3.25	4.5
RSPW-55877	7/8	4	17.75	1.89	4.5	5.5	7	8	7.5	8.5	4.75	6.375
RSPW-55889	1-1/8	4	21	1.89	6	7.5	9	10.5	9.5	11.5	6.375	8.5
RSPW-559011	1-3/8	4	21.25	1.89	7.5	10	11.5	13.5	12	14.5	8	11.5
RSPW-569011	1-3/8	6	15.63	2.76	9	9	13	14	15	20	9.5	13.75
RSPW-569213	1-5/8	6	18.63	2.76	11	11	16	18	20	24	11.75	16
RSPW-569417	2-1/8	6	19.18	2.76	17	17	25	30	30	35	18	25.125



Part No.	Connections ODF (inch)	A (inch)	B (inch)	C (inch)
RSPW-5301	1/2	4.00	10.80	1.89
RSPW-5302	2/8	4.00	14.70	1.89
RSPW-5303	7/8	4.00	18.03	1.89
RSPW-5304	1-1/8	4.00	19.45	1.89
RSPW-5305	1-3/8	4.00	20.63	1.89
RSPW-6303	1-3/8	6.00	15.45	2.76
RSPW-6304	1-5/8	6.00	18.69	2.76
RSPW-6305	2-1/8	6.00	21.25	2.76

Part No.	Connections ODF (inch)	A (inch)	B (inch)	C (inch)
RSPW-6111	1-3/8	6	16.60	10.28
RSPW-6113	1-5/8	6	19.00	12.64
RSPW-6117	2-1/8	6	21.40	14.28

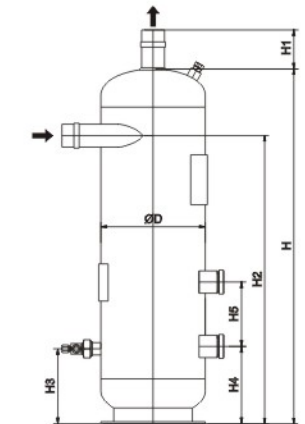
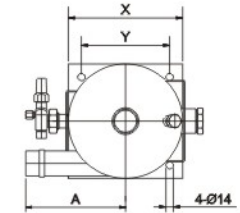
SRW Oil Storage Separator

Introduction

SRW series oil storage separator is used on parallel screw compressor. It can achieve very good oil separation purpose in the lowest pressure drop. It can storage the separated oil in the bottom of the vessel. And will send the oil to each compressor crankcase by the electronic oil level regulator relyed with pressure differential.

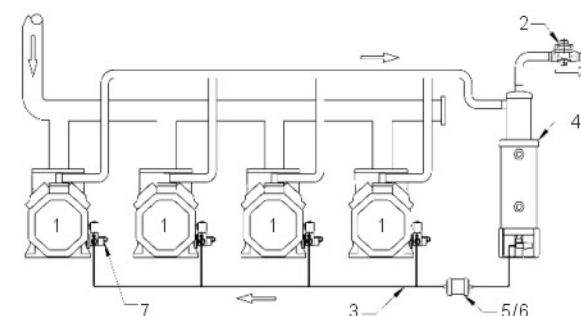
Feature

- ◆ With oil receiver inside, do not need to add a separated oil separator. It saved a lot of time and material, also reduced the leaking problem.
- ◆ It can help to reduce the vibration and noise that caused by compressor.
- ◆ It needs to add the electronic oil level regulator to replace the valves.
- ◆ Max. working pressure: 3.0MPa.
- ◆ Good efficiency oil separation.
- ◆ Compatible with all CFC, HCFC and HFC refrigerants and oils.
- ◆ Working temperature range: -40°C ~ 120°C



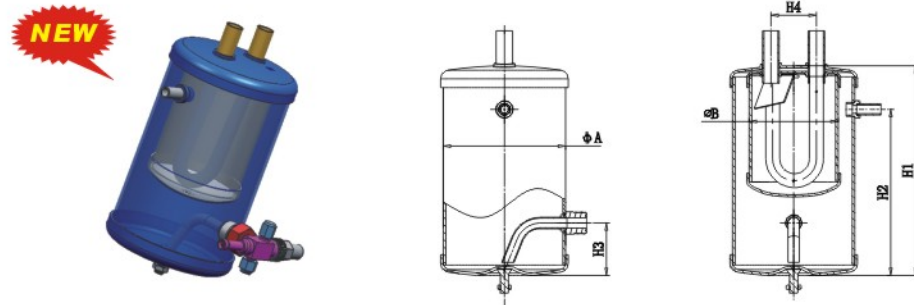
Type	Joint Size (Inch)	ΦD (mm)	H (mm)	H1 (mm)	H2 (mm)	H3 (mm)	H4 (mm)	H5 (mm)	A (mm)	X (mm)	Y (mm)	Oil Outlet (SAE)	V1 Oil Volume (l)	V2 Oil Volume (l)	Total Volume (l)
SRW-0813L	1-5/8"	219	744	82	604	157	162	135	191	219	165	3/8"	4.4	9.0	24
SRW-1017L	2-1/8"	273	850	87	691	169	189	150	223	273	227	1/2"	8.1	16.0	42
SRW-1221L	2-5/8"	325	950	95	750	184	204	150	258	325	280	1/2"	12.0	23.0	66
SRW-1425L	3-1/8"	377	1034	110	823	215	234	150	280	377	320	5/8"	18.5	34.0	97
SRW-1629L	3-5/8"	412	1135	100	903	209	229	150	318	412	336	5/8"	22.0	41.0	131

Electronic Oil Level Regulator



1. Compressor
2. Plunger Check Valve
3. Oil Return Pipe Line
4. Oil Storage Separator
- 5/6. Oil Filter / Filter Drier
7. Electronic Oil Level Regulator

SRH Refrigeration Heat Exchanger Accumulators & Liquid Receivers



Type	High Pressure Conn.		Low Pressure Conn.		H1		H2		H3		H4		φA		φB	
	Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm
SRH-304	3/8	9.7	1/2	12.9	9.6	245	7.3	185	2.3	60	2.0	52	4.0	102	3.0	76
SRH-305	3/8	9.7	5/8	16.0	9.4	240	7.5	190	2.3	60	2.0	52	5.5	140	4.0	102
SRH-307	3/8	9.7	7/8	22.7	13.3	340	10.6	270	3.14	80	2.8	70	6.2	159	5.0	127
SRH-411	1/2	12.9	1-1/8	28.8	13.6	346	9.8	248	3.0	76	3.1	80	8.6	219	6.5	165
SRH-513	5/8	16.0	1-3/8	35.0	16.0	406	12.1	308	3.0	76	3.1	80	8.6	219	6.5	165
SRH-515	5/8	16.0	1-5/8	42.0	17.5	445	14.8	375	3.0	76	3.1	80	8.6	219	6.5	165
SRH-721	7/8	22.4	2-1/8	54.0	19.3	490	14.5	370	4.3	120	4.1	105	10.7	273	8.6	219

SRX Discharge Muffler

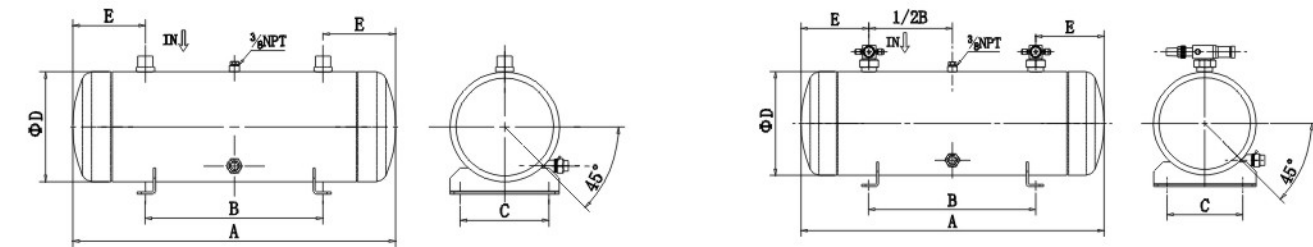
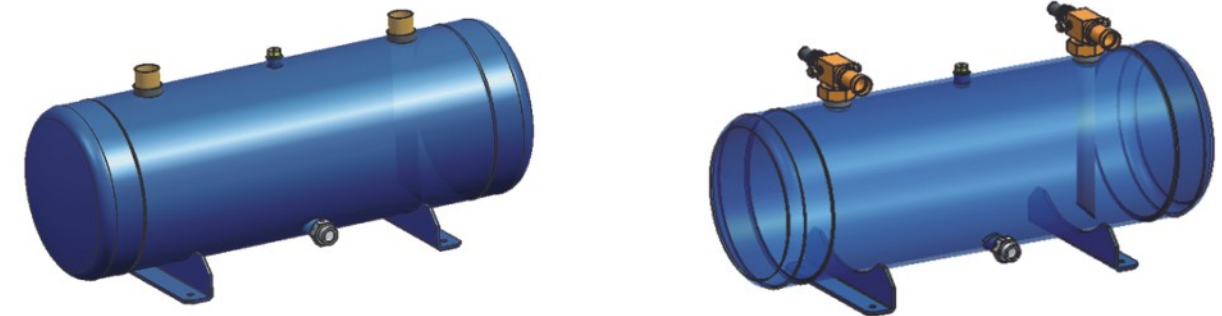


Mufflers are designed to eliminate pulsation in compressor discharge line running to remote condensers. Mufflers have internal baffles designed for minimum pressure drop. These baffles change the velocity of the discharge gases passing thru the muffler. This results in a dampening effect on high frequency sound waves in the gases on high speed compressors. This also cuts out the pulsating waves in low speed compressors. Mufflers are sized to the discharge line of the compressor.

- ◆ Working temperature range: -40°C ~ 120°C
- ◆ Robust design
- ◆ Negligible loss in system efficiency.
- ◆ Designed for maximum flow and minimal pressure drop.
- ◆ Special baffle design.
- ◆ Oil drain passage.

Type	ODF	A (mm)	B (mm)	D (mm)	MPa
SRX-2506	3/8"	188	139	63.5	4.2
SRX-2508	1/2"	193	145	63.5	4.2
SRX-2510	5/8"	191	139	63.5	4.2
SRX-2512	3/4"	195	145	63.5	4.2
SRX-3010	5/8"	262	210	76	4.2
SRX-3014	7/8"	292	210	76	4.2
SRX-3018	1-1/8"	330	260	76	3.2
SRX-4022	1-3/8"	368	280	102	3.2
SRX-4026	1-5/8"	380	280	102	3.2
SRX-6234	2-1/8"	570	425	159	3.2
SRX-6242	2-5/8"	575	425	159	3.2
SRX-6250	3-1/8"	580	425	159	3.2

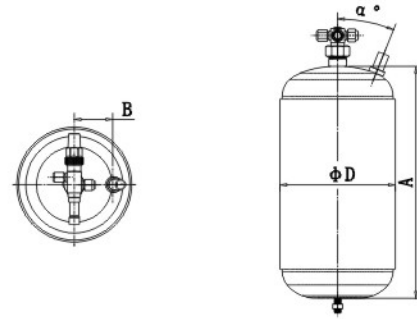
Horizontal receiver



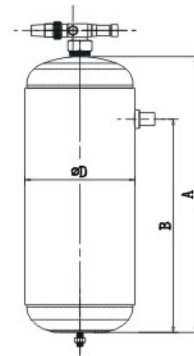
Type	Inlet and outlet	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	Volume
30L-V7	7/8	900	600	190	219	150	30L
30L-V9	1-1/8	900	600	190	219	150	30L
30L	1-1/8	900	600	190	219	150	30L
35L-V9	1-1/8	1000	700	190	219	150	35L
35L	1-1/8	1000	700	190	219	150	35L
40L-V9	1-1/8	800	440	220	273	180	40L
40L-V11	1-3/8	800	440	220	273	180	40L
40L	1-3/8	800	440	220	273	180	40L
45L-V11	1-3/8	900	540	220	273	180	45L
45L	1-3/8	900	540	220	273	180	45L
50L-V11	1-3/8	1000	640	220	273	180	50L
50L-V13	1-5/8	1000	640	220	273	180	50L
50L	1-5/8	1000	640	220	273	180	50L
55L-V13	1-5/8	1100	740	220	273	180	55L
55L	1-5/8	1100	740	220	273	180	55L
60L-V11	1-3/8	1200	840	220	273	180	60L
60L-V13	1-5/8	1200	840	220	273	180	60L
60L-V17	2-1/8	1200	840	220	273	180	60L
60L	2-1/8	1200	840	220	273	180	60L

1. Part number with "V" means the inlet/outlet tube with valve.
2. Connection size and volume can be made according to customers' requirement.

Receiver



Type.	ODF (inch)	A(mm)	B(mm)	D(mm)	α°	Volume
RSPC-133	3/8	170	35	102	18.2°	1.1L
RSPC-166	3/8	192	40	114	22.3°	1.6L
RSPC-233	3/8	185	42	127	20°	2L
RSPC-333	3/8	293	42	127	20°	3L
RSPC-433	3/8	238	55	165	21°	4L
RSPC-644	1/2	332	55	165	21°	6L
RSPC-844	1/2	432	55	165	21°	8L
RSPC-855	5/8	432	55	165	21°	8L
RSPC-1055	5/8	322	75	219	17°	10.0L
RSPC-1255	5/8	380	75	219	17°	12L
RSPC-1455	5/8	435	75	219	17°	14L
RSPC-1466	3/4	435	75	219	17°	14L
RSPC-1677	7/8	492	75	219	17°	16L
RSPC-1877	7/8	549	75	219	17°	18L
RSPC-2077	7/8	606	75	219	17°	20L



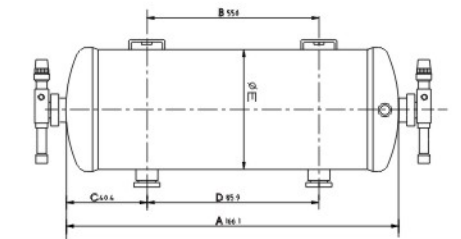
Type.	ODF (inch)	A(mm)	B(mm)	D(mm)	Volume
RSPC-101J	3/8	200	132	89	1.0L
RSPC-102J	3/8	258	181	127	2.9L
RSPC-103J	3/8	290	203	127	3.2L
RSPC-104J	1/2	348	257	165	6.2L
RSPC-105J	5/8	414	320	165	7.5L
RSPC-106J	3/4	600	495	165	11.2L
RSPC-107J	7/8	700	585	165	13.2L

Oil Filter Drier

Part No.	Connections ODF (inch)	Length (inch)	Diameter (inch)
RSP-053	3/8	4.65	2.48
RSP-054	1/2	4.65	2.48
RSP-055	5/8	4.65	2.48



Oil Reservoir



Features

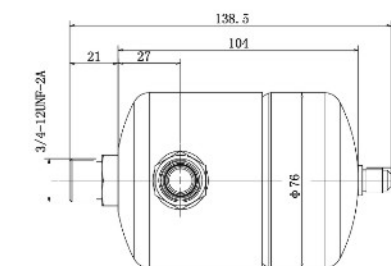
- Be the same with parallel connection machine.
- Observed oil position convenience.
- Max Working Pressure 3.1Mpa.

Part No.	Inlet and outlet size	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	Oil storage volume
RSPOC-6	3/8	338	152	93	152	165	6
RSPOC-8	3/8	440	220	110	220	165	8
RSPOC-10	3/8	549	285	132	285	165	10
RSPOC-12	3/8	640	360	140	360	165	12
RSPOC-14	1/2	739	350	200	350	165	14
RSPOC-19	1/2	580	300	140	300	219	19
RSPOC-23	5/8	700	420	140	420	219	23

RSW Automotive Oil Separator



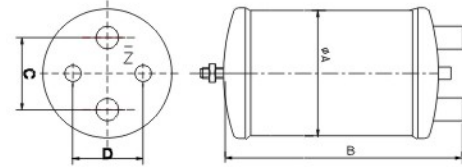
RSPW-4808



Introduction

During the compressor operating, the outlet line always has a lot of refrigeration oil. In order to ensure the compressor not lose too much refrigeration oil, and prevent refrigeration oil influence heating function for the condenser and cooling function of evaporator. So, between compressor and condenser, it must install one oil separator. It can separate the refrigeration oil and medium. And let the oil go back to compressor automatic and achieve the best cooling result.

Refrigerant Heat Exchanger Suction Accumulators

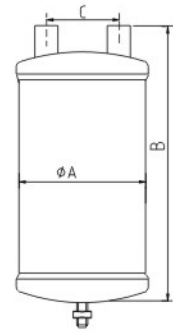


Features

- The weld crater of gas suction line ranges from 1/2" to 2-1/8".
- The tube line of the heat exchanger ranges from 3/8" to 1-1/8".
- Corrosion resistance painting.
- Max operating pressure: 3.1Mpa.
- Saving refrigerant.

Part No.	Suction line ODF(inch)	Liquid Line ODF(inch)	Normal Capacity(KW)			Size(inch)				
			R-134a	R-22	R404-R507	A	B	C	D	E
RSPR-2404	1/2	3/8	3	2.7	2.8	4	8.47	1.38	2.08	2.37
RSPR-2405	5/8	3/8	4.4	7	4.2	4	10.83	1.83	2.12	2.37
RSPR-2406	3/4	1/2	6.5	6	6.1	5.5	10.24	1.58	3.14	2.72
RSPR-2407	7/8	1/2	8.5	7.8	8	5.5	12.6	1.58	3.19	2.72
RSPR-2411	1-1/8	5/8	13.5	12	12.5	6.5	15.75	1.96	3.11	3.74
RSPR-2413	1-3/8	3/4	18	16.5	17	6.5	20.87	2.16	3.31	3.15
RSPR-2415	1-5/8	7/8	23	21	22	6.5	22.84	2.36	3.23	3.19

Suction Line Accumulators



Features

- Adaptive to CFC, HFC, HCFC, HFC refrigerants.
- Solid copper connection.
- Corrosion resistant painting.
- Max operating pressure: 3.1Mpa.

Part No.	Connection ODF (inch)	A(inch)	B(inch)	C(inch)	Liquid Flow Capacity(kw)		
					R-12	R-22	R-502
RSPQ-204	1/2	4	8.38	2	3.5	3.3	3.4
RSPQ-205	5/8	4	10.63	2	4.4	4	4.2
RSPQ-206	3/4	5.5	10.25	2.75	6.1	6.8	6.2
RSPQ-207	7/8	5.5	12.5	2.75	9.8	9	9.3
RSPQ-208	1-1/8	6.5	15.63	3.15	14.2	13.3	13.7
RSPQ-209	1-3/8	6.5	20.63	3.15	21.8	20.5	21.2
RSPQ-210	1-5/8	6.5	22.63	3.15	23.8	22.5	23.1
RSPQ-596	3/4	5	8.5	2.75	4	6	5.5
RSPQ-597	7/8	5	8.5	2.75	7.3	6	5.5
RSPQ-5126	3/4	5	11.61	2.75	4	8	7.5
RSPQ-5127	7/8	5	11.77	2.75	7.3	8	7.5
RSPQ-5137	7/8	5	13.39	2.75	7.3	8.5	8
RSPQ-5139	1-1/8	5	13.39	2.75	11.8	8.5	8
RSPQ-5179	1-1/8	5	16.93	2.75	11.8	12	10
RSPQ-51711	1-3/8	5	16.93	2.75	11.8	12	10
RSPQ-61411	1-3/8	6	13.74	2.94	18.8	15	12
RSPQ-62013	1-5/8	6	20.28	2.94	20.5	20	16

SECTION H

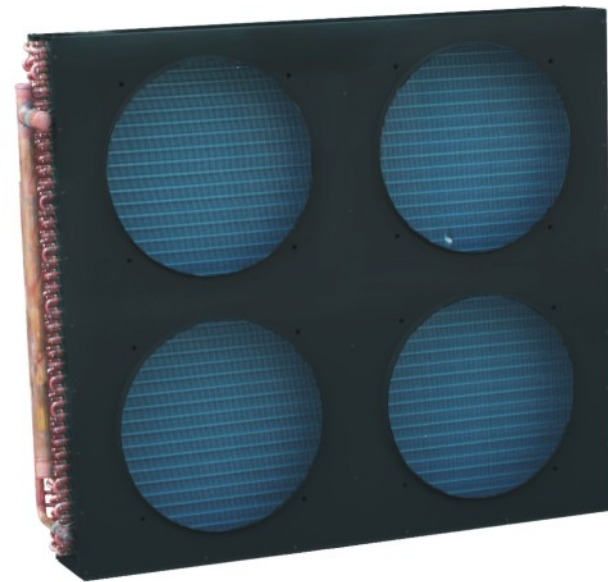
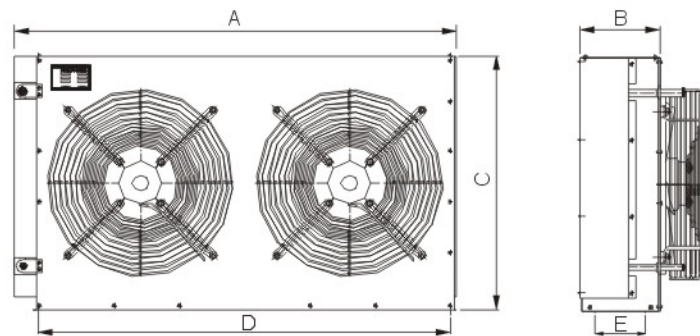
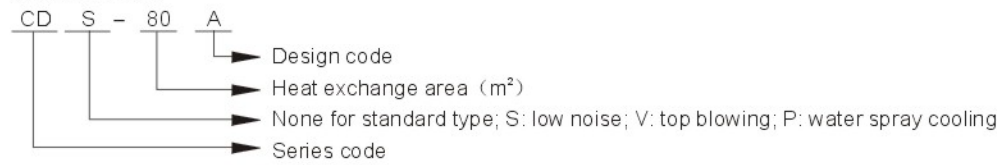


- ▶ Condenser
- ▶ Evaporators
- ▶ Heat Exchangers
- ▶ Condensing Units
- ▶ Flake Ice Machine

SINO-RESOURCE GROUP
 FL9, Wenhua Mansion No. 488 Zhenming Rd. Ningbo, China
 Website: www.favorcool.com
 Tel: +86 574 87194796, 87293453
 Fax: +86 574 87307052, 87317736
 E-mail: favorcool@sino-resource.com

CD Series Air Cooled Condensers

Nomenclature



1. CD standard type

Model	Nominal Capacity (kw)	Area of Cooling (m ²)	Power (w)	Fan Motor			Connection Pipe(Φmm)		Outline Size (mm)			Installation Size (mm)	
				Diameter (Φmm)	Air Flow (m ³ /h)	Voltage (v)	Inlet	Outlet	A	B	C	D	E1
CD-2	0.6	2	1×35	200	410	220	φ 10	φ 10	320X100X230	270	65		
CD-3.4	1.0	3.4	1×35	200	410	220	φ 12	φ 12	320X100X230	270	65		
CD-4.4	1.3	4.4	1×60	250	750	220	φ 12	φ 12	370X100X280	325	65		
CD-5.4	1.6	5.4	1×75	300	1350	220	φ 12	φ 12	440X100X330	392	65		
CD-7.0	2.0	7.0	1×90	300	1350	220	φ 12	φ 12	440X135X330	390	90		
CD-8.4	2.3	8.4	1×150	350	3100	380	φ 16	φ 12	500X130X430	455	95		
CD-11.5	3.5	11.5	1×150	350	3100	380	φ 16	φ 12	480X180X430	430	145		
CD-15	4.4	15	1×150	350	3100	380	φ 16	φ 12	550X180X480	490	145		
CD-18	5.2	18	1×180	400	4500	380	φ 19	φ 16	590X180X530	530	140		
CD-22	6.4	22	1×180	400	4500	380	φ 19	φ 16	590X180X530	530	140		
CD-25	8.1	25	1×180	400	4500	380	φ 19	φ 16	750X180X680	660	150		
CD-21	6.1	21	2×90	300	2700	220	φ 16	φ 12	840X180X430	790	140		
CD-28	8.2	28	2×150	350	6200	380	φ 19	φ 16	900X180X430	840	145		
CD-33	11.2	33	2×150	350	6200	380	φ 19	φ 16	900X200X480	840	130		
CD-36	12.6	36	2×180	400	9000	380	φ 19	φ 16	1015X180X580	950	150		
CD-43	14.8	43	2×180	400	9000	380	φ 22	φ 16	1015X180X680	950	150		
CD-48	17.5	48	2×180	400	9000	380	φ 22	φ 16	1250X200X630	1172	120		
CD-55	19.2	55	2×180	400	9000	380	φ 22	φ 19	1250X200X730	1172	140		
CD-70	20.5	70	4×150	350	12400	380	φ 28	φ 19	1250X200X830	1172	120		
CD-80	24.4	80	4×150	350	12400	380	φ 28	φ 19	1250X200X830	1172	120		
CD-100	29.6	100	4×180	400	18000	380	φ 28	φ 22	1250X200X1130	1172	120		
CD-130	38.2	130	4×180	400	18000	380	φ 28	φ 22	1250X200X1380	1172	120		
CD-150	47.2	150	4×180	400	18000	380	φ 28	φ 22	1250X250X1330	1240	200		
CD-180	54	180	4×180	400	18000	380	φ 35	φ 22	1250X270X1330	1240	200		

CDV Type

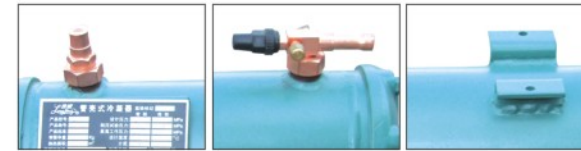
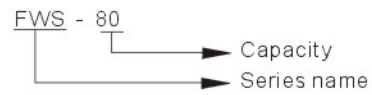
Model	Nominal Capacity (kw)	Area of Cooling (m ²)	Input (w)	Fan Motor			Connection Pipe(Φmm)		Outline Size (mm)			Installation Size (mm)	
				Dia (mm)	Voltage (V)	Air Flow (m ³ /h)	Inlet	Outlet	A	B	C	a	b
CDV-70A	22.4	70	2×450	500	380	13000	2×φ 22	2×φ 16	1455	976	952	1330	896
CDV-105A	33.7	105	2×600	550	380	17400	2×φ 22	2×φ 16	1455	976	952	1330	896
CDV-140A	44.9	140	2×600	550	380	17400	2×φ 22	2×φ 16	1455	976	952	1330	896
CDV-175A	55.4	175	2×800	630	380	26000	2×φ 28	2×φ 22	1755	1050	1050	1630	970
CDV-195A	62.1	195	2×800	630	380	26000	2×φ 28	2×φ 22	1755	1050	1050	1630	970
CDV-260A	83.2	260	3×800	630	380	39000	2×φ 28	2×φ 22	2555	1050	1050	2430	970
CDV-295A	93.4	295	3×800	630	380	39000	2×φ 28	2×φ 22	2555	1050	1050	2430	970
CDV-365A	116.5	365	3×800	630	380	39000	2×φ 28	2×φ 22	2555	1050	1050	2430	970
CDV-405A	130.0	405	4×800	630	380	52000	2×φ 35	2×φ 28	3155	1112	1144	3030	1032
CDV-505A	162.0	505	4×800	630	380	52000	2×φ 35	2×φ 28	3155	1112	1144	3030	1032

Product description

The CD series Products are air cooled heat exchangers for refrigeration equipment. They are divided into 4 groups: CD, CDP, CDS and CDV. Besides CDV and CDP type, which are top discharge, the other two types are side discharge. The products have been tested at 2.8MPa for the air leakage, and the system is disposed of pollution. R22, R134a, R404A, & R407C can run on these systems.

FWSWS Series Water Cooled Condensers

Nomenclature



1. Product description

The series include two groups of products, the FW and WS. The products are water cooled shell and pipe heat exchangers for refrigeration system. Our company is a special manufacturer for those products with National issued pressure manufacturing license. All are produced according to the National standard under the supervision of the national quality bureau. All the products have been tested on 2.8MPa air pressure for the shell, 1.0MPa water pressure for the pipe.

1. FWS Type Condenser With Receiver

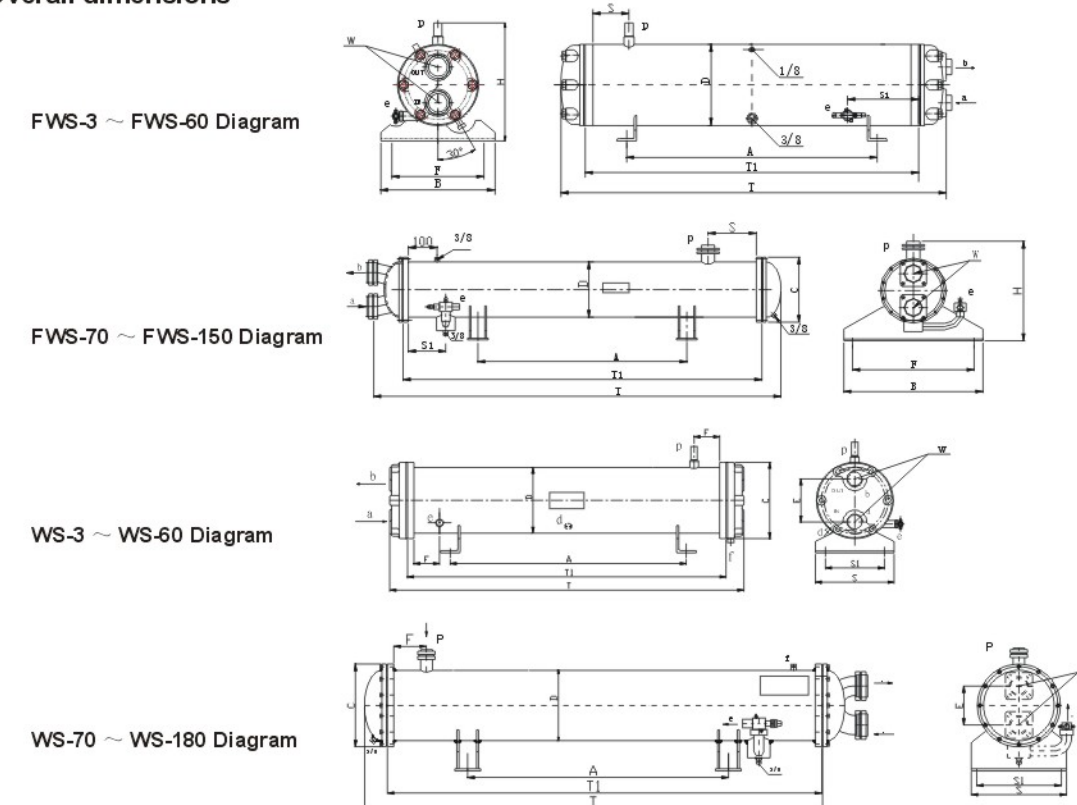
Model	Capacity (kw)	Water Flow (m³/h)	Overall size (mm)					Install size (mm)				Connect pipe(mm)			Path
			D	T	T1	B	H	F	A	S	S1	P	E	W	
FWS-3	8.16	1.8	159	740	650	340	265	290	510	90	160	12	12	1-1/4"	2
FWS-4	11.56	2.5	159	740	650	340	265	290	510	90	160	16	12	1-1/4"	2
FWS-5	14.28	3.1	219	930	840	370	324	320	600	90	160	16	16	1-1/4"	2
FWS-8	20.4	4.5	219	1086	990	370	324	320	710	90	160	22	16	1-1/2"	2
FWS-10	23.8	5.2	219	1256	1160	370	324	320	850	90	240	28	22	1-1/2"	2
FWS-15	38	8.2	273	1290	1200	440	378	390	850	90	260	28	22	2"	2
FWS-20	51.4	11	273	1290	1200	440	378	390	850	90	260	28	28	2"	2
FWS-25	62.5	13.5	273	1290	1200	440	378	390	850	90	260	28	28	2"	2
FWS-30	76	16.5	273	1290	1200	440	378	390	850	90	260	35	28	2-1/2"	2
FWS-35	88	19	273	1650	1560	440	378	390	1000	90	260	35	28	2-1/2"	2
FWS-40	100	22	273	1650	1560	440	378	390	1000	90	260	35	28	2-1/2"	2
FWS-45	114	25	273	1650	1560	440	378	390	1000	90	260	42	35	2-1/2"	2
FWS-50	128	27.5	273	2090	2000	440	378	390	1200	90	260	42	35	2-1/2"	2
FWS-55	140	30	273	2090	2000	440	378	390	1200	90	260	42	35	2-1/2"	2
FWS-60	155	33	273	2090	2000	440	378	390	1200	90	260	54	42	2-1/2"	2
FWS-70	178	38	325	2300	2000	500	520	450	1200	150	260	54	42	3"	2
FWS-80	204	44	325	2300	2000	500	520	450	1200	150	260	54	42	3"	2
FWS-90	238	47	325	2300	2000	500	520	450	1200	150	260	54	42	4"	2
FWS-100	256	55	325	2300	2000	500	520	450	1200	150	260	66	42	4"	2
FWS-110	285	61	351	2300	2000	600	550	550	1500	150	300	66	42	4"	2
FWS-120	310	66	351	2600	2300	600	550	550	1500	200	300	66	42	4"	2
FWS-130	336	72	351	2600	2300	600	550	550	1500	200	300	66	42	5"	2
FWS-140	362	80	377	2900	2500	650	580	600	1800	200	300	79	42	5"	2
FWS-150	392	85	377	2900	2500	650	580	600	1800	200	300	79	42	5"	2
FWS-170	440	95	377	3200	2800	650	580	600	1800	200	300	108	54	5"	2
FWS-180	470	100	377	3200	2800	650	580	600	1800	200	300	108	54	6"	2
FWS-200	520	110	426	3200	2800	750	580	680	1800	200	300	108	54	6"	2
FWS-220	570	120	426	3200	2800	750	580	680	1800	200	300	108	54	6"	2
FWS-240	620	130	530	3200	2800	800	580	720	1800	200	300	108	54	6"	2
FWS-270	700	150	530	3350	3000	800	580	720	1800	200	300	108	54	6"	2
FWS-300	780	168	530	3350	3000	800	580	720	1800	200	300	108	54	6"	2

Above FWS series Nominal Capacity: Inlet temperature lower than 32°C, Temperature difference is 5°C

2. FWS Type Condenser Without Receiver

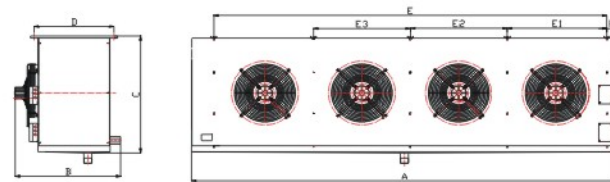
Model	Capacity (kw)	Water Flow (m³/h)	Overall size (mm)										Connect pipe(mm)			Path
			D	T1	T	A	F	C	E	S	S1	P	E	W	PS	
WS-3	10.5	2.2	127	650	750	500	65	155	90	180	130	16	12	1"	4	
WS-5	17.5	3.8	140	650	750	500	65	155	90	180	130	16	12	1"	4	
WS-6	21.0	4.5	168	810	900	600	65	195	110	200	150	16	12	1-1/2"	4	
WS-8	28.0	6.0	168	810	900	600	65	195	110	200	150	22	16	1-1/2"	4	
WS-10	35.0	7.5	168	960	1040	600	65	195	110	200	150	22	16	1-1/2"	4	
WS-12	42.0	9.0	219	960	1040	600	65	240	120	250	200	22	16	2"	4	
WS-15	52.5	11	219	1200	1300	800	65	240	120	250	200	28	22	2"	4	
WS-20	70.0	15	219	1200	1300	800	65	240	120	250	200	28	22	2"	4	
WS-25	87.5	19	219	1500	1590	1000	65	240	120	250	200	28	22	2"	4	
WS-30	105.0	23	219	1500	1590	1000	75	240	120	250	200	28	22	2"	4	
WS-35	122.5	26	273	1778	1868	1200	75	300	130	360	320	28	22	2"	2	
WS-40	140.0	30	273	1778	1868	1200	75	300	130	360	320	35	28	2-1/2"	2	
WS-45	157.5	34	273	2000	2136	1500	75	300	130	360	320	35	28	2-1/2"	2	
WS-50	175.0	38	273	2000	2136	1500	75	300	130	360	320	35	28	2-1/2"	2	
WS-55	192.5	42	273	2000	2136	1500	75	300	130	360	320	35	28	2-1/2"	2	
WS-60	210.0	45	273	2000	2136	1500	75	300	130	360	320	35	28	3"	2	
WS-70	245.0	53	325	2000	2170	1200	150	380	200	440	380	54	35	3"	2	
WS-80	280.0	60	325	2000	2188	1200	150	380	200	440	380	54	35	4"	2	
WS-90	315.0	68	325	2000	2330	1200	150	380	200	440	380	54	35	4"	2	
WS-100	350.0	75	351	2000	2330	1200	150	440	200	480	420	80	54	4"	2	
WS-110	385.0	83	351	2000	2330	1200	150	440	200	480	420	80	54	4"	2	
WS-125	437.5	95	377	2000	2350	1500	150	480	200	500	450	108	54	5"	2	
WS-140	490.0	106	426	2032	2410	1500	150	500	250	500	450	108	54	5"	2	
WS-160	560.0	121	426	2600	2980	1600	150	500	250	500	450	108	67	5"	2	
WS-180	630.0	136	426	2600	2980	1600	150	500	250	500	450	108	67	5"	2	

Overall dimensions



D series air coolers

Nomenclature



Product description

The D series air coolers are applicable to various cold storage houses. They are divided into different groups by temperature. The DL group for 0°C, DD for -18°C and DJ for that below -25°C. All the products are anti-rusty, corrosion proof, and high reliability. Long air duct is capable to be fixed as customers' request. Double layer drain plates keep the water from frozen.

DD Air Cooler (fin space 6.0mm)

Model	Capacity DT=7K t. =-25°C		Area m ²	Pipe volume dm ³ h	Air flow m ³ /h	Range M	Fan motor Input(W) W	Defrosting heater Input(W)	
	R22	R404A						For coil	For drain plate
DD1.4/311A	1.4	1.5	5.5	1.4	1500	9	90	1.0	0.5
DD2.3/311A	2.3	2.4	8.5	2.4	1500	9	90	1.5	0.5
DD3/312A	3	3.2	11	3.1	3000	9	180	1.8	0.9
DD4.5/312A	4.5	4.7	20	4.4	3000	9	180	2.7	0.9
DD6/352A	6	6.3	27	6.1	4500	10	280	2.7	0.9
DD7.5/402A	7.5	7.9	33	7.9	7000	13	360	4.8	1.2
DD9/402A	9	9.5	40	9.4	7000	13	360	6.0	1.2
DD11/402A	11	11.6	47	11	7000	13	360	7.2	1.2
DD15.5/502A	15.5	16.3	67	15.6	12000	17	900	7.5	3.0
DD19/453A	19	20	80	19.1	13500	17	750	8.0	4.0
DD24/503A	24	25.2	94	22.4	18000	19	1350	10.0	4.0
DD29/503A	29	30.5	120	25.6	18000	19	1350	12.0	4.0
DD32/503A	32	33.6	140	32	18000	19	1350	14.0	4.0
DD38/504A	38	39.9	160	38.7	24000	19	1800	14.0	5.2
DD47/554A	47	49.4	200	45.1	30000	25	2400	15.6	5.2
DD58/554A	58	60.9	235	58	30000	25	2400	20.8	5.2
DD72/604A	72	75.6	285	70.9	42000	25	3120	26.0	5.2
DD79/634A	79	83	300	77.3	46000	25	3200	28.6	5.2
DD88/634A	88	92.4	356	83.7	46000	28	3200	33.8	5.2

DL Air Cooler (fin space 4.5mm)

Model	Capacity DT=7K t. =-7°C		Area m ²	Pipe volume dm ³ h	Air flow m ³ /h	Range M	Fan motor Input(W) W	Defrosting heater Input(W)	
	R22	R404A						For coil	For drain plate
DL2.2/311A	2.2	2.3	7	1.4	1500	9	90	1.0	0.5
DL3.5/311A	3.5	3.7	11	2.4	1500	9	90	1.5	0.5
DL4.7/312A	4.7	4.9	14	3.1	3000	9	180	1.8	0.9
DL6/312A	6	6.3	26	4.4	3000	9	180	2.7	0.9
DL9/352A	9	9.5	35	6.1	4500	10	280	2.7	0.9
DL12.5/402A	12.5	13.1	43	7.9	7000	13	360	3.6	1.2
DL14.5/402A	14.5	15.2	52	9.4	7000	13	360	4.8	1.2
DL17/402A	17	17.9	61	11	7000	13	360	6.0	1.2
DL25/502A	25	26.3	87	15.6	12000	17	900	7.5	1.5
DL29/453A	29	30.5	104	19.1	13500	17	750	8.0	2.0
DL36.5/503A	36.5	38.3	122	22.4	18000	19	1350	8.0	2.0
DL42/503A	42	44.1	156	25.6	18000	19	1350	10.0	2.0
DL49/503A	49	51.5	182	32	18000	19	1350	12.0	2.0
DL59/504A	59	62.0	208	38.7	24000	19	1800	13.0	2.6
DL70/554A	70	73.5	260	45.1	30000	25	2400	15.6	2.6
DL84/554A	84	88.2	306	58	30000	25	2400	18.6	2.6
DL103/604A	103	108.2	371	70.9	42000	25	3120	20.8	2.6
DL112/634A	112	117.6	390	77.3	46000	25	3200	23.4	5.2
DL122/634A	122	128.1	463	83.7	46000	28	3200	26.0	5.2

DJ Air Cooler (fin space 9.0mm)

Model	Capacity DT=7K t. =-32°C		Area m ²	Pipe volume dm ³ h	Air flow m ³ /h	Range M	Fan motor Input(W) W	Defrosting heater Input(W)	
	R22	R404A						For coil	For drain plate
DJ1.7/311A	1.7	1.8	8.5	2.4	1500	9	90	1.5	0.5
DJ2.2/312A	2.2	2.3	11	3.1	3000	9	180	1.8	0.9
DJ2.7/312A	2.7	2.8	20	4.4	3000	9	180	2.7	0.9
DJ4.2/352A	4.2	4.4	27	6.1	4500	10	280	2.7	0.9
DJ5.6/402A	5.6	5.9	33	7.9	7000	13	360	4.8	1.2
DJ6.8/402A	6.8	7.1	40	9.4	7000	13	360	6.0	1.2
DJ7.8/402A	7.8	8.2	47	11	7000	13	360	7.2	1.2
DJ11.5/502A	11.5	12.1	67	15.6	12000	17	900	7.5	3.0
DJ14/453A	14	14.7	80	19.1	13500	17	750	8.0	4.0
DJ17/503A	17	17.9	94	22.4	18000	19	1350	10.0	4.0
DJ20/503A	20	21	120	25.6	18000	19	1350	12.0	4.0
DJ23/503A	23	24.2	140	32	18000	19	1350	14.0	4.0
DJ26/504A	26	27.3	160	38.7	24000	19	1800	14.0	5.2
DJ31/554A	31	32.6	200	45.1	30000	25	2400	15.6	5.2
DJ40/554A	40	60.9	235	58	30000	25	2400	20.8	5.2
DJ49/604A	49	75.6	285	70.9	42000	25	3120	26	5.2
DJ53.6/634A	53.6	83	300	77.3	46000	25	3200	28.6	5.2
DJ58/634A	58	92.4	356	83.7	46000	28	3200	33.8	5.2

DHF Series Double Side Blowing Air Coolers

Main components

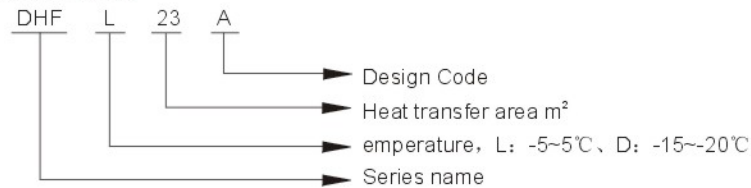
- ◆ Magnalium body.
- ◆ Defrosting with stainless steel electric heater
- ◆ Inner-groove copper tube

Product description

The DHF series are air coolers with double sided air blowing, are special applicable to cold storage for food process workshop. 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.



Nomenclature



Fin space: 4.0mm

Model	Capacity kw	Area m ²	Tube cubage L	Air m ³ /h	Fan motor			Defrost	
					Dia. mm	Input w	Voltage v	Input kw	Voltage v
DHF-L23A	5.5	22.8	2.5	4000	400	1×250	380	0.8	220
DHF-L30A	7.3	30.4	3.4	4000	400	1×250	380	1.2	220
DHF-L42A	10.1	42.0	4.4	8000	400	2×250	380	1.4	220
DHF-L56A	13.5	56.1	5.9	8000	400	2×250	380	1.6	220
DHF-L70A	16.8	70.0	7.2	12000	400	3×250	380	2.4	220
DHF-L88A	21.0	87.6	8.9	12000	400	3×250	380	3.6	220
DHF-L117A	28.0	116.8	11.7	16000	400	4×250	380	4.8	220
DHF-L140A	33.6	140.2	14.0	16000	400	4×250	380	6.4	220

Capacity test condition: cold room temperature: 2°C, DT: 8K.

Fin space: 6.0mm

Model	Capacity kw	Area m ²	Tube cubage L	Air m ³ /h	Fan motor			Defrost	
					Dia. mm	Input w	Voltage v	Input kw	Voltage v
DHF-D16A	3.1	15.6	2.5	4000	400	1×250	380	1.6	220
DHF-D21A	4.1	20.8	3.4	4000	400	1×250	380	1.8	220
DHF-D29A	5.8	28.8	4.4	8000	400	2×250	380	2.8	220
DHF-D38A	7.7	38.4	5.9	8000	400	2×250	380	3.2	220
DHF-D48A	9.6	48.0	7.2	12000	400	3×250	380	3.6	220
DHF-D60A	12.0	60.0	9.5	12000	400	3×250	380	4.8	220
DHF-D80A	16.0	80.0	10.6	16000	400	4×250	380	6.4	220
DHF-D96A	19.2	96.0	14.0	16000	400	4×250	380	8.0	220

Capacity test condition: cold room temperature: -18°C, DT: 8K.

EV series freezer air coolers

Main components

- ◆ Magnalium body.
- ◆ Two type of fin space (4.5mm / 9.0mm).
- ◆ Ceiling mounted.

Product description

EV series freezer air cooler is a cooling equipment, which is applicable to Freon refrigerator, suitable for 0~8°C



Specifications

Model	Capacity kw	Area m ²	Tube cubage L	Air flow m ³ /h	Fan motor		
					Dia. mm	Input w	Voltage v
EV-40	0.3	1.4	0.33	410	200	1×40	220
EV-60	0.4	2.3	0.48	410	200	1×40	220
EV-100	0.63	2.4	0.54	820	200	2×40	220
EV-130	0.85	3.8	0.8	820	200	2×40	220
EV-180	1.28	4.8	1.07	1230	200	3×40	220
EV-290	1.76	7.7	1.61	1230	200	3×40	220

Capacity test condition: refrigerator temperature: 0°C, DT: 8K.

SR Middle freezing units series



SR-pattern cold fan fits to be used as evaporator in a small-size refrigerator. It can form complete set with open system compressor, half closed compressor or full-closed system lowers temperature of the refrigerator sharply and makes the temperature in refrigerator be well-distributed

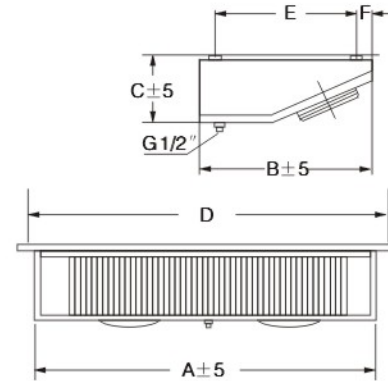
Can be manufactured the unstandard products.

Small-size refrigerator suspended ceiling cold fan

Model	Cooling Capacity (w)	Heat transfer area (m ²)	Qty. (Pc)	Dia. (mm)	Air flow (m ³ /h)	power (w)	Voltage (v)	Rpm	Frost melting electric radiator		Liquid pipe (mm)	Gas pipe (mm)	Length (mm)
									Power(w)	Voltage(v)			
SR-400	540	3	1	200	480	35	220	1300	750	220	12	16	496
SR-420	630	3.5	1	200	480	35	220	1300	800	220	12	16	596
SR-480	720	4	1	200	480	35	220	1300	880	220	12	16	650
SR-600	900	5	2	200	2X480	2X35	220	1300	1020	220	12	16	760
SR-840	1300	7.2	2	200	2X480	2X35	220	1300	1350	220	12	16	1016
SR-1050	1620	9	3	200	3X480	3X35	220	1300	1600	220	12	16	1210

If the technical parameter changes, refer to the manual attached please. No other notice would be given.

DE Middle Freezing Units Series



DE-pattern cold fan fits to be used as evaporator in a small-size refrigerator. It can form complete set with open system compressor, half closed compressor or full-closed system compressor. DE-pattern cold fan has three different sizes in one, two or three fans. It transmits heat quickly, lowers temperature of the refrigerator sharply and makes the temperature in the refrigerator be well-distributed can be manufactured the unstandard products.

DE Type Suspended Ceiling Cold Fan Parameter List

Model	Nominal Capacity (W)	Area of Cooling (m ²)	Connection caliber			Fan Motor						Defrost heater 220V/ 50 Hz (W)
			Inlet (φ mm)	Outlet (φ mm)	Qty	Diameter (φ mm)	Air flow (m ³ /h)	Blowing distance(m)	Speed (Rpm)	Voltage (V)	Power (W)	
DE-0.45/2.5	450	2.5	12	16	1	200	480	4	1300	220±10%	1×40	500
DE-0.9/5.0	900	5.0	12	16	2	200	2×480	4	1300	220±10%	2×40	1000
DE-1.35/7.5	1350	7.5	12	16	3	200	3×480	4	1300	220±10%	3×40	1500
DE-1.8/10.0	1800	10	12	16	4	200	4×480	4	1300	220±10%	4×40	1800

If the technical parameter changes, refer to the manual attached please. No other notice would be given.

Installation Table Of De-pattern Cold Fan

Model	Refrigerator internal volume (m ³)	Refrigerator temperature (°C)	Refrigeration unit power (HP)	Power supply (V)	Installation dimension(mm)						Note
					A	B	C	D	E	F	
DE-0.45/2.5	0.3-0.4	0~10	1/3	220	435	390	150	265	505	525	The factory can specially design and process for the user.
		-20	1								
DE-0.9/5.0	0.5	0~+5	1/2	220	745	390	150	265	815	835	
		0~20	3/4								
		-20	1.5								
DE-1.35/7.5	1.0	0~+5	1	220	1055	390	150	265	1125	1145	
		0	3/4								
		-20	2								
DE-1.8/10.0	1.5	0~+5	1.5	220	1365	390	150	265	1435	1455	
		0	1								

If the size of the table changes, refer to the manual attached please. No other notice would be given.

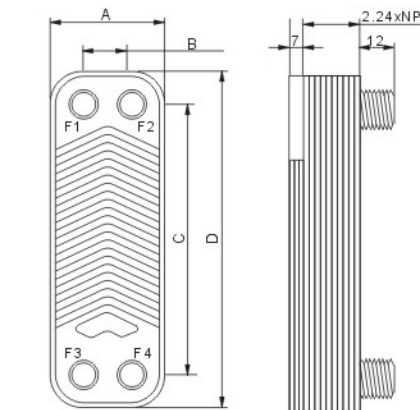
SR Coaxial Coils Heat Exchanger

Item No.	Heating Capacity (kw)	Copper Tube Connection				Dimensions		
		Refrigerant		Water		Length (mm)	Height (mm)	Width (mm)
Inlet-outlet Diameter(mm)	Thickness (mm)	Inlet-outlet Diameter (mm)	Thickness (mm)					
SR-BA-009-H	2.64	12.7-9.52	0.75	18-18	1.2	235	174	148
SR-BA-012-H	3.52	12.7-9.52	0.75	18-18	1.2	235	174	173
SR-BA-018-H	5.28	19.0-12.7	1.1-0.75	19-19	1.5	290	211	148
SR-BA-024-H	7.04	19.0-12.7	1.1-0.75	19-19	1.5	264	222	177
SR-BA-030-H	8.80	22.2-12.7	1.1-0.75	19-19	1.5	350	292	160
SR-BA-036-H	10.56	22.2-12.7	1.1-0.75	19-19	1.5	343	310	185
SR-BA-042-H	12.32	22.2-12.7	1.1-0.75	23-23	1.5	368	287	248
SR-BA-048-H	14.08	22.2-12.7	1.1-0.76	25-25	2.0	389	292	249
SR-BA-060-H	17.6	22.2-12.7	1.1-0.77	25-25	2.0	430	350	251
SR-BA-072-H	21.12	22.2-12.7	1.1-0.78	25-25	2.0	435	338	280
SR-BA-090-H	26.4	22.2-12.7	1.1-0.79	32-32	2.0	440	345	332



Soldering Plate Type Heat Exchanger

Type Number	SR-B3-12-X	SR-B3-14-X	SR-B3-23-X	SR-B3-52-X	SR-B3-95-X
* X=quantity of plates					
Capacity per plate	0.08KW	0.1KW	0.15KW	0.4KW	1KW
Surface per Plate	0.012m ²	0.014m ²	0.023m ²	0.052m ²	0.095m ²
Quantity of plates	8-60 pcs	8-60 pcs	8-60 pcs	20-120pcs	20-200pcs
Operates Pressure	3.0Mpa	3.0Mpa	3.0Mpa	3.0Mpa	3.0Mpa
Thickness of Plate	0.3mm				
Operates Temperature	-195~+250°C				
Type of Connection	Solder /flare				
Material	316L or 304 stainless steel				
Material of Welding	99.9% copper or nickel				
Capacity of Heat Exchange	1-5KW	1-5KW	3-10KW	10-70KW	50-250KW
Dimension A	73mm	86mm	73mm	112mm	192mm
Dimension B	40mm	46mm	40mm	50mm	90mm
Dimension C	154mm	156mm	278mm	466mm	519mm
Dimension D	191mm	196mm	315mm	526mm	617mm



Evap. Temperature	Overheating(K)	Overcold(K)	Temp. of water inlet	Temp. of water outlet	Refrigerant
2°C	5	5	12°C	7°C	R22

OEM Box Type Condensing Units (More Economical)



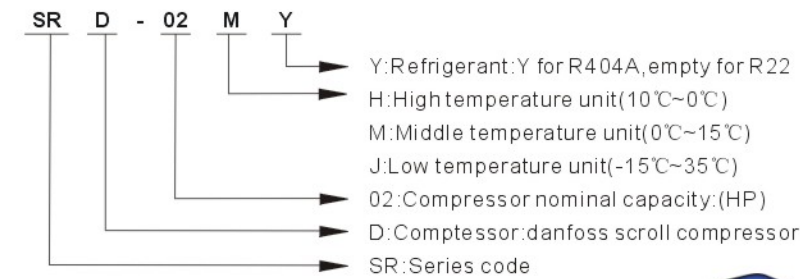
R404A Refrigerant

Condensing units model	Horse power	Unit powersupply	Refrigeration capacity at 50HZ rated@35°C/90°F ambient temp. (watts)								
			Evaporating temperature								
			-25°C -13°F	-15°C +5°F	-10°C +14°F	-5°C +23°F	0°C +32°F	+5°C +41°F	+7.2°C +45°F	+15°C +59°F	
QR44H	2HP	220-240V/1PH/50HZ	1491	2314	2910	3557	4200	4761	5322	6592	
QR58H	3HP	208-230V/1PH/60HZ	2224	3611	4360	5261	6163	6880	7597	9277	
QR3-44H	2HP	380V/3PH/50HZ 460V/3HP/60HZ	1491	2314	2910	3557	4200	4761	5322	6592	
QR3-58H	3HP		2224	3611	4360	5261	6163	6880	7597	9277	
QR3-74H	3.5HP		2892	4157	5137	6287	7438	8316	9194	11300	
QR3-90H	4HP		3010	4486	5569	7026	8483	9863	11244	14507	
QR3-112H	5HP		4317	5954	7607	9527	11447	12882	14317	17813	
QR3-124H	6HP		4020	6579	8566	10662	12759	14490	16221	20116	
QR3-134H	7HP		5368	7033	8739	10686	12634	14111	15589	19298	

R22 Refrigerant

Condensing units model	Horse power	Unit powersupply	Refrigeration capacity at 50HZ rated@35°C/90°F ambient temp. (watts)								
			Evaporating temperature								
			-25°C -13°F	-15°C +5°F	-10°C +14°F	-5°C +23°F	0°C +32°F	+5°C +41°F	+7.2°C +45°F	+15°C +59°F	
QR44H	2HP	220-240V/1PH/50HZ	1282	2314	2910	3536	4200	4761	5322	6592	
QR58H	3HP	208-230V/1PH/60HZ	1699	3051	3838	4675	5580	6880	7597	8658	
QR3-44H	2HP	380V/3PH/50HZ 460V/3HP/60HZ	1282	2314	2910	3536	4200	4761	5332	6592	
QR3-58H	3HP		1699	3051	3838	4675	5580	6880	7597	8658	
QR3-74H	3.5HP		1890	3922	4877	6060	7182	8316	9193	10720	
QR3-90H	4HP		2347	4486	5569	6998	8483	9813	11244	14507	
QR3-112H	5HP		3218	5954	7607	8997	11447	12882	14317	17813	
QR3-124H	6HP		3220	6579	8566	10664	12759	14490	16221	20116	
QR3-134H	7HP		4613	7033	8739	10543	12634	14111	15589	19298	

Danfoss SRD Seris Box Type condensing unit



R22 / R404A

Condensing Unit Model	Compressor Model	Amb Temp (°C)	Capacity(watt)								
			Evaporating temperature (°C)								
			-25	-20	-15	-10	-5	0	5	7.2	10
SRD-02M	MLM015T4	32			2779	3430	4038	4704	5416	5767	6213
		38			3222	3836	4410	5131	5466	5891	
		43				3635	4116	4846	5164	5569	
SRD-02MY	MLZ015T4	32	1905	2352	2876	3549	4178	4865	5743	5964	6430
		38	1515	2033	2623	3270	3894	4475	5207	5548	5979
		43		1750	2207	2702	3525	3992	4701	5008	5401
SRD-03M	MLM021T4	32			4062	4828	5701	6665	7709	8214	8858
		38			4469	5398	6323	7328	7799	8447	
		43				5095	5979	6948	7383	7987	
SRD-03MY	MLZ021T4	32	3020	3593	4402	5192	6093	7087	8166	8689	9355
		38	3684	3265	3959	4783	5576	6463	7532	8009	8617
		43		2728	3491	4293	5095	5857	6798	7220	7757
SRD-04M	MLM030T4	32			5826	7067	8430	9946	11498	12210	13117
		38			6651	7976	9407	10927	11627	12519	
		43				7521	8868	10357	11045	11920	
SRD-04MY	MLZ030T4	32	4417	5281	6030	7314	8725	10293	11899	12637	13575
		38	3798	4682	5666	6751	8095	9350	10794	11801	12706
		43		4350	5238	6132	7296	8502	9947	10714	11562
SRD-05M	MLM038T4	32			6545	8118	9896	11759	13540	14347	15373
		38			7503	9292	10973	12923	13478	14438	
		43				8787	10286	12206	12907	13801	
SRD-05MY	MLZ038T4	32	5216	6200	7278	8905	10542	12170	14014	14849	15910
		38	4626	5600	6745	8115	9632	11338	13116	13881	14855
		43		5117	6200	7475	8715	10265	11936	12615	13482
SRD-06M	MLM045T4	32			7849	9660	11661	13865	16201	17233	18548
		38			9032	11003	13033	15298	16303	17582	
		43				10443	12199	14495	15372	16615	
SRD-06MY	MLZ045T4	32	6176	7325	8859	10571	12465	14251	16866	17935	19295
		38	5697	6836	8131	9658	11265	13228	15527	16547	17845
		43		6206	7537	8717	10238	11932	14062	15009	16215

Note: Rated condition: 50HZ, Gas return temp. 20°C, The liquid is supercooled

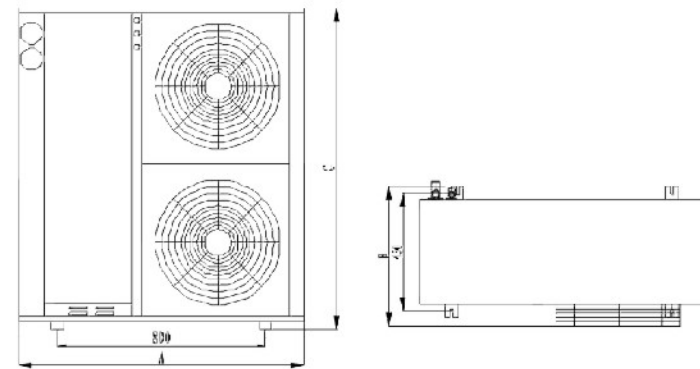
Copeland SRW Series Box Type Condensing Units

Nomenclature:



Product description

- ◆ Copeland scroll compressor;
- ◆ 6 pole fan motor with low noise at the high speed rotation;
- ◆ World famous brand refrigeration parts;
- ◆ Protection devices for phase sequence, over loading, sub-heating, lack of phase, high & low pressure etc.



Model	SRW02MAGY	SRW03MAGY	SRW04MAGY	SRW05MAGY	SRW06MAGY	SRW07MAGY	SRW08MAGY	
Temperature (°C)	5°C ~ -5°C							
Refrigerant	R404A							
Power supply	380V/3P/50Hz							
Compressor	Type	Scroll Copeland Compressor						
	Model	ZB15KQE	ZB21KQE	ZB29KQE	ZB38KQE	ZB45KQE	ZB48KQE	ZB58KQE
Condenser	Max. Current	6.0	8.0	11.0	12.5	16.1	17.0	23.0
	Qty of fan	1	1	2	2	2	2	2
	Air Flow (m³/h)	3200	4600	6400	9200	9200	10580	10580
Cooling Capacity	Input (W)	100	160	100x2	160x2	160x2	230x2	230x2
	Power supply	220V/50Hz						
	Capacity (W)	4350	6550	8910	11200	13100	14390	17100
Evap 0°C	Input (W)	1970	2790	3710	4670	5300	5816	7150
	Capacity (W)	3600	5500	7460	9350	10950	12050	14150
Evap -5°C	Input (W)	2030	2810	3730	4680	5350	5855	7200
	Capacity (W)	2950	4550	6210	7750	9100	10000	11500
Evap -10°C	Input (W)	2100	2820	3750	4680	5350	5882	7250
	Capacity (W)	2950	4550	6210	7750	9100	10000	11500
Pipe	Gas pipe (mm)	3/4 SAE	3/4 SAE	7/8 SAE	7/8 SAE	7/8 SAE	7/8 ODF	1-1/8 ODF
	Liquid pipe (mm)	3/8 SAE	3/8 SAE	1/2 SAE	1/2 SAE	1/2SAE	5/8 ODF	5/8 ODF

Condensing tem: 50°C,

Model	SRW02LAGY	SRW03LAGY	SRW04LAGY	SRW05LAGY	SRW06LAGY	SRW07LAGY	SRW09LAGY	SRW10LAGY	
Temperature (°C)	-15°C ~ -20°C								
Refrigerant	R404A								
Power supply	380V/3P/50Hz								
Compressor	Type	Scroll Copeland Compressor							
	Model	ZB15KQE	ZB21KQE	ZB29KQE	ZB38KQE	ZB45KQE	ZB48KQE	ZB66KQE	ZB76KQE
Condenser	Max. Current	6.0	8.0	11.0	12.5	16.1	17.0	24.2	26.9
	Qty of fan	1	1	1	2	2	2	2	4
	Air Flow (m³/h)	3200	3200	4600	6400	9200	9200	10580	10580
Cooling Capacity	Input (W)	100	100	160	100x2	160x2	160x2	230x2	230x2
	Power supply	220V/50Hz							
	Capacity (W)	2080	3350	4500	5650	6700	8260	10600	12500
Evap -15°C	Input (W)	2180	2830	3790	4680	5350	5897	7850	9200
	Capacity (W)	1560	2650	3550	4500	5300	6730	8350	10300
Evap -20°C	Input (W)	2260	2830	3810	4670	5350	5900	7850	9100
	Capacity (W)	1080	2070	2770	3500	4150	5100	6960	8980
Evap -25°C	Input (W)	2320	2830	3820	4650	5300	6100	7250	8500
	Capacity (W)	1080	2070	2770	3500	4150	5100	6960	8980
Pipe	Gas pipe (mm)	3/4 SAE	3/4 SAE	7/8 SAE	7/8 SAE	7/8 SAE	7/8 SAE	1-1/8 ODF	1-1/8 ODF
	Liquid pipe (mm)	3/8 SAE	3/8 SAE	1/2 SAE	1/2SAE	1/2SAE	1/2SAE	5/8 ODF	5/8 ODF

Condensing tem: 50°C,

Microchannel Condensing Unit

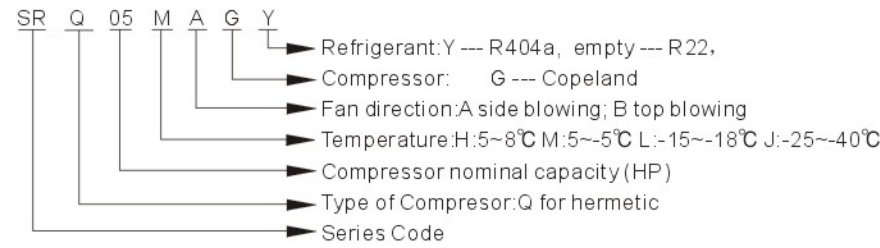


Product description

- ◆ Aluminum Condenser, lighter & cheaper
- ◆ Microchannel structure, fewer refrigerant needed, more efficiency and environmental.
- ◆ Compact design, big improvements on heat transfer efficiency.
- ◆ Highly recommend for condensing units with capacity more than 5HP, use this condenser unit will significantly lower your cost.
- ◆ We produce according to your specific requests.

Copeland SRQ Series Box Type Condensing Units

Nomenclature:



Product description

- ◆ Copeland Scroll Compressor;
- ◆ World famous brand refrigeration parts
- ◆ Copper tube & aluminum fin type heat exchanger;
- ◆ Built-in terminal box;
- ◆ Shut-off valve for inlet and outlet pipes;



SRQ × × A × (Side blowing) SRQ × × B × (Top blowing)

1. Side Blowing Units (ZB Compressor)

Model	SRQ02MAG	SRQ03MAG	SRQ04MAG	SRQ05MAG	SRQ06MAG		
Temperature(°C)	-5°C ~ 5°C						
Refrigerant	R22						
Power Supply	380V/3P/50Hz						
Compressor	ZB15KQ	ZB21KQ	ZB29KQ	ZB38KQ	ZB45KQ		
Qty of fan	1	1	1	2	2		
Supply voltage(V)	220	220	220	220	220		
Fan Input (W)	60	60	60	60×2	60×2		
Cooling Capacity & Input	Evap-5°C	Cooling capacity (W)	3750	5450	7370	8690	11000
		Input (W)	1840	2500	3190	3900	4780
	Evap-7°C	Cooling capacity (W)	3450	5040	6670	7930	10150
		Input (W)	1850	2490	3170	3900	4790
	Evap-10°C	Cooling capacity (W)	3040	4450	5970	6880	8970
		Input (W)	1870	2480	3160	3890	4800
Pipe	Suction Pipe (mm)	φ 19	φ 19	φ 19	φ 19	φ 19	
	Liquid Pipe (mm)	φ 10	φ 10	φ 12	φ 12	φ 12	

Condensing temp: 50°C, Suction overheat: 10°C

Model	SRQ02HAGY	SRQ03HAGY	SRQ04HAGY	SRQ05HAGY		
Temperature(°C)	5°C ~ 10°C					
Refrigerant	R404A					
Power Supply	380V/3P/50Hz					
Compressor	ZB15KQE	ZB21KQE	ZB29KQE	ZB38KQE		
Qty of fan	1	1	2	2		
Supply voltage(V)	220	220	220	220		
Fan Input (W)	60	60	60×2	60×2		
Cooling Capacity & Input	Evap 7°C	Cooling capacity (W)	5470	8220	11350	14050
		Input (W)	1910	2760	3670	4640
	Evap 5°C	Cooling capacity (W)	4140	7620	10500	13000
		Input (W)	1960	2770	3680	4650
	Evap 0°C	Cooling capacity (W)	3040	6290	8630	10700
		Input (W)	1870	2790	3710	4670
Pipe	Suction Pipe (mm)	φ 19	φ 19	φ 19	φ 19	
	Liquid Pipe (mm)	φ 10	φ 10	φ 12	φ 12	

2. Top Blowing Unit (ZB Compressor)

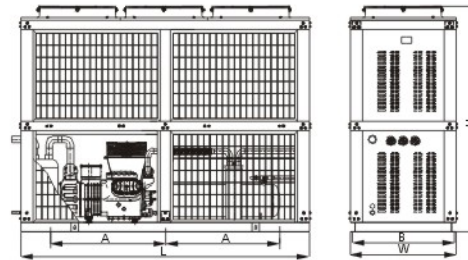
Model	SRQ02MBG	SRQ03MBG	SRQ04MBG	SRQ05MBG	SRQ06MBG		
Temperature(°C)	-5°C ~ 5°C						
Refrigerant	R22						
Power Supply	380V/3P/50Hz						
Compressor	ZB15KQ	ZB21KQ	ZB29KQ	ZB38KQ	ZB45KQ		
Qty of fan	1	1	1	1	2		
Supply voltage(V)	380	380	380	380	380		
Fan Input (W)	200	200	250	250	200×2		
Cooling Capacity & Input	Evap-5°C	Cooling capacity (W)	3750	5450	7370	8690	11000
		Input (W)	1840	2500	3190	3900	4780
	Evap-7°C	Cooling capacity (W)	3450	5040	6670	7930	10150
		Input (W)	1850	2490	3170	3900	4790
	Evap-10°C	Cooling capacity (W)	3040	4450	5970	6880	8970
		Input (W)	1870	2480	3160	3890	4800
Pipe	Suction Pipe (mm)	φ 19	φ 19	φ 22	φ 22	φ 22	
	Liquid Pipe (mm)	φ 10	φ 10	φ 10	φ 12	φ 12	

Model	SRQ08MBG	SRQ09MBG	SRQ10MBG	SRQ12MBG	SRQ13MBG	SRQ15MBG		
Temperature(°C)	-5°C ~ 5°C							
Refrigerant	R22							
Power Supply	380V/3P/50Hz							
Compressor	ZB58KQ	ZB66KQ	ZB76KQ	ZB88KQ	ZB95KQ	ZB114KQ		
Qty of fan	2	2	2	2	2	2		
Supply voltage(V)	380	380	380	380	380	380		
Fan Input (W)	200×2	250×2	250×2	250×2	450×2	450×2		
Cooling Capacity & Input	Evap-5°C	Cooling capacity (W)	14100	16500	19500	22000	27600	
		Input (W)	6100	6750	8000	9050	9800	11800
	Evap-7°C	Cooling capacity (W)	12560	15000	17700	20000	20800	25400
		Input (W)	6100	6750	7970	9000	9700	11600
	Evap-10°C	Cooling capacity (W)	11000	13400	15800	17800	18700	22800
		Input (W)	6150	6700	7950	8950	9500	11500
Pipe	Suction Pipe (mm)	φ 28	φ 28	φ 28	φ 28	φ 28	φ 28	
	Liquid Pipe (mm)	φ 16	φ 16	φ 16	φ 16	φ 16	φ 16	

SRQ02MBGY~SR06MBGY Condensing temp: 50°C, Suction overheat: 10°C

Model	SRQ08MBGY	SRQ09MBGY	SRQ10MBGY	SRQ13MBGY	SRQ15MBGY		
Temperature(°C)	-5°C ~ 5°C						
Refrigerant	R404A						
Power Supply	380V/3P/50Hz						
Compressor	ZB58KQE	ZB66KQE	ZB76KQE	ZB95KQE	ZB114KQE		
Qty of fan	2	2	2	2	2		
Supply voltage(V)	380	380	380	380	380		
Fan Input (W)	200×2	250×2	250×2	450×2	450×2		
Cooling Capacity & Input	Evap-5°C	Cooling capacity (W)	13200	15400	17450	21000	26000
		Input (W)	7210	7900	9270	11500	13800
	Evap-7°C	Cooling capacity (W)	12100	14200	16100	19500	24000
		Input (W)	7230	7890	9250	11400	13700
	Evap-10°C	Cooling capacity (W)	10450	12500	14300	17500	21500
		Input (W)	7270	7880	9230	11300	13600
Pipe	Suction Pipe (mm)	φ 28	φ 28	φ 28	φ 28	φ 28	
	Liquid Pipe (mm)	φ 16	φ 16	φ 16	φ 16	φ 16	

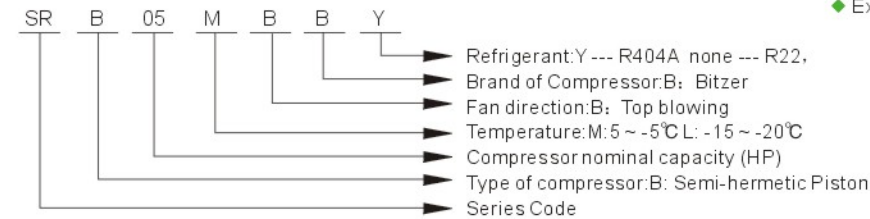
Bitzer® SRB Series Box Type Condensing Units



Product description

- ◆ Temperature -5°C~5°C & -15°C~-20°C
- ◆ Compact body
- ◆ Copper tube & aluminum fin typ heat exchanger;
- ◆ External rotor fan with low running noise;

Nomenclature:



1. Middle & High Temperature Units (R22)

Model	SRB03MBB	SRB04MBB	SRB05MBB	SRB06MBB	SRB07MBB		
Temperature(°C)	-5°C ~ 5°C						
Refrigerant	R22						
Power Supply	380V/3P/50Hz						
Compressor	2DC3.2	2CC4.2	4FC5.2	4EC6.2	4DC7.2		
Qty of fan	1	1	2	2	2		
Supply voltage(V)	380	380	380	380	380		
Fan Input (W)	250	250	200×2	200×2	200×2		
Cooling Capacity & Input	Evap 0°C	Cooling capacity (W)	8250	10130	11730	14390	
		Input (W)	3.23	3.99	4.45	5.56	6.57
	Evap -5°C	Cooling capacity (W)	6610	8140	9400	11550	14110
		Input (W)	2.98	3.67	4.12	5.12	6.14
	Evap -10°C	Cooling capacity (W)	5200	6430	7390	9110	11150
		Input (W)	2.72	3.33	3.76	4.65	5.65
Pipe	Suction Pipe (mm)	φ22	φ22	φ22	φ28	φ28	
	Liquid Pipe (mm)	φ12	φ12	φ12	φ12	φ12	

Model	SRB10MBB	SRB12MBB	SRB15MBB	SRB20MBB	SRB25MBB		
Temperature(°C)	-5°C ~ 5°C						
Refrigerant	R22						
Power Supply	380V/3P/50Hz						
Compressor	4VCS10.2	4TCS12.2	4PCS15.2	4NCS20.2	4H25.2		
Qty of fan	2	2	2	2	2		
Supply voltage(V)	380	380	380	380	380		
Fan Input (W)	250×2	450×2	600×2	600×2	800×2		
Cooling Capacity & Input	Evap 0°C	Cooling capacity (W)	23000	27800	33300	38600	
		Input (W)	7.97	9.8	11.23	13.65	17.25
	Evap -5°C	Cooling capacity (W)	18720	22600	27000	31300	40900
		Input (W)	7.43	9.13	10.45	12.6	16.1
	Evap -10°C	Cooling capacity (W)	14990	18120	21600	25100	32800
		Input (W)	6.82	8.39	9.6	11.46	14.83
Pipe	Suction Pipe (mm)	φ28	φ35	φ35	φ42	φ54	
	Liquid Pipe (mm)	φ16	φ16	φ22	φ22	φ22	

Model	SRB30MBB	SRB35MBB	SRB40MBB	SRB50MBB	
Temperature(°C)	-5°C ~ 5°C				
Refrigerant	R22				
Power Supply	380V/3P/50Hz				
Compressor	4G30.2	6H35.2	6G40.2	6F50.2	
Qty of fan	2	3	3	3	
Supply voltage(V)	380	380	380	380	
Fan Input (W)	800×2	800×3	800×3	800×3	
Cooling Capacity & Input	Evap 0°C	Cooling capacity (W)	57700	75600	86600
		Input (W)	20.4	25.9	30.7
	Evap -5°C	Cooling capacity (W)	46900	61400	70400
		Input (W)	19.04	24.2	28.6
	Evap -10°C	Cooling capacity (W)	37600	49200	56500
		Input (W)	17.57	22.3	26.4
Pipe	Suction Pipe (mm)	φ54	φ54	φ54	
	Liquid Pipe (mm)	φ22	φ28	φ28	

Condensing Temp: 50°C, Suction overheat: 10°C

2. Middle & Low Temperature Units (R22)

Model	SRB03LBB	SRB04LBB	SRB05LBB	SRB06LBB	
Temperature(°C)	-20°C ~ -15°C				
Refrigerant	R22				
Power Supply	380V/3P/50Hz				
Compressor	2CC3.2	4EC4.2	4DC5.2	4CC6.2	
Qty of fan	1	2	2	2	
Supply voltage(V)	380	380	380	380	
Fan Input (W)	180	180×2	180×2	180×2	
Cooling Capacity & Input	Evap -20°C	Cooling capacity (W)	4230	5860	6930
		Input (W)	2.79	4.01	4.67
	Evap -25°C	Cooling capacity (W)	3150	4430	5260
		Input (W)	2.46	3.57	4.23
	Evap -30°C	Cooling capacity (W)	2280	3250	3880
		Input (W)	2.19	3.04	3.82
Pipe	Suction Pipe (mm)	φ22	φ22	φ28	
	Liquid Pipe (mm)	φ12	φ12	φ12	

Condensing Temp: 50°C, Suction overheat: 10°C

Model	SRB08LBB	SRB10LBB	SRB12LBB	SRB15LBB	
Temperature(°C)	-20°C ~ -15°C				
Refrigerant	R22				
Power Supply	380V/3P/50Hz				
Compressor	4TCS8.2	4PCS10.2	4NCS12.2	4H15.2	
Qty of fan	2	2	2	2	
Supply voltage(V)	380	380	380	380	
Fan Input (W)	250×2	250×2	250×2	450×2	
Cooling Capacity & Input	Evap -20°C	Cooling capacity (W)	11330	13140	15500
		Input (W)	6.87	7.88	9.2
	Evap -25°C	Cooling capacity (W)	8550	9930	11600
		Input (W)	6.09	6.91	8.09
	Evap -30°C	Cooling capacity (W)	6260	7250	8460
		Input (W)	5.25	5.89	6.94
Pipe	Suction Pipe (mm)	φ35	φ35	φ35	
	Liquid Pipe (mm)	φ16	φ16	φ22	

Condensing Temp: 50°C, Suction overheat: 10°C

Model	SRB20LBB	SRB25LBB	SRB30LBB	SRB40LBB
Temperature(°C)	-20°C ~ -15°C			
Refrigerant	R22			
Power Supply	380V/3P/50Hz			
Compressor	4G20.2	6H25.2	6G30.2	6F40.2
Qty of fan	2	2	2	2
Supply voltage(V)	380	380	380	380
Fan Input (W)	600×2	600×2	800×2	800×2
Evap -20°C	Cooling capacity (W)	23000	29700	34500
	Input (W)	14.83	18.75	22.2
Evap -25°C	Cooling capacity (W)	17330	22400	26000
	Input (W)	13.14	16.28	19.71
Evap -30°C	Cooling capacity (W)	12600	16240	18900
	Input (W)	11.23	13.81	16.85
Suction Pipe (mm)	φ54	φ54	φ54	φ54
Liquid Pipe (mm)	φ22	φ22	φ22	φ28

Condensing Temp: 50°C, Suction overheat 10°C; CIC is necessary at low evaporation temperature.

3. Middle & High Temperature Units(R404A)

Model	SRB03MBBY	SRB04MBBY	SRB05MBBY	SRB06MBBY	SRB07MBBY
Temperature(°C)	-5°C ~ 5°C				
Refrigerant	R404A				
Power Supply	380V/3P/50Hz				
Compressor	2DC3.2Y	2CC4.2Y	4FC5.2Y	4EC6.2Y	4DC7.2Y
Qty of fan	1	1	2	2	2
Supply voltage(V)	380	380	380	380	380
Fan Input (W)	250	250	200×2	200×2	200×2
Evap 0°C	Cooling capacity (W)	8060	9860	10880	13740
	Input (W)	3.8	4.68	5.07	6.37
Evap -5°C	Cooling capacity (W)	6480	7950	8760	11050
	Input (W)	3.55	4.36	4.75	5.95
Evap -10°C	Cooling capacity (W)	5140	6330	6960	8770
	Input (W)	3.27	4.01	4.39	5.47
Suction Pipe (mm)	φ22	φ22	φ22	φ28	φ28
Liquid Pipe (mm)	φ12	φ12	φ12	φ12	φ12

Model	SRB10MBBY	SRB12MBBY	SRB15MBBY	SRB20MBBY	SRB25MBBY
Temperature(°C)	-5°C ~ 5°C				
Refrigerant	R404A				
Power Supply	380V/3P/50Hz				
Compressor	4VCS10.2Y	4TCS12.2Y	4PCS15.2Y	4NCS20.2Y	4H25.2Y
Qty of fan	2	2	2	2	2
Supply voltage(V)	380	380	380	380	380
Fan Input (W)	250×2	450×2	600×2	600×2	800×2
Evap 0°C	Cooling capacity (W)	21300	25600	30800	35900
	Input (W)	9.13	11.2	12.8	15.2
Evap -5°C	Cooling capacity (W)	17050	20600	24700	28700
	Input (W)	8.44	10.33	11.73	13.95
Evap -10°C	Cooling capacity (W)	13450	16320	19490	22600
	Input (W)	7.68	9.42	10.66	12.63
Suction Pipe (mm)	φ28	φ35	φ35	φ42	φ54
Liquid Pipe (mm)	φ16	φ16	φ22	φ22	φ22

Model	SRB30MBBY	SRB35MBBY	SRB40MBBY	SRB50MBBY
Temperature(°C)	-5°C ~ 5°C			
Refrigerant	R404A			
Power Supply	380V/3P/50Hz			
Compressor	4G30.2Y	6H35.2Y	6G40.2Y	6F50.2Y
Qty of fan	2	3	3	3
Supply voltage(V)	380	380	380	380
Fan Input (W)	800×2	800×3	800×3	800×3
Evap 0°C	Cooling capacity (W)	54100	70300	80900
	Input (W)	24.5	31.2	36.4
Evap -5°C	Cooling capacity (W)	43700	56700	65400
	Input (W)	22.6	29.0	33.7
Evap -10°C	Cooling capacity (W)	34800	45100	52200
	Input (W)	20.6	26.6	30.9
Suction Pipe (mm)	φ54	φ54	φ54	φ54
Liquid Pipe (mm)	φ22	φ28	φ28	φ28

Condensing Temp: 50°C, Suction overheat 10°C;

4. Middle & Low Temperature Units(R404A)

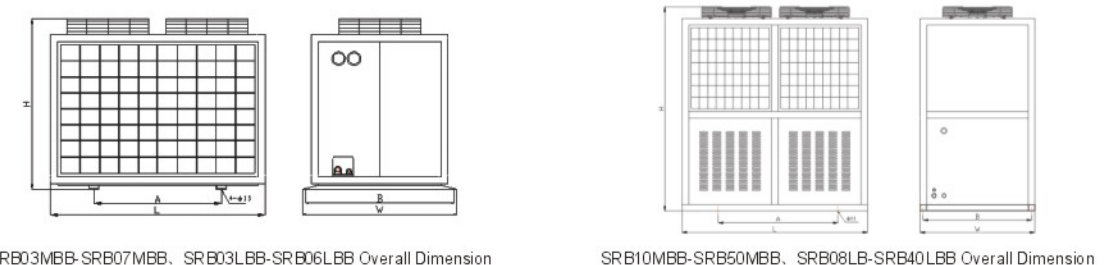
Model	SRB03LBBY	SRB04LBBY	SRB05LBBY	SRB06LBBY
Temperature(°C)	-15°C ~ -20°C			
Refrigerant	R404A			
Power Supply	380V/3P/50Hz			
Compressor	2CC3.2Y	4EC4.2Y	4DC5.2Y	4CC6.2Y
Qty of fan	1	2	2	2
Supply voltage(V)	380	380	380	380
Fan Input (W)	180	180×2	180×2	180×2
Evap -20°C	Cooling capacity (W)	3810	5140	6330
	Input (W)	3.21	4.33	5.3
Evap -25°C	Cooling capacity (W)	2870	3850	4750
	Input (W)	2.8	3.77	4.62
Evap -30°C	Cooling capacity (W)	2090	2790	3450
	Input (W)	2.4	3.2	3.92
Suction Pipe (mm)	φ22	φ22	φ28	φ28
Liquid Pipe (mm)	φ12	φ12	φ12	φ12

Model	SRB08LBBY	SRB10LBBY	SRB12LBBY	SRB15LBBY
Temperature(°C)	-20°C ~ -15°C			
Refrigerant	R404A			
Power Supply	380V/3P/50Hz			
Compressor	4TCS8.2Y	4PCS10.2Y	4NCS12.2Y	4H15.2Y
Qty of fan	2	2	2	2
Supply voltage(V)	380	380	380	380
Fan Input (W)	250×2	250×2	250×2	450×2
Evap -20°C	Cooling capacity (W)	9820	11460	13260
	Input (W)	7.7	8.8	10.4
Evap -25°C	Cooling capacity (W)	7330	8530	9870
	Input (W)	6.65	7.53	8.9
Evap -30°C	Cooling capacity (W)	5290	6130	7090
	Input (W)	5.61	6.28	7.5
Suction Pipe (mm)	φ35	φ35	φ35	φ42
Liquid Pipe (mm)	φ16	φ16	φ22	φ22

Model	SRB20LBBY	SRB25LBBY	SRB30LBBY	SRB40LBBY
Temperature(°C)	-20°C ~ -15°C			
Refrigerant	R404A			
Power Supply	380V/3P/50Hz			
Compressor	4G20.2Y	6H25.2Y	6G30.2Y	6F40.2Y
Qty of fan	2	2	2	2
Supply voltage(V)	380	380	380	380
Fan Input (W)	600×2	600×2	800×2	800×2
Evap -20°C	Cooling capacity (W)	21300	27700	31500
	Input (W)	17.0	22.2	25.2
Evap -25°C	Cooling capacity (W)	16240	21000	23900
	Input (W)	14.9	19.3	21.9
Evap -30°C	Cooling capacity (W)	12020	15490	17600
	Input (W)	12.7	16.43	18.7
Suction Pipe (mm)	φ54	φ54	φ54	φ54
Liquid Pipe (mm)	φ22	φ22	φ22	φ28

Condensing Temp: 50°C, Suction overheat 10°C

Overall dimensions



SRB03MBB-SRB07MBB, SRB03LBB-SRB06LBB Overall Dimension

SRB10MBB-SRB50MBB, SRB08LBB-SRB40LBB Overall Dimension

Embraco (Aspera) Condensing Units



1.Embraco (Aspera) condensing units (R22-LBP)

Model	Rated hp	Cooling capacity at different Evaporating Temperature (W)									Air Flow M³/h	Liquid pipe Inch	Suction pipe Inch
		-40	-35	-30	-25	-23.3	-20	-15	-10	-5			
CU3.4-NE2125E	7/16		143	196	266	294	354	460	583	715	360	3/8	1/4
CU4.4-NE2134E	1/2			255	368	412	502	656	831	1027	480	3/8	1/4
CU5.4-T2140E	3/4	186	238	325	448	497	605	798	1026		700	3/8	1/4
CU7-T2155E	1	209	277	387	539	600	733	967	1244		700	3/8	1/4
CU8.4-T2168E	1-1/4	364	384	489	678	761	951	1307	1748		2270	5/8	3/8
CU11.5-J2190E	1-1/2	356	497	698	960	1063	1283	1666	2109		2270	1/2	3/8

2.Embraco (Aspera) condensing units (R22-M/HBP)

Model	Rated hp	Cooling capacity at different Evaporating Temperature (W)								Air Flow M³/h	Liquid pipe Inch	Suction pipe Inch	
		-25	-20	-15	-10	-5	0	5	7.2				10
CU3.4-NE6210E	3/8		327	417	532	672	838	1028	1120	1244	360	3/8	1/4
CU4.4-NE9213E	1/2		447	595	773	983	1223	1495	1624	1797	480	3/8	1/4
CD5.4-T6220E	3/4		612	812	1057	1349	1686	2070	2254	2501	700	1/2	3/8
CU7-J9226E	1	593	800	1069	1402	1797	2255	2776	3025	3360	700	5/8	3/8
CU11.5-J9232E	1-1/2	828	1039	1333	1708	2164	2702	3322	3620	4023	2270	5/8	1/2
CU15-J92328E	1-3/4	1088	1400	1791	2261	2809	3436	4142	4478	4927	2270	5/8	1/2

3.Embraco(Aspera)condensing units (R134A-LBP)

Model	Rated hp	Cooling capacity at different Evaporating Temperature (W)									Air Flow M³/h	Liquid pipe Inch	Suction pipe Inch
		-40	-35	-30	-25	-23.3	-20	-15	-10	-5			
CU3.4-NE2121Z	1/3		121	166	226	250	302	392	498	618	360	3/8	1/4
CU3.4-NE2130Z	3/8		181	238	314	345	410	526	662	817	360	3/8	1/4
CU4.4-T2134Z	1/2			267	358	397	483	641	832	1057	480	3/8	1/4
CU5.4-T2140Z	3/4			272	390	439	548	748	988	1269	700	3/8	1/4
CU7-J2152	1			304	522	603	770	1048	1355	1692	700	1/2	3/8

4.Embraco(Aspera)condensing units (R134A-HBP)

Model	Rated hp	Cooling capacity at different Evaporating Temperature (W)									Air Flow M³/h	Liquid pipe Inch	Suction pipe Inch
		-20	-15	-10	-5	0	5	7.2	10	15			
CU3.4-NE6187Z	3/8		381	497	639	806	999	109	1218		360	3/8	1/4
CU4.4-T6215Z	1/2		567	765	1006	1291	1620	1778	1992		480	1/2	3/8
CU5.4-J6220Z	3/4		773	1104	1475	1886	2336	2547	2827		700	1/2	3/8
CU7-J6226Z	1		976	1350	1768	2231	2739	2976	3291		700	5/8	3/8

5.Embraco(Aspera)condensing units (R404A)

Model	Rated hp	Cooling capacity at different Evaporating Temperature (W)								Air Flow M³/h	Liquid pipe Inch	Suction pipe Inch
		-40	-35	-30	-25	-23.3	-20	-15	-10			
CU2-NB2121GK	1/4	90	136	192	258	283	334	420	516	360	3/8	1/4
CU3.4-NB2125GK	1/3	53	121	205	303	340	417	545	689	360	3/8	1/4
CU4.4-NB2134GK	1/2	59	162	283	425	478	586	767	967	480	3/8	1/4
CU4.4-T2155GK	5/8	168	250	369	525	587	719	950	1218	700	3/8	1/4
CU5.4-T2168GK	2/3	211	332	488	680	753	908	1172	1471	700	5/8	3/8
CU5.4-T2178GK	3/4	264	419	608	829	912	1084	1372	1693	700	1/2	3/8
CU7-T2180GK	7/8	289	445	640	875	964	1150	1464	1818	700	1/2	3/8
CU7-J2192GK	1	384	541	754	1023	1128	1349	1730	2167	700	1/2	3/8
CU8.4-J2212GK	1-1/4	334	613	947	1336	1481	1780	2279	2832	2270	1/2	3/8

6.Embraco(Aspera)condensing units (R404A)

Model	Rated hp	Cooling capacity at different Evaporating Temperature (W)								Air Flow M³/h	Liquid pipe Inch	Suction pipe Inch
		-20	-15	-10	-5	0	5	10	15			
CU2-NB6152GK	1/4	219	279	352	438	536	647	700	771	360	3/8	1/4
CU3.4-NB6146GK	1/3	272	344	430	530	643	770	830	911	360	3/8	1/4
CU3.4-NE6181GK	3/8	273	353	457	586	740	918	1005	1121	360	3/8	1/4
CU3.4-NE6210GK	3/8	310	430	568	723	895	1084	1173	1291	360	3/8	1/4
CU4.4-NE9213GK	1/2	514	675	864	1083	1330	1606	1737	1911	480	3/8	1/4
CU5.4-T6220GK	3/4	663	893	1164	1475	1827	2220	2406	2654	700	1/2	3/8
CU7-T6222GK	1	860	1130	1441	1793	2186	2620	2824	3096	700	1/2	3/8
CU8.4-J9226GK	1-1/4	929	1230	1588	2003	2476	3006	3258	3593	2270	5/8	3/8
CU11.5-J9232GK	1-1/2	1131	1501	1945	2462	3052	3716	4031	4453	2270	5/8	1/2
CU15-J9238GK	2	1469	1903	2421	3022	3707	4475	4839	5327	2270	5/8	1/2

OEM Condensing Unit



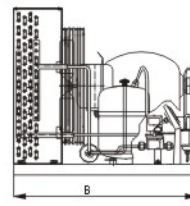
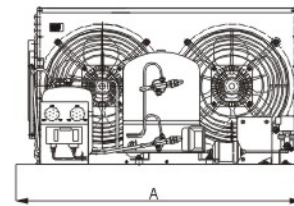
Model	Power (HP)	Displ (cm³)	Cooling Capacity (W) Evaporating Temperature					
			-30°C	-25°C	-23.3°C	-15°C	-10°C	-5°C
CD2-CU43	1/4	4.3	67	89	112	141	180	202
CD3.4-CU128	3/8	12.8	207	285	306	489	562	713
CD4.4-CU142	1/2	14.2	217	311	333	532	617	783

Ambient Temperature: 32.2°C Condensing Temperature: 54.4°C

Copeland® CD Series Condensing Units



Model code
 CD- 15 / ZB15KQ
 ↳ Compressor model;
 ↳ Condenser model, CD means air cooled

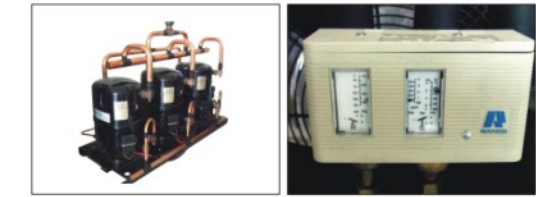


Model		CD-15/ZB15KQ	CD-18/ZB19KQ	CD-22/ZB21KQ	CD-25/ZB26KQ	CD-33/ZB29KQ	CD-43/ZB38KQ	CD-48/ZB45KQ	CD-55/ZB48KQ
Cooling capacity & Input	Evap -5°C Cooling capacity (W)	3750	4600	5450	6410	7370	8690	11100	12200
	Input (W)	1840	2170	2500	2840	3190	3900	4780	5180
	Evap -7°C Cooling capacity (W)	3450	4240	5040	5850	6670	7930	10150	9250
	Input (W)	1850	2170	2490	2860	3160	3900	4790	5140
	Evap -10°C Cooling capacity (W)	3040	3740	4450	5210	5970	6880	8970	8400
	Input (W)	1870	2170	2480	2860	3160	3890	4800	5120
Refrigerant		R22							
Condenser fan motor		1*φ 350	1*φ 400	1*φ 400	1*φ 400	2*φ 350	2*φ 400	2*φ 400	2*φ 400
Suction pipe (mm)		19	19	19	19	19	22	22	22
Liquid pipe (mm)		12	12	12	12	12	12	12	19

Model		CD-15/ZB15KQE	CD-18/ZB19KQE	CD-22/ZB21KQE	CD-25/ZB26KQE	CD-33/ZB29KQE	CD-43/ZB38KQE	CD-48/ZB45KQE	CD-55/ZB48KQE
Cooling capacity & Input	Evap -15°C Cooling capacity (W)	2080	2640	3350	3640	4500	5650	6700	8260
	Input (W)	2180	2330	2830	3380	3790	4680	5350	5897
	Evap -20°C Cooling capacity (W)	1560	2030	2650	3140	3550	4500	5300	6730
	Input (W)	2260	2330	2830	3380	3810	4670	5350	5900
	Evap -25°C Cooling capacity (W)	1080	1510	2070	2640	2770	3500	4150	5100
	Input (W)	2320	2330	2830	3380	3820	4650	5300	6100
Refrigerant		R404A							
Condenser fan motor		1*φ 350	1*φ 400	1*φ 400	1*φ 400	2*φ 350	2*φ 400	2*φ 400	2*φ 400
Suction pipe (mm)		19	19	19	19	19	22	22	22
Liquid pipe (mm)		12	12	12	12	12	12	12	19

Configuration: compressor, condenser, fan motor, liquid receiver, filter drier, solenoid valve, pressure control, pressure gauge, junction box

Tecumseh® CA/TA Series Hermetic Condensing Units

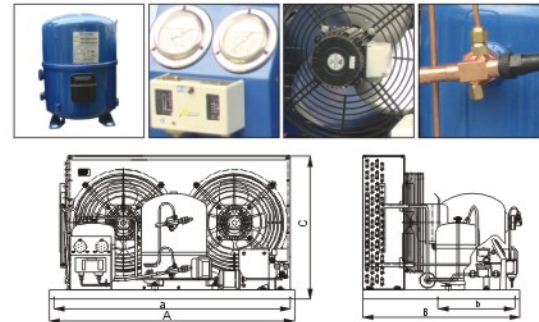


Product description

Tecumseh Europe hermetic condensing units could be used for different ambient temperature, in+43°C it can also works well, all the products are anti-rusty corrosion proof, and high reliability, Every units was tested through the internet supervising program by tecumseh Europe, Original design and parts from Europe make this product perfect.

Model	Cylinder Capacity (cm³)	Nominal Power (hp)	Refrigerant	Ambient Temperature (°C)	Capacity (w)							Voltage (v)		
					Evaporating Temperature (°C)							1ph	3ph	
High & Medium Circle Pressure					-25	-20	-15	-10	-5	0	+7.2	+15		
CAJ4461YHR	18.3	1/2	R134a	32	339	486	653	801	1200	1010	1511	1870	220	
CAJ4492YHR	25.95	3/4	R134a	32	494	720	970	1230	1800	1500	2284	2810	220	
CAJ4511YHR	32.7	1	R134a	32	803	1025	1280	1550	2220	1870	2764	3420	220	
CAE9460TMHR	11.3	1/2	R22	32	410	520	653	808	1161	976	1426	1739	220	
CAJ/TAJ9510TMHR	18.3	1	R22	32	711	907	1126	1374	1941	1643	2411	2987	220	380
CAJ/TAJ4517EHR	25.95	1 1/4	R22	32	1072	1355	1692	2071	2978	2500	3741	4681	220	380
CAJ/TAJ4519THR	34.45	1 3/4	R22	32	1250	1672	2144	2642	3767	3190	4669	5739	220	380
FH/TFH4524FHR	43.5	2	R22	32	1282	1766	2314	2910	4200	3536	5322	6592	220	380
FHS/TFHS4531FHR	56.65	3	R22	32	1669	2323	3051	3838	5580	4675	6988	8658	220	380
TFHS4540FHR	74.25	3 1/2	R22	32	1890	2882	3922	4877	7182	6060	8842	10720	220	380
TAG4546THR	90.2	4	R22	32	2347	3394	4486	5569	8483	6998	11244	14507	380	
TAG4561THR	112.5	5	R22	32	3218	4486	5954	7607	11447	8997	14317	17813	380	
TAG4568THR	124.4	6	R22	32	3220	4842	6579	8566	12759	10664	16221	20116	380	
TAG4573THR	134.8	6 1/2	R22	32	4613	5521	7033	8739	12634	10543	15589	19289	380	
TAGD4590THR	180.4	7 1/2	R22	32	4700	6299	8309	10574	15628	12853	19486	23990	380	
TAGD4610THR	225	9	R22	32	6540	9000	11700	14800	22100	18200	27580	34100	380	
TAGD4612THR	248.8	10	R22	32	7040	9160	12000	15400	23600	18400	29812	37200	380	
TAGD4614THR	269.6	12	R22	32	7578	9201	12307	16024	25201	11602	32224	40582	380	
Low Circle Pressure					-45	-40	-35	-30	-20	-23.3	-15	-10		
CAJ2428ZBR	15.2	5/8	R404A	32	136	254	372	496	761	671	902	1049		
CAJ2432ZBR	18.3	3/4	R404A	32	165	308	449	594	898	796	1058	1222	220	
CAJ/TAJ2446ZBR	26.15	1	R404A	32	180	360	574	750	1205	1047	1456	1724	220	380
CAJ/TAJ2464ZBR	34.45	1 1/2	R404A	32	128	459	771	1080	1692	1491	1995	2296	220	380
TFH2480ZBR	53.2	2	R404A	32	435	852	1233	1628	2519	2223	2980	3147	220	380
TFH2511ZBR	74.25	3	R404A	32	395	992	1520	2105	3301	2892	3895	4485	380	
TAG2516ZBR	112.5	4	R404A	32	941	1631	2354	3146	4940	4317	5941	7011	380	
TAG2522ZBR	134.8	6	R404A	32	1307	2146	3020	3971	6107	5368	7291	8553	380	
TAGD2532ZBR	225	8	R404A	32	1705	3005	4383	5954	9697	8363	11827	14171	380	
TAGD2544ZBR	269.6	12	R404A	32	2479	4085	5750	7577	11713	10277	14023	16495	380	

Maneurop HGM/MGM Series Air- Cooled Condensing Units



Product description:

- ◆ Open type structure with hermetic Danfoss Maneurop compressor
- ◆ Liquid slugging proof
- ◆ Copper tube & aluminum fin type heat exchanger
- ◆ Local brand refrigeration parts

1. Air cooled condensing unit (R22)

Model	MGM18	MGM22	MGM28	MGM36	MGM40	MGM50	MGM64	MGM80	MGM100	MGM125	MGM160
Compressor Model	Mt18	Mt22	Mt28	Mt36	Mt40	Mt50	Mt64	Mt80	Mt100	Mt125	Mt160
Temperatuer	-5°C~5°C										
Power supply	380V/3Phase/50Hz										
Qty of fan	1	1	1	2	2	2	2	2	2	4	4
Power Supply	380V/50Hz										
Fan Input(w)	150	150	200	300	300	400	400	400	500	800	800
Evap Capacity (W)	2930	4160	5890	7470	8270	9470	12370	15500	18270	24120	30290
0°C Input (W)	1.25	1.64	2.23	2.91	3.034	3.72	4.9	6.09	7.02	9.26	11.63
Evap Capacity (W)	2210	3210	4700	6010	6610	7400	9780	12380	14340	19190	24090
-5°C Input (W)	1.15	1.49	2.06	2.69	3.08	3.41	4.5	5.62	6.54	8.59	10.79
Evap Capacity (W)	1630	2380	3660	4710	5140	5680	7570	9670	11010	14990	18850
-10°C Input (W)	1.03	1.32	1.87	2.45	2.79	3.08	4.1	5.12	5.98	7.87	9.88
Suction Pipe(mm)	φ 12	φ 12	φ 12	φ 16	φ 22	φ 22	φ 22	φ 28	φ 28	φ 28	φ 28
Liquid Pipe(mm)	φ 10	φ 10	φ 10	φ 10	φ 12	φ 12	φ 12	φ 16	φ 16	φ 16	φ 16

Model	MGM28	MGM36	MGM50	MGM64	MGM80	MGM100	MGM125	MGM160
Compressor Model	MT28	MT36	MT50	MT64	MT80	MT100	MT125	MT160
Temperatuer	-18°C~-10°C							
Power supply	380V/3Phase/50Hz							
Qty of fan	1	1	2	2	2	2	2	4
Power Supply	380V/50Hz							
Fan Input(w)	150	200	300	400	400	400	500	800
Evap Capacity (W)	2730	3560	4280	5690	7330	8210	11450	14460
-15°C Input (W)	1.65	2.2	2.74	3.59	4.63	5.37	7.11	8.95
Evap Capacity (W)	--	--	3140	4100	5320	5870	8480	10810
-20°C Input (W)	--	--	2.4	3.11	4.14	4.73	6.35	8.0
Evap Capacity (W)	--	--	--	--	--	--	--	--
-25°C Input (W)	--	--	--	--	--	--	--	--
Suction Pipe(mm)	φ 12	φ 16	φ 22	φ 22	φ 28	φ 28	φ 28	φ 28
Liquid Pipe(mm)	φ 10	φ 10	φ 12	φ 12	φ 16	φ 16	φ 16	φ 16

2. Air cooled condensing unit (R404A)

Model	HGZ18	HGZ22	HGZ28	HGZ36	HGZ40	HGZ50	HGZ64	HGZ80	HGZ100	HGZ125	HGZ160
Compressor Model	MTZ18	MTZ22	MTZ28	MTZ36	MTZ40	MTZ50	MTZ64	MTZ80	MTZ100	MTZ125	MTZ160
Temperatuer	-5°C~5°C										
Power supply	380V/3Phase/50Hz										
Qty of fan	1	1	1	2	2	2	2	2	2	4	4
Power Supply	380V/50Hz										
Fan Input(w)	150	150	200	300	300	400	400	40	500	800	800
Evap Capacity (W)	3274	4438	5733	7540	8481	10255	13278	16896	20060	25680	32630
0°C Input (W)	1.46	1.82	2.43	3.19	2.64	4.37	5.57	7.2	8.14	10.35	13.6
Evap Capacity (W)	2530	3448	4497	6036	6851	7999	10551	13540	15970	20380	26200
-5°C Input (W)	1.36	1.68	2.23	2.94	3.38	4.06	5.15	6.63	7.61	9.6	12.6
Evap Capacity (W)	1909	2621	3445	4745	5445	6132	8216	10630	12474	15910	20700
-10°C Input (W)	1.24	1.53	2.02	2.68	3.08	3.72	4.7	6.03	7.02	8.8	11.5
Suction Pipe(mm)	φ 12	φ 12	φ 12	φ 16	φ 22	φ 22	φ 22	φ 28	φ 28	φ 28	φ 28
Liquid Pipe(mm)	φ 10	φ 10	φ 10	φ 10	φ 12	φ 12	φ 12	φ 16	φ 16	φ 16	φ 16

Model	MGZ28	MGZ36	MGZ50	MGZ64	MGZ80	MGZ100	MGZ125	MGZ160
Compressor Model	MTZ28	MTZ36	MTZ50	MTZ64	MTZ80	MTZ100	MTZ125	MTZ160
Temperatuer	-25°C~-15°C							
Power supply	380V/3Phase/50Hz							
Qty of fan	1	1	2	2	2	2	2	4
Power Supply	380V/50Hz							
Fan Input(w)	150	200	300	400	400	400	500	800
Evap Capacity (W)	1800	2707	3380	4560	5980	6970	9100	12180
-20°C Input (W)	1.54	2.1	3.0	3.73	4.8	5.6	7.0	9.2
Evap Capacity (W)	1190	1910	2400	3154	4140	4830	6650	8930
-25°C Input (W)	1.3	1.8	2.6	3.24	4.22	4.8	6.1	8.0
Evap Capacity (W)	676	1240	1620	1974	2580	3000	4650	6220
-30°C Input (W)	1.02	1.5	2.3	2.8	3.7	3.9	5.2	6.8
Suction Pipe(mm)	φ 12	φ 16	φ 22	φ 22	φ 28	φ 28	φ 28	φ 28
Liquid Pipe(mm)	φ 10	φ 10	φ 12	φ 12	φ 16	φ 16	φ 16	φ 16

Condensing temperature: 50°C

Bitzer® CD Series Condensing Units



Nomenclature:
 CD-18 / 2HC-2.2
 → Compressor model
 → Condenser model
 CD means air-cooled
 FWS means water-cooled



- Product Description**
- ◆ Semi-Hermetic Bitzer compressor;
 - ◆ Copper tube & aluminum fin type heat exchanger;
 - ◆ World famous brand refrigeration parts
 - ◆ Water proof terminal box

Standard configuration:

- CD-18/2HC2.2~CD150/4NCS20.2; CD15/2HC1.2~CD100/4NCS12.2**
 • Compressor • Crankcase heater • Condenser • Receiver • Filter Drier • Sight glass • Solenoid valve
 • Hi-Low pressure control • Hi-Low pressure gauge • junction box
- CDV-175A0/4H-25.2~CDV-195A/6F-50.2; CD130/4PCS15.2~ CD-180/6H25.2**
 • Compressor • Crankcase heater • Vibration Eliminator • Oil separator • Condenser • Receiver • Filter Drier • Sight glass
 • Solenoid valve • Hi-Low pressure control • Oil pressure control • Hi-Low pressure gauge • junction box
- CDV-175A/6G30.2~CDV195A/6F40.2**
 • Compressor • Crankcase heater • Vibration Eliminator • Oil separator • Condenser • Receiver • Filter Drier • Sight glass
 • Solenoid valve • Hi-Low pressure control • Oil pressure control • Hi-Low pressure gauge • Over head fan • junction box
- FWS3/2FC3.2~FWS20/4NCS20.2; FWS3-2CC-3.2~FWS10/4NCS12.2**
 • Compressor • Crankcase heater • Water-cooled condenser • Filter Drier • Sight glass • Solenoid valve
 • Hi-Low pressure control • Hi-Low pressure gauge • junction box
- FWS25/4H25.2~FWS50/6F50.2; FWS15/4H15.2~FWS35/6F40.2**
 • Compressor • Crankcase heater • Vibration Eliminator • Oil separator • Water-cooled condenser • Filter Drier • Sight glass
 • Solenoid valve • Hi-Low pressure control • Oil pressure control • Hi-Low pressure gauge • junction box

1. Middle and High Temperature Units(R22)

Model Compressor	CD-18/2HC2.2 2HC2.2	CD-22/2GC2.2 2GC2.2	CD-22/2FC3.2 2FC3.2	CD-28/2EC3.2 2EC3.2	CD-33/2DC3.2 2DC3.2	CD-43/2CC4.2 2CC4.2	CD-48/4FC5.2 4FC5.2
Temperature	-5°C ~5°C						
Refrigerant	R22						
Power Supply	380V/3P/50Hz						
Condensing fan motor	Qty	1	1	1	2	2	2
	Supply voltage(V)	380	380	380	380	380	380
Cooling Capacity & Input	Fan Input (W)	180×1	180×1	180×1	140×2	140×2	180×2
	Evap 0°C Capacity (W)	4070	4790	5790	6890	8250	10130
Cooling Capacity & Input	Input (W)	1.73	1.98	2.46	2.83	3.23	3.99
	Evap -5°C Capacity (W)	3290	3890	4700	5520	6610	8140
Cooling Capacity & Input	Input (W)	1.62	1.87	2.31	2.61	2.98	3.67
	Evap -10°C Capacity (W)	2620	3120	3760	4350	5200	6430
Cooling Capacity & Input	Input (W)	1.5	1.75	2.14	2.37	2.72	3.33
	Suction Pipe(mm)	φ 16	φ 16	φ 16	φ 22	φ 22	φ 22
Pipe	Liquid Pipe(mm)	φ 10	φ 10	φ 10	φ 12	φ 12	φ 12

Model Compressor	CD-55/4EC6.2 4EC6.2	CD-70A/4DC7.2 4DC7.2	CD-80A/4CC9.2 4CC9.2	CD80A/4VCS10.2 4VCS10.2	CD100/4TCS12.2 4TCS12.2	CD130/4PCS15.2 4PCS15.2	CD150/4NCS20.2 4NCS20.2
Temperature	-5°C ~5°C						
Refrigerant	R22						
Power Supply	380V/3P/50Hz						
Condensing fan motor	Qty	2	2	2	2	4	4
	Supply voltage(V)	380	380	380	380	380	380
Cooling Capacity & Input	Fan Input (W)	180×2	250×2	250×2	250×2	180×4	180×4
	Evap 0°C Capacity (W)	14390	17550	21200	23000	27800	33300
Cooling Capacity & Input	Input (W)	5.56	6.57	8.06	7.97	9.8	11.23
	Evap -5°C Capacity (W)	11550	14110	17050	18720	22600	27000
Cooling Capacity & Input	Input (W)	5.12	6.14	7.5	7.43	9.13	10.45
	Evap -10°C Capacity (W)	9110	11150	13520	14990	18120	21600
Cooling Capacity & Input	Input (W)	4.65	5.65	6.92	6.82	8.39	9.6
	Suction Pipe (mm)	φ 28	φ 28	φ 28	φ 28	φ 35	φ 35
Pipe	Liquid Pipe (mm)	φ 12	φ 16	φ 16	φ 16	φ 16	φ 22

Model Compressor	CDV-175A/4H-25.2 4H25.2	CDV-195A/4G-30.2 4G30.2	CDV-260A/6H-35.2 6H35.2	CDV-295A/6G-40.2 6G40.2	CDV-365A/6F-50.2 6F50.2	
Temperature	-5°C ~5°C					
Refrigerant	R22					
Power Supply	380V/3P/50Hz					
Condensing fan motor	Qty	2	2	3	3	3
	Supply voltage(V)	380	380	380	380	380
Cooling Capacity & Input	Fan Input (W)	800×2	800×2	800×3	800×3	800×3
	Evap 0°C Capacity (W)	50300	57700	75600	86600	102500
Cooling Capacity & Input	Input (W)	17.25	20.4	25.9	30.7	37.9
	Evap -5°C Capacity (W)	40900	46900	61400	70400	83500
Cooling Capacity & Input	Input (W)	16.1	19.04	24.2	28.6	35.5
	Evap -10°C Capacity (W)	32800	37600	49200	56500	67300
Cooling Capacity & Input	Input (W)	14.83	17.57	22.3	26.4	32.8
	Suction Pipe (mm)	φ 54	φ 54	φ 54	φ 54	φ 54
Pipe	Liquid Pipe (mm)	φ 22	φ 22	φ 28	φ 28	φ 28

Remarks: 1. Condensing temp: 50°C; 2. For the units more than 25 HP, condenser will be mounted separately with the unit.

2. Middle and low temperature units (R22)

Model Compressor	CD43/4DC5.2 4DC5.2	CD48/4CC6.2 4CC6.2	CD70A/4TCS8.2 4TCS8.2	CD80A/4PCS10.2 4PCS10.2	CD100/4NCS12.2 4NCS12.2	CD130/4H15.2 4H15.2	CD150/4G20.2 4G20.2
Temperature	-20°C ~-15°C						
Refrigerant	R22						
Power Supply	380V/3P/50Hz						
Condensing fan motor	Qty	2	2	2	2	4	4
	Supply voltage(V)	380	380	380	380	380	380
Cooling Capacity & Input	Fan Input (W)	180×2	180×2	250×2	250×2	180×4	180×4
	Evap -20°C Capacity (W)	6930	7940	11330	13140	15500	19790
Cooling Capacity & Input	Input (W)	4.67	5.67	6.87	7.88	9.2	12.5
	Evap -25°C Capacity (W)	5260	5780	8550	9930	11600	14910
Cooling Capacity & Input	Input (W)	4.23	5.0	6.09	6.91	8.09	10.85
	Evap -30°C Capacity (W)	3880	-	6260	7250	8460	10820
Cooling Capacity & Input	Input (W)	3.82	-	5.25	5.89	6.94	9.21
	Suction Pipe(mm)	φ 28	φ 28	φ 35	φ 35	φ 35	φ 42
Pipe	Liquid Pipe(mm)	φ 12	φ 12	φ 16	φ 16	φ 22	φ 22

Model Compressor		CD-180/6H25.2 6H25.2	CDV-175A/6G30.2 6G30.2	CDV-195A/6F-40.2 6F40.2
Temperature		-15°C ~20°C		
Refrigerant		R22		
Power Supply		380V/3P/50Hz		
Condensing fan motor	Qty	4	2	2
	Supply voltage(V)	380	380	380
	Fan Input (W)	180×4	800×2	800×2
Cooling Capacity & Input	Evap -20°C	Capacity (W)	29700	41500
		Input (W)	18.75	27.0
	Evap -25°C	Capacity (W)	22400	31400
		Input (W)	16.28	23.7
	Evap -30°C	Capacity (W)	16240	23000
		Input (W)	13.81	20.2
Pipe	Suction Pipe (mm)	φ54	φ54	φ54
	Liquid Pipe (mm)	φ22	φ22	φ28

Remarks: 1. Condensing temp: 50°C;
2. For the units more than 10 HP, the CIC system is necessary if the evaporation temp below -25°C;
3. For the units more than 30 HP, the condenser will be mounted separately with the unit.

Model Compressor		CD15/2HC1.2 2HC1.2	CD15/2FC2.2 2FC2.2	CD18/2EC2.2 2EC2.2	CD22/2DC2.2 2DC2.2	CD28/2CC3.2 2CC3.2	CD33/4FC3.2 4FC3.2	CD36/4EC4.2 4EC4.2	
Temperature		-20°C ~-15°C							
Refrigerant		R22							
Power Supply		380V/3P/50Hz							
Condensing fan motor	Qty	1	1	1	1	2	2	2	
	Supply voltage(V)	380	380	380	380	380	380	380	
	Fan Input (W)	140	140	180	180	140×2	140×2	180×2	
Cooling Capacity & Input	Evap -20°C	Capacity (W)	1780	2570	3000	3350	4230	4720	5860
		Input (W)	1.25	1.73	2.09	2.4	2.79	3.25	4.01
	Evap -25°C	Capacity (W)	1340	1950	2250	2520	3150	3560	4430
		Input (W)	1.07	1.49	1.82	2.09	2.46	2.88	3.57
	Evap -30°C	Capacity (W)	970	1440	1630	1850	2280	2610	3250
		Input (W)	0.88	1.27	1.56	1.8	2.19	2.52	3.04
Pipe	Suction Pipe (mm)	φ16	φ16	φ22	φ22	φ22	φ22	φ22	
	Liquid Pipe (mm)	φ10	φ10	φ10	φ12	φ12	φ12	φ12	

3. Middle and High Temperature Units (R404A)

Model Compressor		CD18/2HC1.2 2HC2.2	CD22/2GC2.2 2GC2.2	CD22/2FC3.2 2FC2.2	CD28/2EC3.2 2EC3.2	CD33/2DC3.2 2DC3.2	CD43/2CC4.2 4CC4.2	CD48/4FC5.2 4FC5.2	
Temperature		-5°C ~5°C							
Refrigerant		R404A							
Power Supply		380V/3P/50Hz							
Condensing fan motor	Qty	1	1	1	2	2	2	2	
	Supply voltage(V)	380	380	380	380	380	380	380	
	Fan Input (W)	180×1	180×1	180×1	140×2	140×2	180×2	180×2	
Cooling Capacity & Input	Evap 0°C	Capacity (W)	3900	4470	5610	6960	8060	9860	10880
		Input (W)	1.85	2.2	2.72	3.3	3.8	4.7	5.1
	Evap -5°C	Capacity (W)	3120	3590	4510	5600	6480	7950	8760
		Input (W)	1.73	2.1	2.53	3.1	3.55	4.4	4.8
	Evap -10°C	Capacity (W)	2450	2840	3580	4450	5140	6330	6960
		Input (W)	1.6	1.9	2.33	2.8	3.3	4.0	4.4
Pipe	Suction Pipe (mm)	φ16	φ16	φ16	φ22	φ22	φ22	φ22	
	Liquid Pipe (mm)	φ10	φ10	φ10	φ12	φ12	φ12	φ12	

Model Compressor		CD-55/4EC-6.2Y 4EC6.2Y	CD-70/4DC-7.2Y 4DC7.2Y	CD-80/4CC-9.2Y 4CC9.2Y	CD80/4VCS10.2Y 2VCS10.2Y	CD100/4TCS12.2Y 4TCS12.2Y	CD130/4PCS15.2Y 4PCS15.2Y	CD150/4NCS20.2Y 4NCS20.2Y	
Temperature		-5°C ~5°C							
Refrigerant		R404A							
Power Supply		380V/3P/50Hz							
Condensing fan motor	Qty	2	2	2	2	4	4	4	
	Supply voltage(V)	380	380	380	380	380	380	380	
	Fan Input (W)	180×2	250×2	250×2	250×2	180×4	180×4	180×4	
Cooling Capacity & Input	Evap 0°C	Capacity (W)	13740	16320	19800	21300	25600	30800	35900
		Input (W)	6.4	7.5	9.2	9.1	11.2	12.8	15.2
	Evap -5°C	Capacity (W)	11050	13120	16000	17050	20600	24700	28700
		Input (W)	6.0	7.0	8.6	8.5	10.3	11.7	14.0
	Evap -10°C	Capacity (W)	8770	10400	12800	13450	16320	19500	22600
		Input (W)	5.5	6.5	8.0	7.7	9.4	10.7	12.6
Pipe	Suction Pipe (mm)	φ28	φ28	φ28	φ28	φ35	φ35	φ42	
	Liquid Pipe (mm)	φ12	φ16	φ16	φ16	φ16	φ22	φ22	

Model Compressor		CDV-175A/4H-25.2Y 4H25.2Y	CDV-195A/4G-30.2Y 4G30.2Y	CDV-260A/6H-35.2Y 6H35.2Y	CDV-295A/6G-40.2Y 6G40.2Y	CDV-365A/6F-50.2Y 6F50.2Y	
Temperature		-5°C ~5°C					
Refrigerant		R404A					
Power Supply		380V/3P/50Hz					
Condensing fan motor	Qty	2	2	3	3	3	
	Supply voltage(V)	380	380	380	380	380	
	Fan Input (W)	800×2	800×2	800×3	800×3	800×3	
Cooling Capacity & Input	Evap 0°C	Capacity (W)	46900	54100	70300	80900	95600
		Input (W)	20.8	24.5	31.2	36.4	44.8
	Evap -5°C	Capacity (W)	37800	43700	56700	65400	77200
		Input (W)	19.3	22.6	29.0	33.7	41.3
	Evap -10°C	Capacity (W)	30100	34800	45100	52200	61700
		Input (W)	17.7	20.6	26.6	30.9	37.6
Pipe	Suction Pipe (mm)	φ54	φ54	φ54	φ54	φ54	
	Liquid Pipe (mm)	φ22	φ22	φ28	φ28	φ28	

Remarks: 1. Condensing temp: 50°C; 2. For the units more than 25 HP, condenser will be mounted separately with the unit.

4. Middle and Low Temperature Units (R404A)

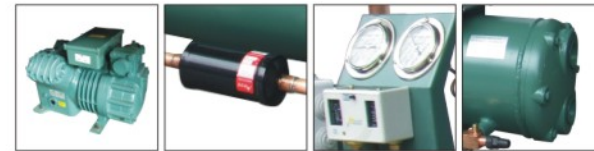
Model Compressor		CD15/2HC1.2Y 2HC1.2Y	CD15/2FC2.2Y 2FC2.2Y	CD18/2EC2.2Y 2EC2.2Y	CD22/2DC2.2Y 2DC2.2Y	CD28/2CC3.2Y 2CC3.2Y	CD33/4FC3.2Y 4FC3.2Y	CD36/4EC4.2Y 4EC4.2Y	
Temperature		-20°C ~-15°C							
Refrigerant		R404A							
Power Supply		380V/3P/50Hz							
Condensing fan motor	Qty	1	1	1	1	2	2	2	
	Supply voltage(V)	380	380	380	380	380	380	380	
	Fan Input (W)	140	140	180	180	140×2	140×2	180×2	
Cooling Capacity & Input	Evap -20°C	Capacity (W)	1390	2130	2620	3020	3810	4170	5140
		Input (W)	1.26	1.9	2.23	2.6	3.21	3.6	4.3
	Evap -25°C	Capacity (W)	1010	1580	1960	2250	2870	3120	3850
		Input (W)	1.1	1.7	1.95	2.25	2.8	3.1	3.8
	Evap -30°C	Capacity (W)	710	1140	1420	1620	2090	2260	2790
		Input (W)	0.91	1.44	1.67	1.9	2.4	2.7	3.2
Pipe	Suction Pipe (mm)	φ16	φ16	φ22	φ22	φ22	φ22	φ22	
	Liquid Pipe (mm)	φ10	φ10	φ10	φ12	φ12	φ12	φ12	

Model Compressor		CD43/4DC5.2Y 4DC5.2Y	CD48/4CC6.2Y 4CC6.2Y	CD70A/4TCS8.2Y 4TCS8.2Y	CD80A/4PCS10.2Y 4PCS10.2Y	CD100/4NCS12.2Y 4NCS12.2Y	CD130/4H15.2Y 4H15.2Y	CD150/4G20.2Y 4G20.2Y	
Temperature		-20°C ~-15°C							
Refrigerant		R404A							
Power Supply		380V/3P/50Hz							
Condensing fan motor	Qty	2	2	2	2	4	4	4	
	Supply voltage(V)	380	380	380	380	380	380	380	
	Fan Input (W)	180×2	180×2	250×2	250×2	180×4	180×4	180×4	
Cooling Capacity & Input	Evap -20°C	Capacity (W)	6330	7700	9820	11460	13260	18490	21300
		Input (W)	5.3	6.5	7.7	8.8	10.4	14.8	17.0
	Evap -25°C	Capacity (W)	4750	5800	7330	8530	9870	14000	16240
		Input (W)	4.6	5.7	6.7	7.5	8.9	12.9	14.9
	Evap -30°C	Capacity (W)	3450	4240	5290	6130	7090	10310	12000
		Input (W)	3.9	4.9	5.6	6.3	7.5	11.0	12.7
Pipe	Suction Pipe (mm)	φ28	φ28	φ35	φ35	φ35	φ42	φ54	
	Liquid Pipe (mm)	φ12	φ12	φ16	φ16	φ22	φ22	φ22	

Model Compressor		CD-180/6H25.2Y 6H25.2Y	CDV-175A/6G30.2Y 6G30.2Y	CDV-195A/6F-40.2Y 6F40.2Y
Temperature		-15°C ~20°C		
Refrigerant		R22		
Power Supply		380V/3P/50Hz		
Condensing fan motor	Qty	4	2	2
	Supply voltage(V)	380	380	380
	Fan Input (W)	180×4	800×2	800×2
Cooling Capacity & Input	Evap -20°C	Capacity (W)	27700	31500
		Input (W)	22.2	29.3
	Evap -25°C	Capacity (W)	21000	23900
		Input (W)	19.3	25.5
	Evap -30°C	Capacity (W)	15500	17600
		Input (W)	16.4	21.6
Pipe	Suction Pipe (mm)	φ54	φ54	
	Liquid Pipe (mm)	φ22	φ22	

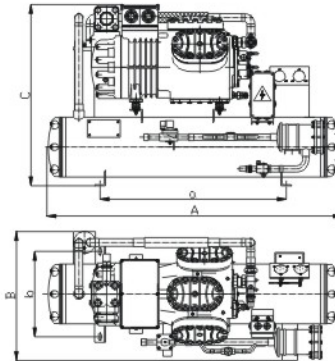
Remarks: 1. Condensing temp: 50°C; 2. For the units more than 30 HP, condenser will be mounted separately with the unit.

Bitzer® FWS Series Condensing Units



Product description

The FWS units feature by their semi-hermetic bitzer compressor, it includes 2 series of product of water cooled, medium and high, medium and low temperature range.



1. Middle and high temperature units

Model Compressor		FWS3/2FC3.2 2FC3.2	FWS4/2EC3.2 2EC3.2	FWS4/2DC3.2 2DC3.2	FWS5/2CC4.2 2CC4.2	FWS8/ 4FC5.2 4FC5.2	FWS8/4EC6.2 4EC6.2
Temperature		-5°C ~5°C					
Refrigerant		R22					
Power Supply		380V/3P/50Hz					
Cooling Capacity & Input	Evap 0°C Capacity (W)	6710	8040	9640	11920	13600	16740
	Input (W)	2.09	2.48	2.84	3.51	3.86	4.83
	Evap -5°C Capacity (W)	5480	6540	7830	9710	11020	13600
	Input (W)	2.0	2.35	2.69	3.31	3.66	4.56
	Evap -10°C Capacity (W)	4420	5240	6270	7800	8800	10900
	Input (W)	1.89	2.18	2.5	3.06	3.4	4.22
Cooling water flow (m3/h)		1.8	2.1	2.5	3.1	3.5	4.3
Pipe	Suction Pipe (mm)	φ 16	φ 22	φ 22	φ 22	φ 22	φ 28
	Liquid Pipe (mm)	φ 12	φ 12	φ 12	φ 12	φ 12	φ 12
	Water Pipe(inch)	1-1/4 "	1-1/4 "	1-1/4 "	1-1/2 "	1-1/2 "	1-1/2 "

Model Compressor		FWS10/4DC7.2 4DC7.2	FWS10/4CC9.2 4CC9.2	FWS15/4VCS10.2 4VCS10.2	FWS15/4TCS12.2 4TCS12.2	FWS15/ 4PCS15.2 4PCS15.2	FWS20/4NCS20.2 4NCS20.2
Temperature		-5°C ~5°C					
Refrigerant		R22					
Power Supply		380V/3P/50Hz					
Cooling Capacity & Input	Evap 0°C Capacity (W)	20300	24400	26700	32200	38400	44500
	Input (W)	5.66	7.0	6.97	8.52	9.88	12.1
	Evap -5°C Capacity (W)	16520	19890	21800	26300	31400	36300
	Input (W)	5.4	6.64	6.61	8.09	9.35	11.34
	Evap -10°C Capacity (W)	13230	15990	17630	21300	25300	29300
	Input (W)	5.06	6.21	6.17	7.56	8.72	10.51
Cooling water flow (m3/h)		5.2	6.3	6.8	8.1	10	11.3
Pipe	Suction Pipe (mm)	φ 28	φ 28	φ 28	φ 35	φ 42	φ 42
	Liquid Pipe (mm)	φ 16	φ 16	φ 16	φ 16	φ 16	φ 22
	Water Pipe(inch)	1-1/2 "	1-1/2 "	2 "	2 "	2 "	2 "

Model Compressor		FWS25/4H25.2 4H25.2	FWS30/4G30.2 4G30.2	FWS35/6H35.2 6H35.2	FWS40/6G40.2 6G40.2	FWS50/6F50.2 6F50.2
Temperature		-5°C ~5°C				
Refrigerant		R22				
Power Supply		380V/3P/50Hz				
Cooling Capacity & Input	Evap 0°C Capacity (W)	56600	64900	85000	97400	115000
	Input (W)	15.1	17.4	22.6	26.6	33.3
	Evap -5°C Capacity (W)	46300	53000	69500	79600	94100
	Input (W)	14.2	16.7	21.3	25.0	31.3
	Evap -10°C Capacity (W)	37300	42800	56100	64300	76200
	Input (W)	13.2	15.5	19.8	23.2	29.0
Cooling water flow (m3/h)		14.5	16.5	21.5	25.0	29.5
Pipe	Suction Pipe (mm)	φ 54	φ 54	φ 54	φ 54	φ 54
	Liquid Pipe (mm)	φ 22	φ 22	φ 28	φ 28	φ 28
	Water Pipe(inch)	2 "	2-1/2 "	2-1/2 "	2-1/2 "	2-1/2 "

Remarks: Condensing temp 40°C

2. Middle and low temperature units

Model Compressor		FWS3/2CC3.2 2CC-3.2	FWS4/4FC3.2 4FC-3.2	FWS4/4EC4.2 4EC-4.2	FWS5/4DC5.2 4DC-5.2	FWS5/ 4CC6.2 4CC-6.2	FWS8/4TCS8.2 4TCS-8.2
Temperature		-15°C ~-20°C					
Refrigerant		R22					
Power Supply		380V/3P/50Hz					
Cooling Capacity & Input	Evap -20°C Capacity (W)	5180	5770	7250	8480	9780	13540
	Input (W)	2.6	3.0	3.7	4.4	5.2	6.4
	Evap -25°C Capacity (W)	3970	4440	5590	6560	7380	10430
	Input (W)	2.3	2.6	3.3	3.9	4.7	5.7
	Evap -30°C Capacity (W)	2980	3330	4220	4950	5360	7790
	Input (W)	2.0	2.3	2.9	3.5	4.1	5.1
Cooling water flow (m3/h)		1.6	1.8	2.2	2.6	3.0	4.0
Pipe	Suction Pipe (mm)	φ 22	φ 22	φ 28	φ 28	φ 28	φ 35
	Liquid Pipe (mm)	φ 12	φ 12	φ 12	φ 12	φ 12	φ 16
	Water Pipe(inch)	1-1/4 "	1-1/4 "	1-1/4 "	1-1/2 "	1-1/2 "	1-1/2 "

Model Compressor		FWS10/4PCS10.2 4PCS10.2	FWS10/4NCS12.2 4NCS12.2	FWS15/4H15.2 4H15.2	FWS15/4G20.2 4G20.2	FWS20/ 6H25.2 6H25.2	FWS25/6G30.2 6G30.2	FWS35/6F40.2 6F40.2
Temperature		-15°C ~-20°C						
Refrigerant		R22						
Power Supply		380V/3P/50Hz						
Cooling Capacity & Input	Evap -20°C Capacity (W)	15680	18340	23000	26500	34500	39800	47500
	Input (W)	7.4	8.7	11.2	13.1	16.8	19.6	24.3
	Evap -25°C Capacity (W)	12060	14140	17540	20400	26300	30600	36700
	Input (W)	6.6	7.6	9.8	11.4	14.6	17.2	21.4
	Evap -30°C Capacity (W)	9020	10490	13130	15250	19720	22900	27700
	Input (W)	5.7	6.7	8.7	10.4	13.0	15.5	18.6
Cooling water flow (m3/h)		4.6	5.4	6.8	8.0	10.0	12.0	14.5
Pipe	Suction Pipe (mm)	φ 35	φ 35	φ 42	φ 54	φ 54	φ 54	φ 54
	Liquid Pipe (mm)	φ 16	φ 16	φ 22	φ 22	φ 22	φ 22	φ 28
	Water Pipe(inch)	1-1/2 "	1-1/2 "	2 "	2 "	2 "	2 "	2-1/2 "

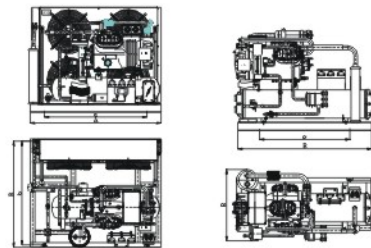
Remarks: 1. Condensing temp: 40°C;
2. For the units more than 10HP, the CIC system is necessary if the evaporation temp below -25°C;

Bitzer® CD Series Two-stage Compressor Condensing Units



Model code
 CD-180 / S6F-30.2
 → Compressor model;
 → Condenser model, CD means air cooled,
 FWS means water cooled.

- Product description:**
- ◆ Semi-Hermetic Bitzer 2-stage compressor
 - ◆ Could approach lowest temperature at -50°C with R22, and -65°C with R404A.
 - ◆ Super-cooler is employed which greatly upgrade capacity and EER;



1. Air cooled 2-stage units

Model	CD36/S4T5.2	CD55/S4N8.2	CD100/S4G12.2	CD130/S6J16.2	CD150/S6H20.2	CD180/S6G25.2	★ CDV195A/S6F30.2	
Temperature(°C)	-25°C ~-40°C							
Refrigerant	R22							
Power Supply	380V/3P/50Hz							
Compressor	S4T5.2	S4N8.2	S4G12.2	S6J16.2	S6H20.2	S6G25.2	S6F30.2	
Qty	2	2	4	4	4	4	2	
Supply voltage(V)	380	380	380	380	380	380	380	
Fan Input (W)	180×2	180×2	180×4	180×4	180×4	180×4	800×2	
Cooling Capacity & Input	Evap -35°C	Capacity (W)	5000	7240	10930	16320	18920	21700
		Input (W)	3.75	5.6	8.46	11.97	13.87	15.92
	Evap -40°C	Capacity (W)	3950	5680	8580	12920	14980	17200
		Input (W)	3.41	5.08	7.68	10.58	12.26	14.07
	Evap -45°C	Capacity (W)	3020	4310	6510	9810	11370	13060
		Input (W)	3.04	4.56	6.89	9.17	10.63	12.2
Pipe	Suction Pipe (mm)	φ28	φ28	φ35	φ42	φ42	φ42	
	Liquid Pipe (mm)	φ16	φ16	φ22	φ22	φ22	φ22	

Remarks: 1. Condensing temp: 45°C;
 2. CDV195A/S6F30.2 has the separate condenser with the unit. The size information above not include the condenser.

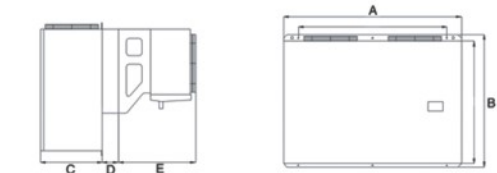
2. Water cooled 2-stage units

Model	FWS4/S4T5.2	FWS5/S4N8.2	FWS10/S4G12.2	FWS15/S6J16.2	FWS20/S6H20.2	FWS25/S6G25.2	FWS30/S6F30.2	
Temperature(°C)	-25°C ~-40°C							
Refrigerant	R22							
Power Supply	380V/3P/50Hz							
Compressor	S4T-5.2	S4N-8.2	S4G-12.2	S6J-16.2	S6H-20.2	S6G-25.2	S6F-30.2	
Qty	Shell & tube type							
Supply voltage(V)	2	3	4	5.6	6.6	7.5	10	
Fan Input (W)	1-1/4"	1-1/2"	1-1/2"	2"	2"	2"	2- 1/2"	
Cooling Capacity & Input	Evap -35°C	Capacity (W)	5100	7380	11150	16490	19120	21900
		Input (W)	3.55	5.3	8.0	11.35	13.2	15.1
	Evap -40°C	Capacity (W)	4010	5810	8780	13090	15170	17420
		Input (W)	3.23	4.81	7.26	10.1	11.67	13.4
	Evap -45°C	Capacity (W)	3080	4440	6700	1000	11600	13310
		Input (W)	2.88	4.33	6.54	8.8	10.2	11.7
Pipe	Suction Pipe (mm)	φ28	φ28	φ35	φ42	φ42	φ42	
	Liquid Pipe (mm)	φ22	φ22	φ28	φ28	φ28	φ28	

Remarks: Condensing temp: 40°C;

SRJ Series Mono-Block

Nomenclature:



NEW

Product description

- ◆ With the compact body monoblock is easy to be install in the cold room
- ◆ Compend compressor or other famous brand compressor inside
- ◆ Inner-grooved copper tube makes the heat exchanger more efficient
- ◆ EBm axial fan motor, & famous brand refrigeration parts
- ◆ DIXELL electronic control board with automatic electric heater defrosting
- ◆ Protection devices for over loading, sub-heating, lack of phase, hi-low pressure etc

Model	SRJ18M	SRJ36M	SRJ50M	SRJ22L	SRJ40L	SRJ50L
A	620	1100	1300	620	1100	1300
B	700	700	860	700	860	860
C	765	765	925	765	925	925
E	390	390	490	390	490	490
F	100	100	100	150	150	150
G	485	530	630	530	530	630
K	440	920	1120	440	920	1120
L	580	1060	1260	580	1060	1260
H	456	491	606	456	491	606

Specifications

Model	SRJ18M	SRJ36M	SRJ50M	SRJ22L	SRJ40L	SRJ50L
Input (W)	1800	5100	6225	1220	2438	3774
Input(kW)	1.2	2.6	3.5	1.3	3	4.5
Power supply	220V/50Hz	380V/50Hz	380V/50Hz	380V/50Hz	380V/50Hz	380V/50Hz
Tem range (°C)	-5~5	-5~5	-5~5	-15~-25	-15~-25	-15~-25
Compressor	Input (kW)	1	2.35	2.95	1.2	2.7
	Type	Piston				
	Qty	1	1	1	1	1
Condenser	Type	Inner grooved copper tube & aluminum fin				
	Fan Motor	External rotor fan motor				
	Qty	1	2	2	1	2
Evaporator	Input (W)	73	146	260	73	146
	Air flow(m3/h)	1885	3770	6200	1885	3770
	Type	Inner grooved copper tube & aluminum fin				
Expansion valve	Fan Motor	External rotor fan motor				
	Qty	1	2	2	1	2
	Input(W)	73	146	260	73	146
Electrical heating	Air Flow(m3/h)	1885	3770	6200	1885	3770
	Type of Defrost	Electrical heating				
	Expansion type	Expansion valve				
Refrigerant	R22	R22	R22	R404A	R404A	R404A
R Charge (kg)	1	2.2	3.5	1.2	2.5	3.5
Lube oil	160P	160P	160P	160PZ	160PZ	160PZ
Weight (kg)	108	141	205	105	162	200
Dimension (mm)	620x975x765	1100x1020x765	1300x1220x765	620x1070x765	1100x1170x925	1300x1270x925

Remarks: SRJxxM --- Eva temp: -10°C, Cond temp: 45°C, SRJxxL --- Eva temp: -30°C, Cond temp: 45°C

Roof Top Mono-blocks for cold rooms



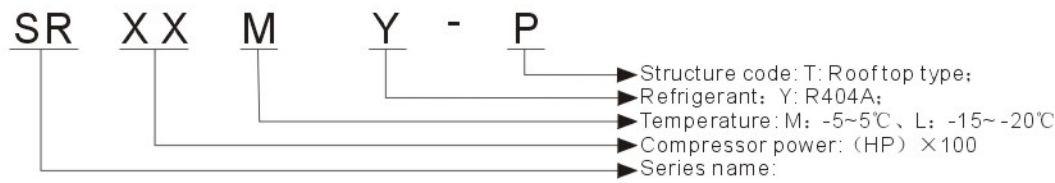
Product description

We have 2 sub series product of LYJ mono blocks, one is wall mounting type, and the other is roof top type or ceiling mounting type one. This manual is specially made for our roof top mono block series products, which can be used for small cold rooms of temperature of -5°C ~ 5°C or -15°C ~ -20°C, in hotels, restaurants, medicines, agricultural, chemicals industries all other place where cold storage is needed.

Features:

It is compact in structure, save installation space. That integrates evaporator, condenser, compressor, electrical control units into one compact body. With world famous brand hermetic compressors and refrigeration parts for all products; Heat exchangers with high efficient in grooved copper tube and aluminum fins; Intellectual controls with automatic temperature set, temperature control. Protection devices for over loading, sub-heating, lack of phase, high & low pressure etc.

Model code:



Specifications:

1. Rooftop type Specifications

Model	SRJ50MY-T	SRJ63MY-T	SRJ100MY-T	SRJ125MY-T	SRJ175MY-T	SRJ275MY-T	SRJ350MY-T	
Input (kW)	0.85	1.1	1.3	1.75	2.52	3.33	4.2	
Temperature (°C)	220V/1P/50HZ						380V /3P/50HZ	
Evaporator fan(W)	1x75	1x75	1x80	1x80	1x80	2x80	2x80	
Defrost type	Hot gas							
Throttling	Expansion valve							
Refrigerant	R404A							

Model	SRJ50MY-T	SRJ63MY-T	SRJ100MY-T	SRJ150MY-T	SRJ200MY-T	SRJ300MY-T
Capacity (W)	550	660	750	1050	1580	2060
Input (kW)	0.63	0.71	1.04	1.35	2.01	2.63
Power supply	220V/1P/50HZ			380V /3P/50HZ		
Temperature (°C)	-18~-20					
Condenser fan(W)	1x75	1x75	1x80	1x80	1x80	2x80
Evaporator fan(W)	1x75	1x75	1x80	1x80	1x80	2x80
Defrost type	Hot gas					
Throttling	Expansion valve					
Refrigerant	R404A					

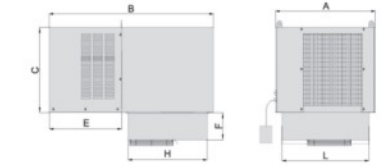
Note: The capacity test condition of LYJ × MY is: Te/Ta: -7°C/32°C. The capacity test condition of LYJ × LY is: Te/Ta: -25°C/32°C.

Overall and installation size

Model	LYJ50MY-T	LYJ63MY-T	LYJ100MY-T	LYJ125MY-T	LYJ175MY-T	LYJ275MY-T	LYJ350MY-T
A	580	580	760	760	760	1140	1140
B	1031	1031	1251	1251	1251	1251	1251
C	371	371	471	471	471	471	471
E	481	481	551	551	551	551	551
F	150	150	150	150	150	150	150
L	482	482	662	662	662	1042	1042
H	452	452	602	602	602	602	602

Model	LYJ50MY-T	LYJ63MY-T	LYJ100MY-T	LYJ150MY-T	LYJ200MY-T	LYJ300MY-T
A	580	580	760	760	760	1140
B	1031	1031	1251	1251	1251	1251
C	371	371	471	471	471	471
E	481	481	551	551	551	551
F	150	150	150	150	150	150
L	482	482	662	662	662	1042
H	452	452	602	602	602	602

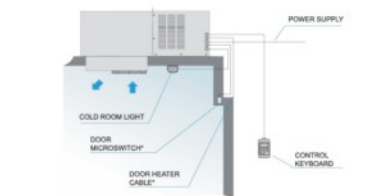
Overall sizes



Installation sizes



Installation



Electric Control Box



ECB-200

Specification:
 ◆Product size:360x250x150(mm)
 Technical parameter:
 ◆ Relative humidity: 20%~95% (No condensate)
 ◆ Power supply: 220VAC ± 10%、50~60Hz
 ◆ Temperature measuring and controlling range: -40°C~+50°C
 ◆ Resolution: ± 1°C
 ◆ Compressor output contact capacity: 7A/24VAC
 ◆ Defrosting output contact capacity: 7A/240VAC
 ◆ Temperature calibration range: ±5°C
 ◆ Alarm adjustable range when temperature exceeding limit: 0°C~20°C
 ◆ Defrost cycle: 0~99 hours adjustable
 ◆ Defrost time: 0~99 minutes adjustable

ECB-1000

Specification:
 ◆Product size:250x190x139(mm)
 Technical parameter:
 ◆Temperature measuring range:-40~+90°C
 ◆Return difference:1~15°C
 ◆Accuracy of temp.measurement and control:±1°C
 ◆Display accuracy:0.1°C
 ◆Compressor delay time:0~9 min.(adjustable)
 ◆Temperature calibration:-5~+5°C
 ◆Heating type: electric-heating and heating-pump adjustable
 ◆Compressor working time when sensor error:0~99min.
 ◆Compress end time when sensor error:0~99min.
 ◆Cooling relay output: 10A/220VAC
 ◆Heating relay output: 10A/220VAC
 ◆Sensor error or alarm output when exceeding temp. Limits:LED flashes

ECB-5080

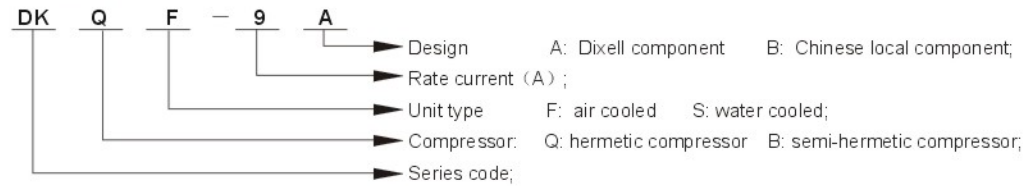
Specification:
 ◆Whole product size:300x420x150(mm)
 Technical parameters:
 ◆Temperature measuring range:-40°C~+50°C
 ◆Accuracy:±1°C
 ◆Displaying resolution:0.1
 ◆Defrosting cycle:0~99hours
 ◆Defrosting time:0~99minutes
 ◆Sensor temperature calibration:±5°C
 ◆Control channel: 3 channels (control compressor, fan and defroster respectively)
 ◆Input channel: 4 channels(1 channel for temp. Measuring sensor,3 channels for error monitoring)

DK series Cold Room Control Boxes

Product description

- The DK series Products can be used to all types of condensing units without electrical control produced by our company:
- 1) Specially designed for scroll compressors, semi-hermetic compressors of water cooled and air cooled units. They are reasonable and high reliability;
 - 2) 2 standard designs are available. A: Dixell controller and Schneider electrical component; B: Chinese local components;
 - 3) With functions of Digital temperature display, setting, automatic control, defrosting etc.
 - 4) Indicators of power supply, refrigeration, defrost, error alarm;
 - 5) Protections ability when phase lacking error, overheat, overload, over pressure etc;
 - 6) DKB series can connect with protection module of compressor, suitable for semi-hermetic compressors
 - 7) DKQ series are suitable for scroll compressors and hermetic compressors

Nomenclature



1. DKQF Type Control Box, Apply To Scroll And Hermetic Air Cooled Units.

Model	Power Supply	Power (KW)	Evaporator fan power(KW)	Defrost power (KW)	Overall size (mm) W×H×D	Suitable Unit (HP)
DKQF-9	380V/3 Phase	4.0	---	4.0	300×400×150	2~3HP
DKQF-12		5.5	---	5.5	300×400×150	4~5HP
DKQF-18		7.5	4.0	7.5	300×400×150	6~8HP
DKQF-25		11.0	4.0	11.0	400×500×200	9~10HP
DKQF-32		15.0	4.0	15.0	400×500×200	12~15HP

Note: Condenser fan paralleled compressor

2. DKQS Type Control Box, Apply To Scroll And Hermetic Water Cooled Units.

Model	Power Supply	Power (KW)	Evaporator fan power(KW)	Cooling pumps power(KW)	Defrost power (KW)	Overall size (mm) W×H×D	Suitable Unit (HP)
DKQS-9	380V/3 Phase	4.0	---	4.0	4.0	400×500×200	2~3HP
DKQS-12		5.5	---	4.0	5.5	400×500×200	4~5HP
DKQS-18		7.5	4.0	4.0	7.5	400×500×200	6~8HP
DKQS-25		11.0	4.0	4.0	11.0	400×500×200	9~10HP
DKQS-32		15.0	4.0	4.0	15.0	500×600×200	12~15HP

3. DKBF Type Control Box, Apply To Semi-Hermetic Air Cooled Units.

Model	Power Supply	Power (KW)	Evaporator fan power(KW)	Cooling pumps power(KW)	Defrost power (KW)	Overall size (mm) W×H×D	Suitable Unit (HP)
DKBF-9	380V/3 Phase	4.0	---	---	4.0	300×400×150	2~3HP
DKBF-12		5.5	---	---	5.5	300×400×150	4~5HP
DKBF-18		7.5	---	4.0	7.5	300×400×150	6~8HP
DKBF-25		11.0	---	4.0	11.0	400×500×200	9~10HP
DKBF-32		15.0	---	4.0	15.0	400×500×200	12~15HP
DKBF-50		11.0×2	4.0	4.0	22.0	600×800×200	20~30HP
DKBF-65		15.0×2	4.0	4.0	30.0	600×800×200	35HP
DKBF-80		18.5×2	4.0	5.5	37.0	600×800×200	40HP

4. DKBS Type Control Box, Apply To Semi-Hermetic Water Cooled Units.

Model	Power Supply	Power (KW)	Evaporator fan power(KW)	Cooling pumps power(KW)	Defrost power (KW)	Overall size (mm) W×H×D	Suitable Unit (HP)
DKBS-9	380V/3 Phase	4.0	4.0	4.0	4.0	400×500×200	2~3HP
DKBS-12		5.5	4.0	4.0	5.5	400×500×200	4~5HP
DKBS-18		7.5	4.0	4.0	7.5	400×500×200	6~8HP
DKBS-25		11.0	4.0	4.0	11.0	400×500×200	9~10HP
DKBS-32		15.0	4.0	4.0	15.0	500×600×200	12~15HP
DKBS-50		11.0×2	4.0	4.0	22.0	500×600×200	20~30HP
DKBS-65		15.0×2	4.0	4.0	30.0	600×800×200	35HP
DKBS-80		18.5×2	5.5	4.0	37.0	600×800×200	40HP

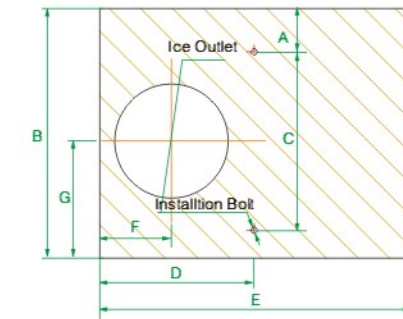
Note: 1) It is sub coil start type for models over DKBF (S) 50; 2)--- means no dependent contactor.

Flake Ice Machine (Air-Cooled)



FF2AR with CX800-D

Dimension Of Ice Outlet



Ice Outlet Dimensions Table

Model	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	Ice Outlet internal Dia.	Instillation Bol internal Dia.
FF0.4AR	87	700	395±1	432.5	1090	216.5	447	∅326	2-∅13
FF0.6AR	95	750	450±1	585	1250	419	430	∅326	2-∅13
FF1AR	150	1050	750±1	650	1320	300	490	∅480	2-∅16
FF1.2AR	150	1050	750±1	650	1320	300	490	∅480	2-∅16
FF1.5AR	150	1050	750±1	650	1320	300	490	∅480	2-∅16
FF2AR	150	1050	750±1	614	1600	295	490	∅480	2-∅16
FF2.4AR	150	1050	750±1	614	1600	295	490	∅480	2-∅16
FF3AR	150	1050	750±1	614	1600	295	490	∅480	2-∅16

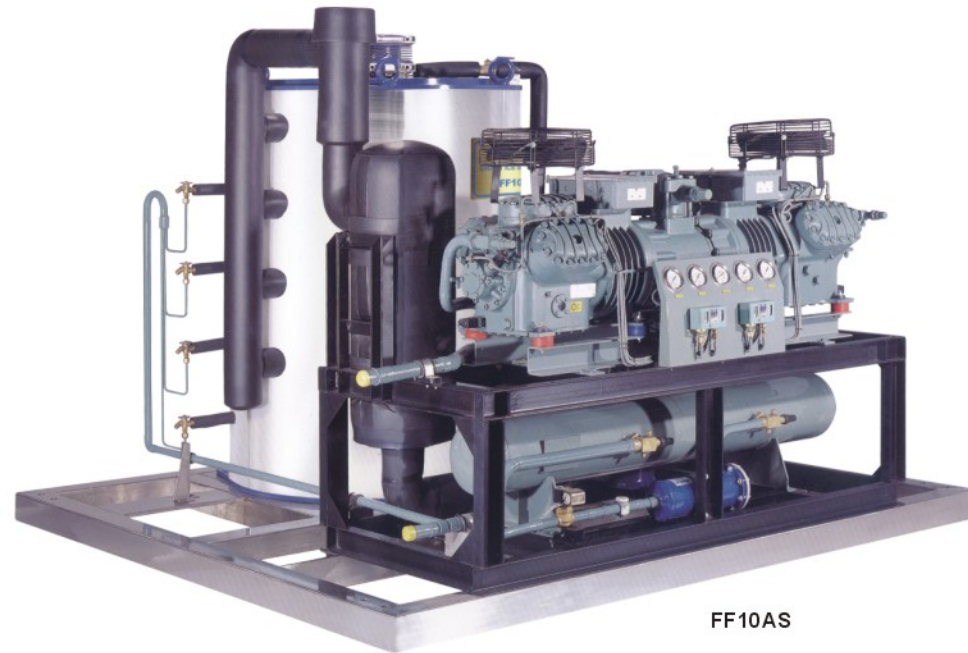
Technical Parameter

Model	Ice Capacity /24hour	Condenser	Power	Current Draw	Wiring	Water Demand	Supply Pipe Interface	Drainpipe external dia.	Net Weight
FF0.4AR	0.4T	Air-Cooled	1.6KW	3.75A	5×2.5mm ²	17L/H	3/4" GAS	21mm	180kg
FF0.6AR	0.6T	Air-Cooled	1.75KW	6.2A	5×2.5mm ²	25L/H	3/4" GAS	21mm	250kg
FF1AR	1T	Air-Cooled	3.4KW	11.5A	5×2.5mm ²	42L/H	3/4" GAS	21mm	315kg
FF1.2AR	1.2T	Air-Cooled	5.1KW	15A	5×2.5mm ²	50L/H	3/4" GAS	21mm	320kg
FF1.5AR	1.5T	Air-Cooled	6.7KW	16A	5×2.5mm ²	63L/H	3/4" GAS	21mm	380kg
FF2AR	2T	Air-Cooled	7.5KW	18.5A	5×4mm ²	85L/H	3/4" GAS	21mm	470kg
FF2.4AR	2.4T	Air-Cooled	9.8KW	21A	5×4mm ²	100L/H	3/4" GAS	21mm	550kg
FF3AR	3T	Air-Cooled	10.5KW	23A	5×4mm ²	125L/H	3/4" GAS	21mm	590kg

1. FF1AR-FF3AR condenser can be designed for outdoor installation.
2. Standard Condition: Ambient Temp. 25°C; Water Temperature. 15°C
3. Refrigerant: R22/R404A
4. Electrical voltage: 380V/50Hz/3N
5. Supply Water Pressure: 0.15-0.5Mpa

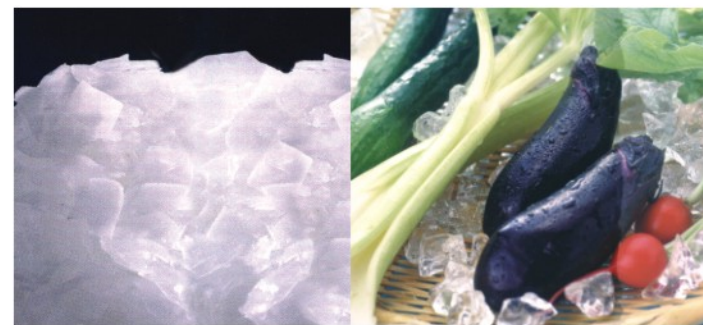
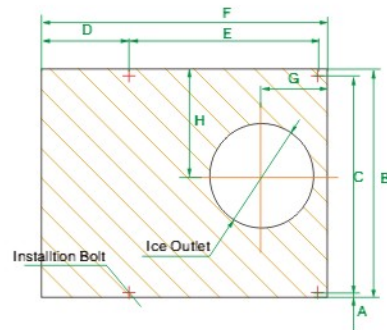
Technical data are subject to change without prior notice.

Flake Ice Machine (Water-Cooled)



FF10AS

Dimension Of Ice Outlet



Ice Outlet Dimensions Table

Model	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	Ice Outlet internal Dia.	Instllation Bol internal Dia.
FF5AS	50	1850	1750±1	250	1600±1	2100	560	840	∅900	4- ∅24
FF10AS	50	1850	1750±1	250	1600±1	2100	560	840	∅900	4- ∅24
FF15AS	50	1850	1750±1	250	1900±1	2400	560	775	∅900	4- ∅24

Technical Parameter

Model	Ice Capacity /24hour	Condenser	Gear Motor Power	Water Pump Power	Cooled Capacity	Water Demand	Supply Pipe Interface	Drainpipe external dia.	Net Weight	Condenser Weight
FF5AS	5T	Water-Cooled	370W	65W	28KW	208L/H	3/4" GAS	21mm	1500kg	250kg
FF10AS	10T	Water-Cooled	370W	65W	55KW	417L/H	3/4" GAS	21mm	2500kg	450kg
FF15AS	15T	Water-Cooled	370W	250W	82KW	625L/H	3/4" GAS	21mm	3500kg	600kg

- Standard Condition: Ambient Temp. 25°C; Water Temperature. 15°C
- Refrigerant: R22/R404A
- Necessary Refrigeration : Condenser Temperature 40°C. Evaporation Temperature-22°C
- Supply Water Pressure: 0.15-0.5Mpa
- Power Supply: 380V/50Hz/3N

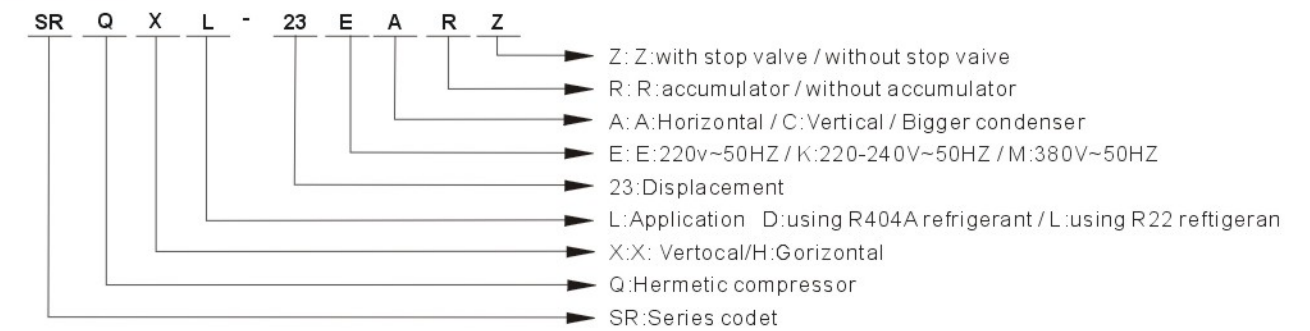
Technical data are subject to change without prior notice.

Condensing unit instruction

Applications:

applied to commercial freezing coldstorage showcase ,kitchen equipment,refrigeration storeroom ,vehicle refrigerationequipment and other refrigeration equipments.

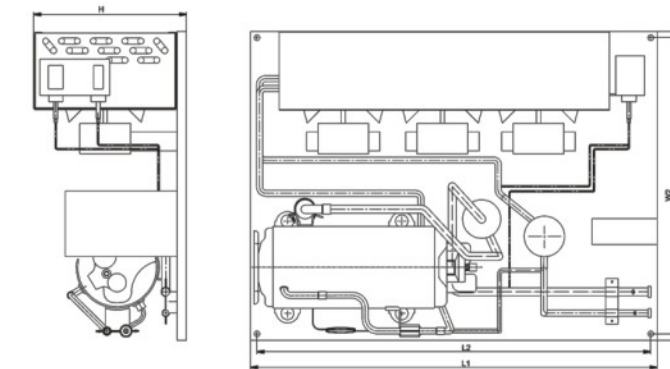
Nomenclature



Condensing unitis:

- ◆ using high efficiency rotary compresor and motor,it can save more than 10% energy.
- ◆ operates with R22 and environmental friendly refrigerant HFC 404A.Evaporating temperature isform-5°C to -40°C condensing unit can work unti 275mm,provide more effective volume in the showcase.
- ◆ the total height of the unit 275mm,provide more effective volume in the showcase.
- ◆ horizontal rotary compressor makes condensing unit more compact
- ◆ voltage range is 187v~240v.
- ◆ compressors are able to work continuously under high-temperature condition.liquid injectioncooling technology reduces compressor temperature,protective parts enable the unit more reliable.

Dimension drawing



Dimension table

Model	L1 (mm)	L2 (mm)	W1 (mm)	W2 (mm)	H (mm)
SRQHL-13EBR	720	700	480	460	275 ± 5
SRQHL-16EBR	720	700	500	480	275 ± 5
SRQHL-23EBR	790	770	520	500	275 ± 5
SRQHL-30EBR	940	920	520	500	275 ± 5
SRQHL-36EBR	1145	1115	520	490	275 ± 5
SRQHD-13KARZ	640	620	485	465	275 ± 5
SRQHD-16KARZ	680	660	485	465	275 ± 5
SRQHD-23KARZ	790	770	520	500	275 ± 5
SRQHD-30KARZ	940	920	520	500	275 ± 5
SRQHD-36KARZ	1145	1115	520	490	275 ± 5

SECTION I



- ▶ Flexible Duct
- ▶ Air Diffuser & Grilles
- ▶ Damper
- ▶ Pipe Clamp

SINO-RESOURCE GROUP
 FL9, Wenhua Mansion No. 488 Zhenming Rd. Ningbo, China
 Website: www.favorcool.com
 Tel: +86 574 87194796, 87293453
 Fax: +86 574 87307052, 87317736
 E-mail: favorcool@sino-resource.com

Aluminium Flexible Duct

Duct Material	Aluminum/ Polyester
Standard Length	10m
Compressed Length	0.4m / 0.6m
Diameter Range	82mm / 610mm
Temperature Range	-30 /+140
Maximum Air Velocity	30m / Secretary (5906ft/min)
Max. Positive Working Pressure	2500 pa
Packing	Individual Carton



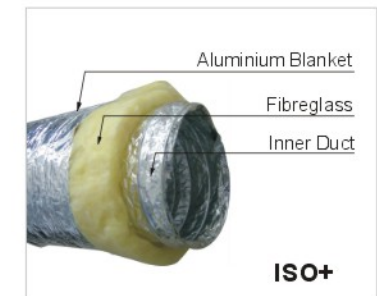
Combined Flexible Duct

Duct Material	Aluminum/ Polyester/PVC
Standard Length	10m
Compressed Length	0.4m / 0.6m
Diameter Range	82mm / 508mm
Temperature Range	-30 /+140
Maximum Air Velocity	30m / Secretary (5906ft/min)
Max. Positive Working Pressure	3000 pa
Packing	Individual Carton



Insulated Flexible Duct

Outer Jacket	Aluminum/ Polyester
Standard Fiberglass Color	Yellow
Fiberglass Density	16/m ³
Fiberglass Thickness	25mm
Standard Length	10m
Compressed Length	1m / 1.2m
Diameter Range	82mm / 560mm
Temperature Range	-30 /+140
Maximum Air Velocity	30m / Secretary (5906ft/min)
Max. Positive Working Pressure	2000 pa
Packing	Individual Carton



Silent Insulated Flexible Duct

Outer Jacket	Aluminum/ Polyester
Standard Fiberglass Color	Yellow
Fiberglass Density	16/m ³
Fiberglass Thickness	25mm
Standard Length	10m
Compressed Length	1m / 1.2m
Diameter Range	82mm / 560mm
Temperature Range	-30 /+140
Maximum Air Velocity	30m / Secretary (5906ft/min)
Max. Positive Working Pressure	2000 pa
Packing	Individual Carton



A series
B series
C series
D series
E series
F series
G series
H series
I series



SLEEVE+

Thermal Insulation Sleeves

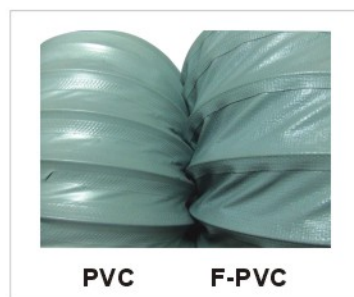
Outer Jacket	Aluminium/ Polyester
Standard Fiberglass Color	Yellow
Fiberglass Density	16kg/m ³
Fiberglass Thickness	25mm
Standard Length	10m
Diameter Range	82mm / 560mm



SEMI+

Semirigid Flexible Duct

Duct Material	Aluminium/ Polyester
Thickness Of Aluminium	0.08mm
Standard Length	3m
Compressed Length	1m
Diameter Range	50mm / 315mm
Temperature Range	-30 /+250
Maximum Air Velocity	25m / Sec (4922ft/min)
Max. Positive Working Pressure	2000 pa
Packing	Bulk Carton



PVC F-PVC

Fabric PVC

F-PVC+ (Fabric PVC) is a flexible ducting with a reinforced F- PVC+ polyester fiber cloth with an encapsulated high tensile steel wire helix. The F-PVC+ is suitable for the more demanding applications where a strong mechanical product is needed. Diameter available from 4" ~ 12".

PVC+(Pure PVC Flexible Duct) is made of PVC foil, and it is thinner than the F-PVC+, also the price is more favourable.

Standard Length	10m
Compressed Length-PVC	0.5-0.6m
Compressed Length-F-PVC	0.8-1m
Temperature Range	-30 /+140
Maximum Air Velocity	30m / Sec (5906ft/min)
Max. Positive Working Pressure	3000 pa
Packing	Individual Carton



PET+

PET Flexible Duct

PET+ (PET Flexible Duct) is a double-layer polyethylene agglutinated to the helix steel wire. It can be applied in the HVAC line ,with its durable character and low cost, it is popular all over the world. Diameter available from 4"-16" (100mm-400mm). Its standard length is 10 meter, and it can be compressed to 0.2-0.4meter.

Duct Material	Polyester
Standard Length	10m
Compressed Length	0.1/0.15m
Diameter Range	82mm / 508mm
Temperature Range	-40 /+120
Maximum Air Velocity	30m / Sec (5906ft/min)
Max. Positive Working Pressure	3000 pa
Packing	Individual Carton

Square Air Diffuser

Model: SD-01

Material: Aluminum.

Frame Thickness: 1.0/1.2mm.

Color: Powder coated white or anodized

◇ Used for the supply and exhaust of cooled and heated air.

◇ The centre core is removable for easy maintenance.

Neck Size(mm)	Larynx Size	Overall Size(mm)
150 x 150	220 x 220	295 x 295
225 x 225	295 x 295	370 x 370
300 x 300	370 x 370	445 x 445
375 x 375	445 x 445	520 x 520
450 x 450	520 x 520	595 x 595



Swirl Air Diffuser

Model: SD-02

Material: Cold rolled sheet steel

Frame Thickness: 1.0mm.

Features:

◇ A high-quality diffuser to generate airflow according to the principle of turbulent mixing air flow Painted with white RAL9010 or 9016.

◇ Low sound power level and pressure loss.

◇ Installation: suspended false ceiling or below closed false ceiling.

Neck Size(mm)	Larynx Size	Overall Size(mm)
595 x 595	--	595 x 595



Round Air Diffuser

Model: RD-01

Material: Fe.

Features:

◇ Used for air in and out.

◇ Suitable for offices and houses, can be easily installed no the wall or in the ceiling.

◇ The valve body is equipped with a cellular plastic gasket to form an air-tight seal.

◇ The airflow is adjusted by rotating the control disc.

◇ Diameter available (neck sizes): 100mm, 125mm, 150mm, 160mm and 200mm, etc.



Round Air Diffuser

Model: RD-02

Material: Aluminum.

Frame Thickness: 1.0mm.

Features:

◇ Used for the supply and exhaust of cooled and heated air.

◇ Fixing on the ceiling of senior hotel, supermarket, and airport, ect.

◇ Assembled before powder coated or anodized.

◇ The centre core is removable for easy maintenance.

◇ Be together with integral butterfly volume damper made of plastic.

Neck Size(mm)	Larynx Size	Overall Size(mm)
150	210	260
200	260	310
250	310	360
300	360	410
350	410	460



Ball Spout

Model: BS-01

Material: Aluminum Alloy

Features:

- ◇ Mainly used for the airport, theater and museum, etc.
- ◇ Excellent appearance, long space of airflow and low noise
- ◇ Airflow direction can be adjusted manually or electrically
- ◇ Plastic spraying, outside color can be in harmony with architecture requirements.
- ◇ Diameter available: 200mm, 250mm, 315mm and 400mm.



Square Air Diffuser

Model: SD-03

Material: Aluminum

Frame Thickness: 1.0mm

Features:

- ◇ Be used with large floor to ceiling heights .e. g. factories, airport terminals, theatres and banking halls, etc.
- ◇ Adjustable vanes and outer discharge nozzle.
- ◇ The discharge angle can be altered horizontally 45° or vertically.
- ◇ The face is in galvanized sheet steel, and the outer discharge nozzle is deep drawn aluminum.
- ◇ Be together with plenum box.
- ◇ Be mounted flush in a ceiling or suspended in free space.
- ◇ Diameter available: 200mm-1200mm.



Egg Grille

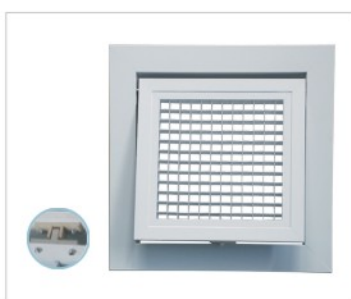
Model: EG-01

Material: Aluminum

Frame Thickness: 1.2mm

Features:

- ◇ Designed for return air with filter.
- ◇ Removable or hinged cores for easy access to maintenance of filter inside
- ◇ 15*15mm or 12.7*12.7mm square lattice core.
- ◇ High free area: 90%
- ◇ Different sizes can be produced on your request.



Specification(mm)	Neck Size(mm)	Overall Size(mm)
300×300	280×280	332×332
500×500	480×480	532×532
565×565	545×545	597×597

Double Grille For Spiral Duct

Model: DGD-01

Material: Galvanized steel sheet

Frame Thickness: 0.8mm

Features:

- ◇ Installed directly on a circular duct without frames or other fastening devices.
- ◇ Used for large locations: e.g. in warehouse, factories, workshops, gymnasiums etc.
- ◇ The vanes can be adjusted manually and individually to obtain an optimal air distribution.



Specification(mm)	Neck Size(mm)	Overall Size(mm)
425×75	405×55	454×104
525×125	505×105	554×154
625×175	605×155	654×204
825×225	805×205	854×254
1025×425	1005×405	1054×454

Single Deflection Grille

Model: SDG-01

Material: Aluminum

Frame Thickness: 1.2mm

Features:

- ◇ Airfoil blade type.
- ◇ Removable grille core.
- ◇ Used for ceiling or sidewall application.
- ◇ Available with opposed blade damper.

Specification(mm)	Neck Size(mm)	Overall Size(mm)
200×100	181×81	232×132
250×150	231×131	282×182
300×200	281×181	332×232
350×250	331×231	382×282
...
1000×600	981×581	1032×632



Linear Slot Diffuser

Model: LSD-01

Material: Aluminum

Features:

- ◇ LSD diffusers are designed for variable air volume systems.
- ◇ Both the directions and volume of the discharged air can be adjusted by moving the pattern controllers.
- ◇ Full 180 pattern controller adjustment means there is no “left” or “right” specifying, ordering and installing are simplified.
- ◇ Available with 1-6 slots.
- ◇ Ideal for continuous length application.

Number of Slot	Overall Size(mm)	Larynx Size(mm)
2 Slots	130×1022	990×102
3 Slots	175×1022	990×145
4 Slots	220×1011	990×190



Pipe Clamp

DF-1002				
Use Area	Bandwidth(mm)	Package Size(cm)	pcs/ctn	Weight (kgs)
8-12mm	9	40x27x10	1000	10
10-16mm		40x27x13	1000	10.5
12-22mm		40x27x14	1000	11
16-27mm		40x27x17	1000	11.7
23-35mm		40x27x21	1000	12.6
25-40mm		40x27x25	1000	13.7
30-45mm		40x27x29	1000	14.4
32-50mm		40x27x21	500	7.6
40-60mm		40x27x26	500	8.3
50-70mm		55x27x31	500	9
60-80mm		55x27x36	500	9.8
70-90mm		55x26x31	500	10.5
80-100mm		55x26x34	500	10.8
90-110mm		55x26x37	500	11.5
100-120mm		55x26x20	250	6.3
110-120mm		55x26x22	250	6.6
120-140mm	55x26x24	250	7	
130-150mm	55x26x26	250	7.5	
140-160mm	55x26x26	250	8	





DF-1007(3M-8PC)			
Use Area	Package Size(cm)	pcs/ctn	Weight (kgs)
8mm	59x27.5x18	100	16.5
12.7mm	60x30x30	100	24



DF-1002						
Model	Specification	Use Area	Bandwidth (mm)	Package Size(cm)	pcs/ctn	Weight (kgs)
#16	1-1/2"	21-38mm	12.7	50x30x24	1000	21
#20	1-3/4"	21-44mm		50x30x17	500	11
#24	2"	27-51mm		50x30x21	500	11.5
#28	2-1/4"	33-57mm		50x30x24	500	1
#32	2-1/2"	40-63mm		50x30x27	500	12.5
#36	2-3/4"	46-70mm		50x30x31	500	13
#40	3"	52-76mm		50x30x34	500	14
#44	3-1/4"	59-82mm		50x30x37	500	14.5
#48	3-1/2"	65-89mm		50x30x41	500	15
#52	3-3/4"	72-95mm		50x30x44	500	15.5
#56	4"	78-101mm		50x30x47	500	16
#60	4-1/4"	84-108mm		50x30x50	500	16.5
#64	4-1/2"	91-114mm		50x30x26	250	8.7
#68	4-3/4"	95-120mm		50x30x30	250	9.1
#72	5"	105-127mm	50x30x34	250	9.5	
#80	5-1/2"	118-140mm	50x30x40	250	10.3	
#88	6"	130-152mm	50x30x46	250	11.1	
#92		133-159mm				
#96	6-1/2"	143-165mm		50x30x50	250	11.8
#100		146-171mm				
#104	7"	155-178mm		50x40x42	250	12.6



DF-3001							
Reference	No.	Size(mm)	Inch	Reference	No.	Size(mm)	Inch
109015	15	12-16	-	109125	125	125-130	-
109018	18	15-19	3/8"	109133	133	132-137	-
109022	22	20-25	1/2"	109140	140	138-142	5"
109028	28	26-30	3/4"	109150	150	148-152	-
109035	35	32-36	1"	109160	160	159-166	6"
109040	40	38-43	1 1/4"	109200	200	200-212	-
109048	48	47-51	1 1/2"	109220	220	215-226	-
109054	54	53-58	-	109250	250	248-252	-
109060	60	60-64	2"	109315	315	312-318	-
109070	70	68-72	-	109355	355	352-358	-
109075	75	75-80	2 1/2"	109400	400	395-405	-
109083	83	81-86	-	109450	450	446-456	-
109090	90	87-92	3"	109500	500	496-506	-
109100	100	99-105	3 1/2"	109560	560	556-566	-
109110	110	107-112	-	109630	630	626-636	-
109115	115	113-118	4"				

MAT+

Common Centrifugal Glass Wool

- ◇ It is widely applied for the application of the heat insulation and noise absorbing for building construction. Optional colors: yellow, red.
- ◇ Different colors get different prices.

Density kg/m ³	10	12	14	16	20	24	32
---------------------------	----	----	----	----	----	----	----



E-MAT+

Environmental-protection Glass Wool E-MAT+

Color: White

Character: non- formaldehyde, environmental-protection.

- ◇ It is widely applied for the application of the heat insulation and noise absorbing for building construction.

	Thickness mm	Length mm	Width mm
10-48	25, 50, 75, 100	5500, 11000, 20000	1200
10-48	25, 50, 75, 100	1200	600



BOARD+

Common Centrifugal Fibreglass Wool Boards

Color: Yellow

- ◇ It is widely applied for the application of the heat insulation and noise absorbing for building construction.

Density kg/m ³	Thickness mm	Length mm	Width mm
24	25, 30, 40,	1200	600
24	50, 75, 100		
28	20, 25, 30,		
32	40, 50, 75		
36			
40	15, 20, 25, 30,		
44	40, 50, 75		
48			
60			
64			
80	15, 20, 25, 30,		
96			



E-BOARD+

Environmental-protection glass wool Board E-BOARD+

Color: White

Character: non- formaldehyde, environmental-protection.

- ◇ It is widely applied for the application of the heat insulation and noise absorbing for building construction.

Density kg/m ³	Thickness mm	Length mm	Width mm
24-120	10-100	1200-2000	600

