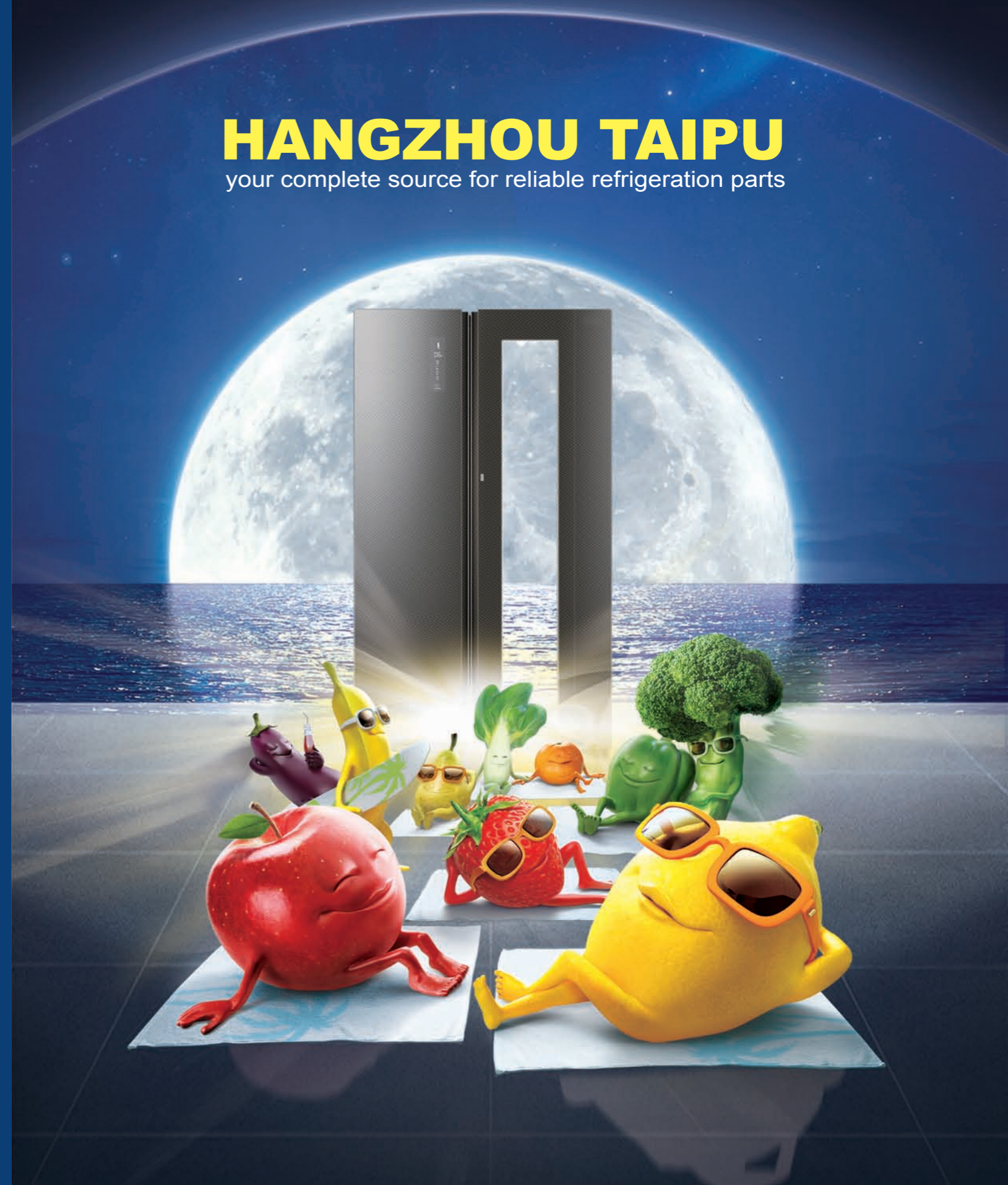


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YOUR COMPLETE SOURCE FOR RELIABLE REFRIGERATION PARTS



>> **01** CONDENSER AND EVAPORATOR

>> **20** THERMOSTAT BOX

>> **44** FAN MOTOR AND ACCESSORIES

>> **66** MACHINES
vacuum forming machine
welding machine/injection machine
gasket extrusion line

>> **08** GLASS DOOR

>> **26** DOOR HANDLES, LOCKS

>> **48** COLD ROOM ACCESSORIES

>> **72** STEEL COIL AND STEEL SHEET

>> **12** LED LIGHTS

>> **32** FILTER DRIER AND ACCUMULATORS

>> **53** COMPRESSOR

>> **80** OTHERS
welding rod / welding rings
float switch / refrigerant

>> **18** THERMOSTAT

>> **40** TUBING
copper tubing / steel tubing

>> **58** CHEMICAL
pvc granules / gasket granules
abs / hips / gpps plastic

PIPE ON SHEET EVAPORATOR

Product name: Pipe on sheet Evaporator

Performance characteristics: large refrigerating capacity, high cooling speed and convenient installation; good compression performance and strong corrosion resistance of pipeline.

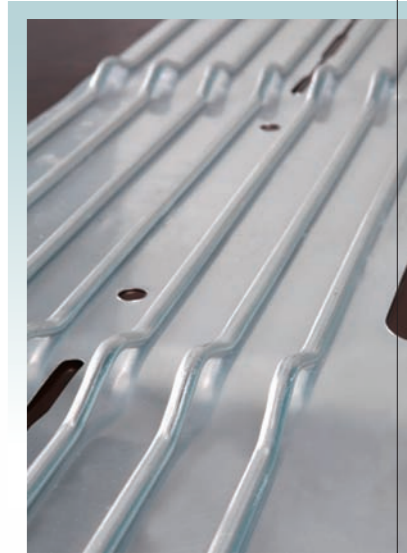


GLUED EVAPORATORS

Product name: Glued Evaporators

Performance characteristics:

large tube sheet contact surface, high refrigeration efficiency and cooling speed; beautiful, luxurious and neat appearance.



ROLL-BOND EVAPORATOR

Product name: Roll-bond evaporator

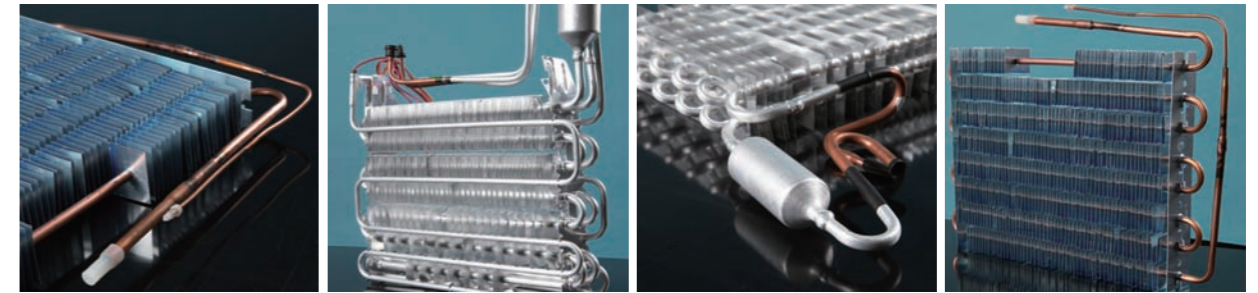
Performance characteristics: Aesthetic design, reasonable structure, high efficiency, corrosion resistance, low cost and convenient modifications



NON-FROST EVAPORATOR /CONDENSER

Product name: Non-frost Evaporator/Condenser

Performance characteristics: Use aluminum tube aluminum sheet and cooper tube aluminum sheet, formed by expended tube with the characteristics of small volume, large contact area and remarkable effect.



WINDING CONDENSER

Product name: Winding condenser

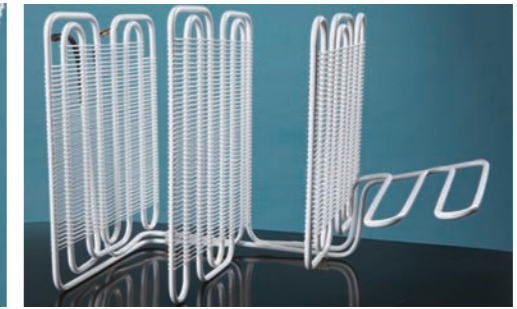
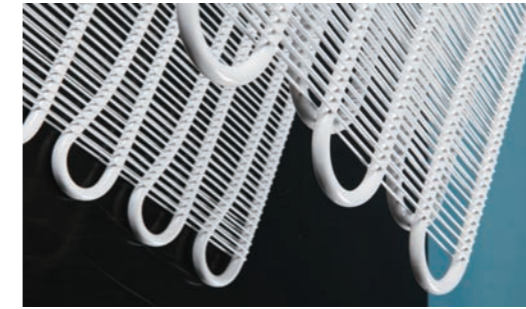
Performance characteristics: Compact structure, beautiful appearance, durable, easy installation and wonderful heat dissipation effect.



WIRE ON TUBE EVAPORATORS /CONDENSER

Product name: Wire on tube evaporators/condenser

Performance characteristics: High heat conduction efficiency, low energy consumption and noise; beautiful appearance, durable and high operation environment temperature.



CANTED NON-FROST EVAPORATOR

缺图片

TUBE PLATE CONDENSER (SPIRAL CONDENSER)



170x170x183



260.35x260.35x182



185x185x180



185x185x116



204x120x116



204x120x180



WINE COOLER GLASS DOOR

Frame:

Upper and lower side: ABS injection and logo printed by serigraphy.

Left and right side: aluminum or PVC

Surface finish: anodized or painting

Glass combination: double Low-e toughened glass with argon gas.

Application: Wine cooler



CURVED GLASS DOOR

Frame: Upper and lower side is ABS injection, left and right side is PVC extrusion.

Dimension: Width: 498mm and 545mm, height is adjustable





STAINLESS FRAME GLASS DOOR

Frame: 304 stainless steel

Dimension: Customized

Technology: corner assembled by welding

Surface finish: brushing or anti-nail press process

Glass: tempered glass with bronze color or transparent



GLASS DOOR WITH SILK SCREEN PROCESS

Frame: PVC or aluminum

Dimension: It's up to you

Glass combination: outer glass is tempered glass with silk screen printing

Superiority: silk screen glass make the door graceful and rise the freezer's grade.

Option: handle



COUNTER TOP GLASS DOOR

Pattern: silk screen or adhesive sticker on the glass



SLIDING GLASS DOOR

Combination: sliding outer frame and sliding glass door.

Superiority: convenient and practical, and provide a clear and big display platform for commodity

Application: Sliding glass doors are wide used for beverage cooler, wine chiller and dish-order cabinet



DISPLAY COOLER GLASS DOOR

Frame: left and right side is PVC extrusion, upper and lower side if ABS injection

Surface finish: painting with silver color



DISPLAY COOLER GLASS DOOR

Frame material: PVC or aluminum

Dimension: Customized

Glass combination: two layers or three layers

Superiority: not only keep warm in freezer body, but also display the inside commodity clear

Application: widely applied for beverage cooler and bottle cooler



HEATING GLASS DOOR

Why is the door using heating glass?

- At usually, condensation always appeared on the glass surface at a big temperature and humidity difference environment, in order to solve this issue, it's better to choose this kind of heating glass door, it not only anti fog but also keep good performance.
- you can choose the PVC or aluminum as door frame, we can adjust the voltage to your country standard.



GLASS DOOR FOR KITCHEN FITTINGS

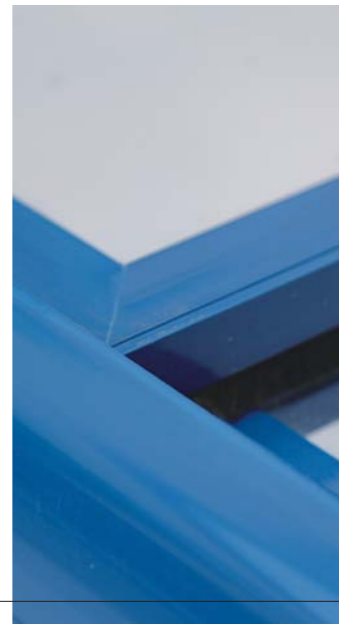
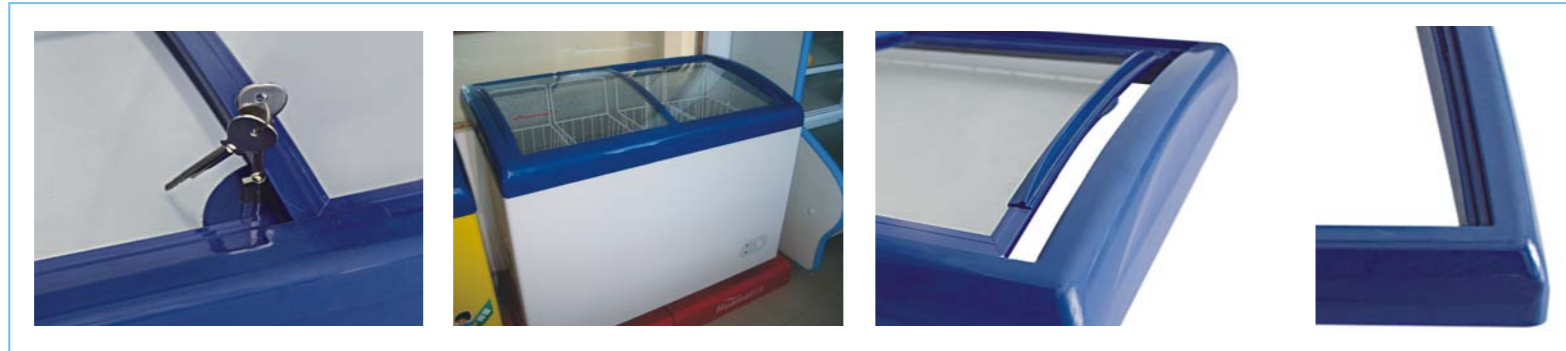
- Frame: Aluminum
- Surface finish: anodized or brushing, withing stainless texture
- Dimension: Customized
- Glass combination: double or three layers for your option
- Application: Kitchen fitting



COMPLETE CURVED GLASS DOOR WITH OUTER FRAME

Outer frame: injection
Glass: curved Low-e glass

Two size: 1294*598 and 1094*598mm
Option: Keylock



COMPLETE CURVED GLASS DOOR WITH OUTER FRAME

Outer frame: Assembled by ABS injection and PVC extrusion
Dimension: Width is 662mm, the length is adjustable
Glass: curved Low-e glass
Option: Keylock

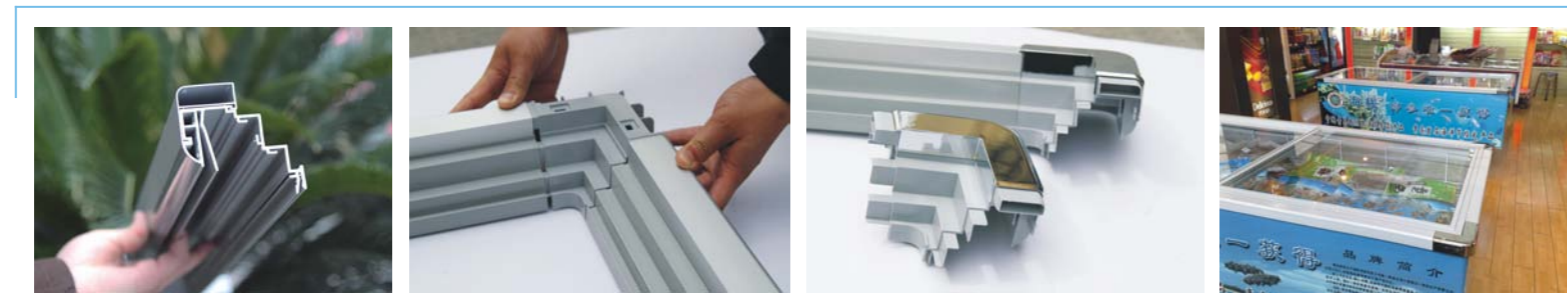


GLASS DOOR WITH OUTER FRAME FOR ISLAND FREEZER

Outer frame: outer profile aluminum & inner profile plastic, connected by four corner

Available in any size

Glass: Low-e tempered glass



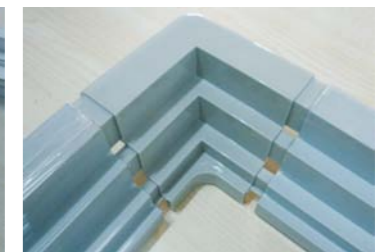
GLASS DOOR WITH OUTER FRAME FOR ISLAND FREEZER

Frame: PVC extrusion

Dimension and color: Customized

Glass combination: Low-e glass(single layer)

Joint corner: ABS injection with normal color, special surface finishing like chromed if you like

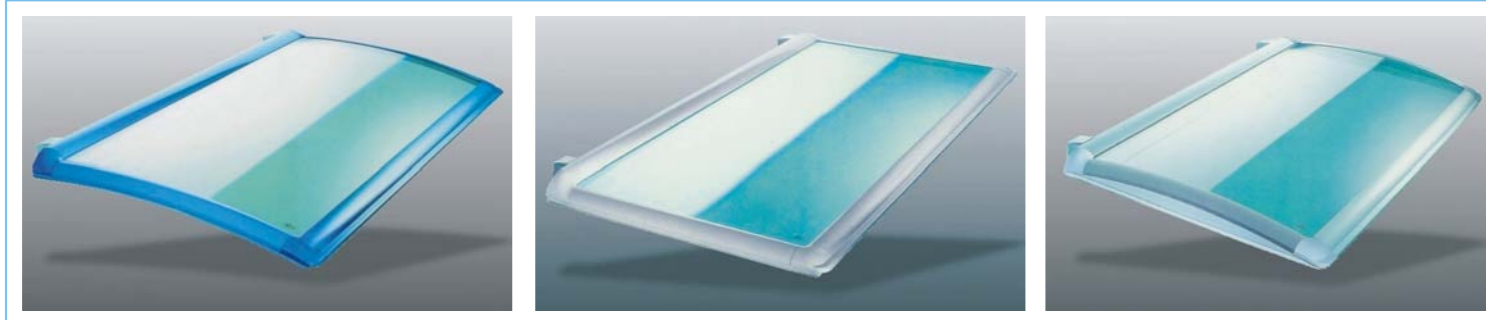


LIFT-UP GLASS LIDE FOR TOP FREEZER

Frame: Aluminum

Joint corner: ABS injection with chromed finishing

Feature: big visual area, and appearance is smart, the dimension as per your requirement



COMPLETE SOLUTIONS FOR GLASS DOOR FOR ISLAND CASE

Material: extrusion PVC frame with aluminium profile cover, 4 corners with Chrome plated finish

Glass: 4mm curved LOW-E glass

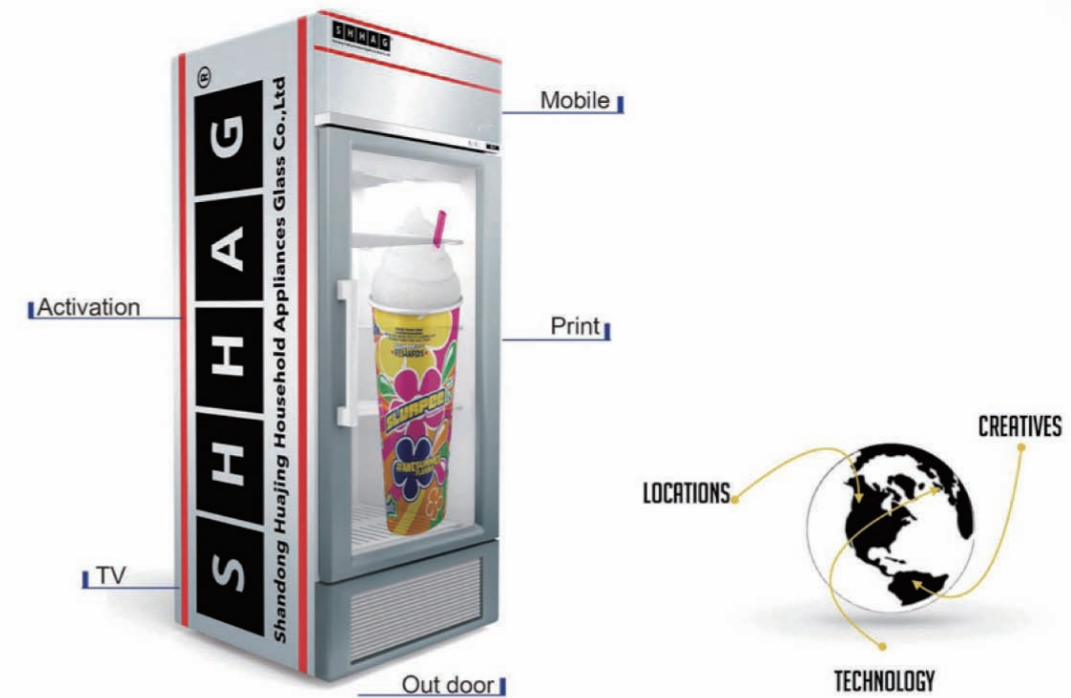
Sizes: could be customized as per customer's requirement



TRANSPARENT DISPLAY DOOR

Transparent display refrigerator door

- SHHAG Transparent Refrigerator door is designed for indoor use at convenience and grocery stores. This "high-performance" Digital TLCD Display replaces the conventional door glass with a transparent display assembly that allows for normal viewing through the glass, but with the ability to run video content in a "see through" manner.
- This innovative product has been developed by SHHAG.
- The SHHAG Refrigerator Display System is comprised of three major components:
 - ① The transparent LCD
 - ② A direct replacement LED lighting system, including required power supplies, mounted on the rear of the cooler door frame which provides sufficient front illumination of the merchandise displayed in the cooler to make it highly visible thru the TLCD.
 - ③ The SHHAG CMS Server.



TRANSPARENT DISPLAY DOOR

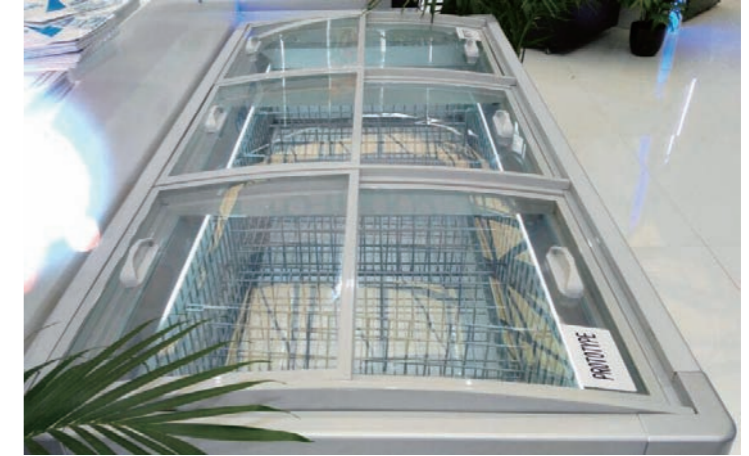
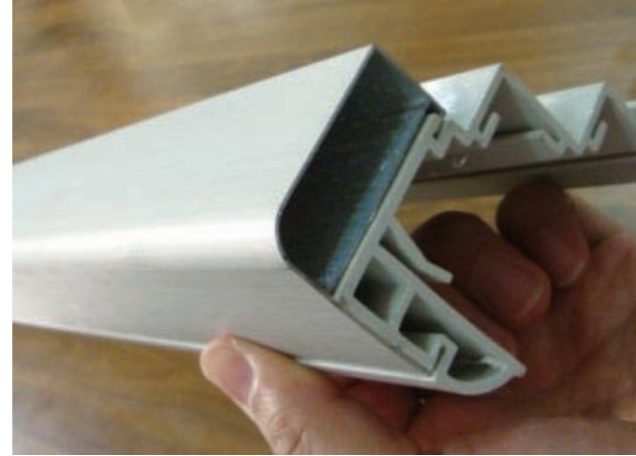
Technical Specification

- This double hollow glass door with TLCD is three piece of glass double hollow structure.
- The 1st and 3rd pieces glass are clear tempered glass with black silk screen in 3.2mm thickness.
- The middle glass is 4mm Low E glass with electric heating.
- By adjusting the heating power, we can ensure that the hollow glass door is not dewing at -25 degree.
- 3.2mm clear float empered glass with black printing + 6A aluminum strip(2 sets)+TLCD.
- +4mm Low-E tempered glass with electric heating + 6A aluminum strip(2 sets)+3.2mm clear float tempered glass with black printing.
- Total thickness of double hollow glass is 24mm.
- Total thickness of glass door with aluminum frame is 47mm.

The Glass Door Frame are the sand surface oxidation of aluminum malloy frame, Top and bottom gate shaft is aluminum malloy, date cables and electric hearing wires from door to door shaft.

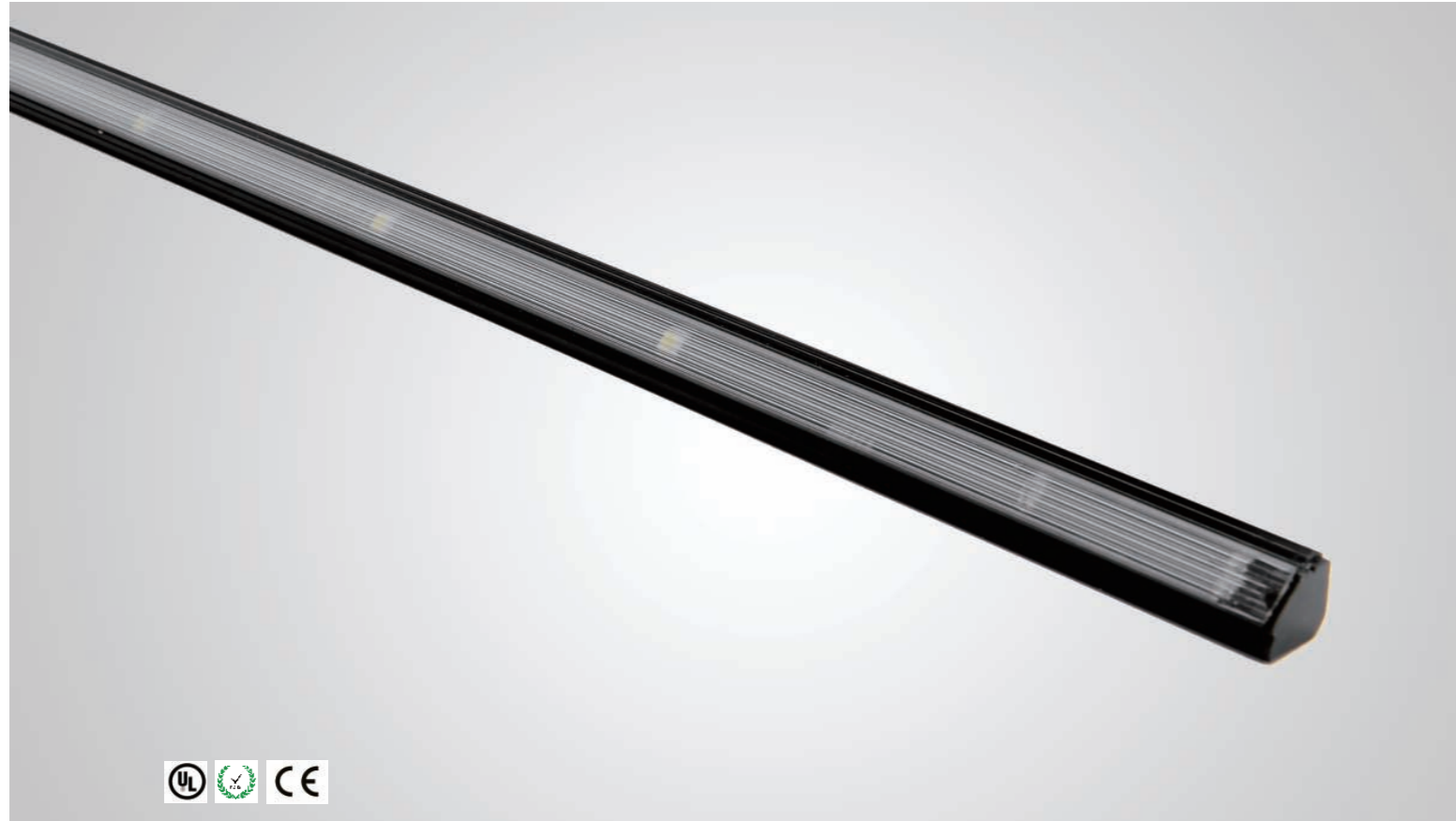
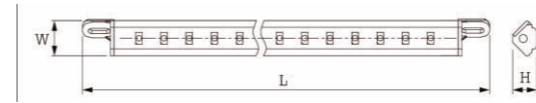
NEW ALUMINIUM PVC FRAME FOR 2500MM FREEZER

缺文字



CDBP1 LED FREEZER LIGHT

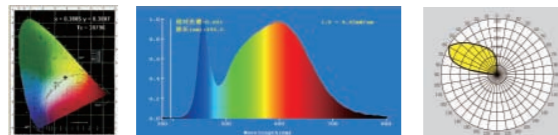
Dimensions



Install

Features

- PVC cover with internal teeth for even lighting distribution.
- Beam Angle: 120°.
- Use external power supply, DC12V design for safe and reliable.
- Lamp is small and light, back with double-side tape, easy to install.
- Body and cover integrally moulded, better waterproof and dustproof effect.
- Working life time > 50000hrs, energy-saving 80%.
- No UV or RF interference. No mercury, ROHS compliant.
- Apply to Beverage cooler and Vending machines etc.



Specifications

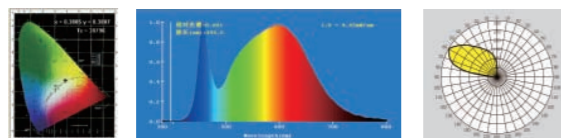
Model(length)	CDBP1- L/R (300*15.6*10mm)	CDBP1- L/R (600*15.6*10mm)	CDBP1- L/R (1200*15.6*10mm)		
Power(W)	1 W	1.5 W	3 W		
	3W(optional)	6W(optional)	12W(optional)		
Lumen(Lm)	95Lm	135Lm	265Lm		
	215Lm (optional)	425 Lm (optional)	850Lm (optional)		
LED Type and Qty	12pcs*SMD2835	18pcs*SMD2835	36pcs*SMD2835		
	18 pcs*SMD2835(optional)	36pcs*SMD2835(optional)	72pcs*SMD2835(optional)		
Operating Temperature	Material of Housing		Material of Lens	Degree of protection	
-20 C~40 C	PVC		PVC	IP65	
Rated Voltage	Color Temperature		Life(hours)	CRI	Body color
DC12V /DC24V (optional)	3000K-6500K		50000h	≥80	Black

CDBC1 LED FREEZER LIGHT

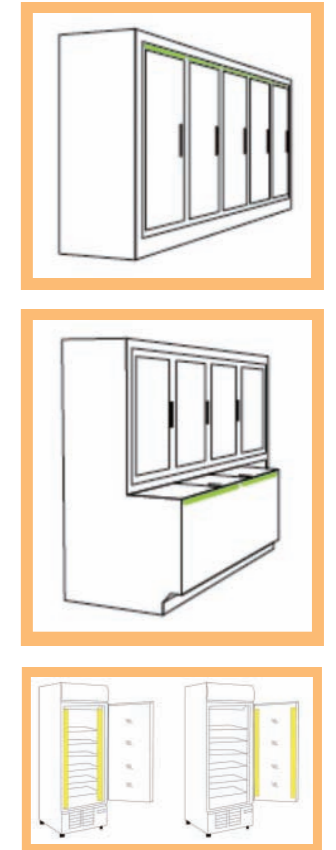


Features

- Use lens design to concentrate the LED beam angle, improve the light distribution while reducing glare.
- Available in customized length.
- Lamp is small and light, back with double-side tape , easy to install and disassemble.
- Lamp body integrally moulded, IP 65 protection against dust and water
- Working life time>50000hrs, energy-saving 80%.
- No UV or RF interference. No mercury, ROHS compliant.
- Apply to Beverage cooler and Vending machines etc.



Dimensions



Install

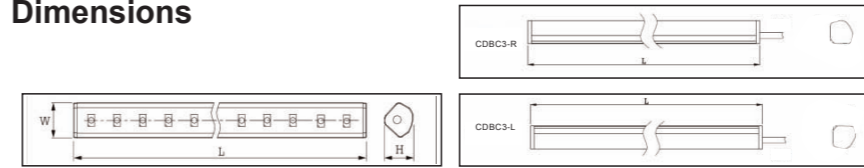
Specifications

Model(length)	CDBC1- L/R (300*14.5*12.5mm)	CDBC1- L/R (600*14.5*12.5mm)	CDBC1- L/R (1200*14.5*12.5mm)		
Power(W)	1 W	1.5 W	3 W		
	3 W(optional)	6 W(optional)	12 W(optional)		
Lumen(Lm)	95 Lm	135 Lm	265 Lm		
	215Lm (optional)	425 Lm (optional)	850 Lm (optional)		
LED Type and Qty	12pcs*SMD2835	18pcs*SMD2835	36pcs*SMD2835		
	18 pcs*SMD2835(optional)	36pcs*SMD2835(optional)	72pcs*SMD2835(optional)		
Operating Temperature	Material of Housing		Material of Lens	Degree of protection	
-20℃~40℃	PVC		PVC	IP65	
Rated Voltage	Color Temperature		Life(hours)	CRI	Body color
DC12V /DC24V (optional)	3000K-6500K		50000h	≥80	Black

CDBC3 LED FREEZER LIGHT



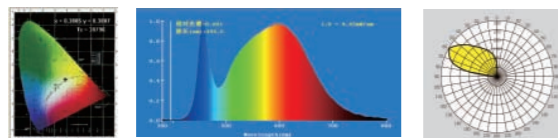
Dimensions



Install

Features

- Use lens design to concentrate the LED beam angle, improve the light distribution while reducing glare.
- Special end cap and wire connection design makes the lamps can be easily connected in series.
- Available in customized length.
- Lamp is small and light, back with double-side tape , easy to install and disassemble.
- Lamp body integrally moulded, IP 65 protection against dust and water
- Working life time>50000hrs, energy-saving 80%.
- No UV or RF interference. No mercury, RoHS compliant.
- Apply to Beverage cooler and Vending machines etc.

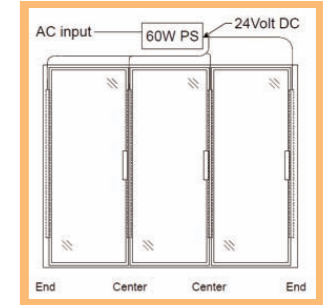
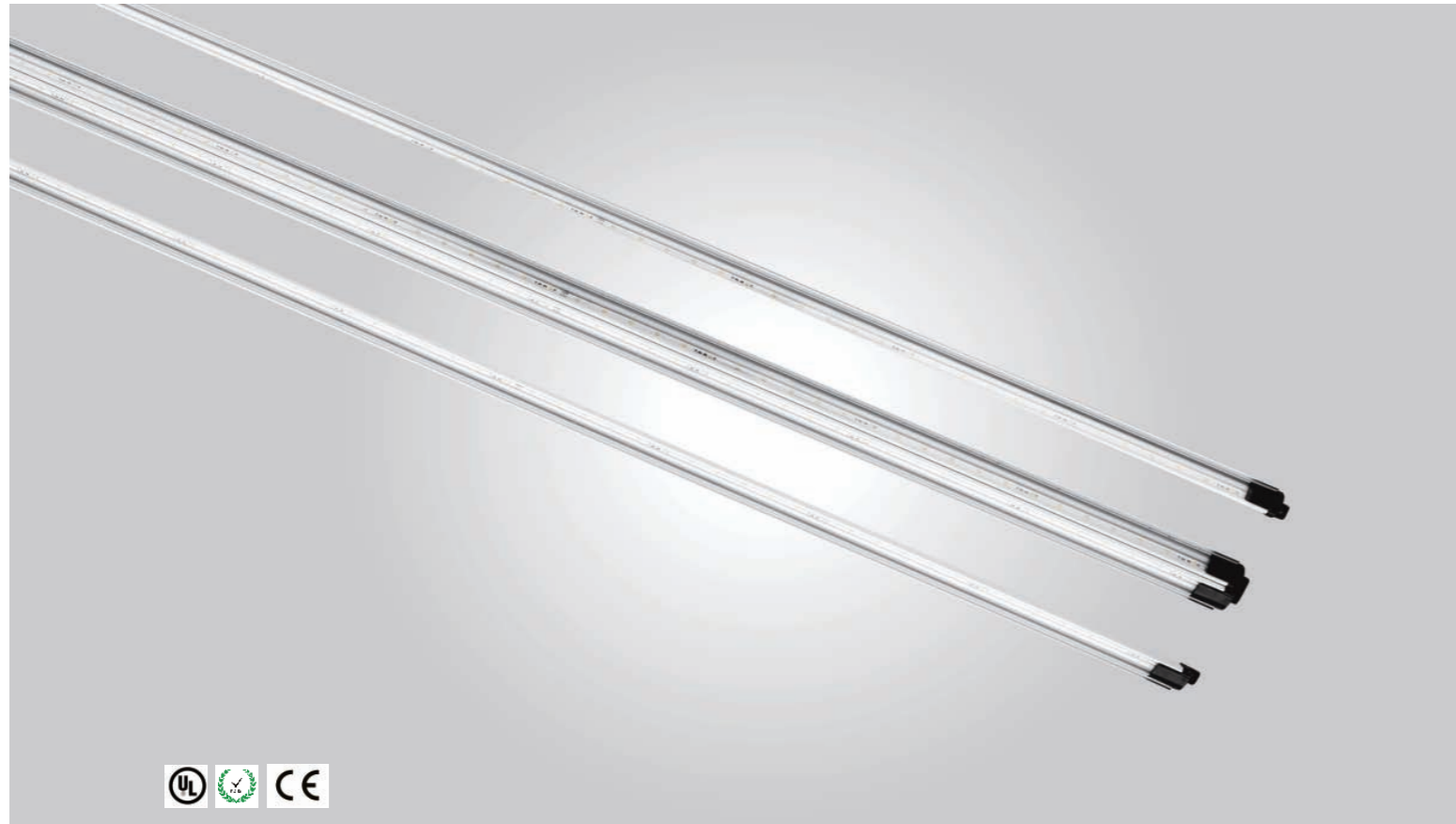
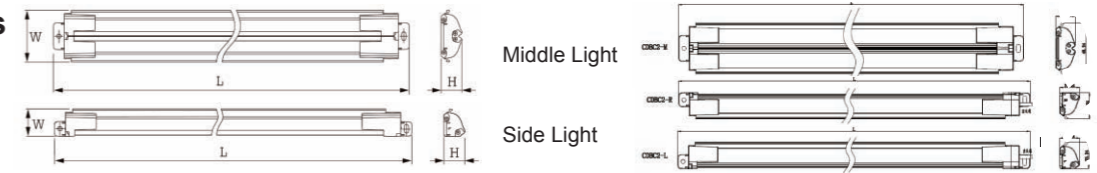


Specifications

Model(length)	CDBC3- L/R (300*14.5*12.5mm)	CDBC3- L/R (600*14.5*12.5mm)	CDBC3- L/R (1200*14.5*12.5mm)		
Power(W)	1 W	1.5 W	3 W		
	3 W(optional)	6 W(optional)	12 W(optional)		
Lumen(Lm)	95 Lm	135 Lm	265 Lm		
	215 Lm (optional)	425 Lm (optional)	850 Lm (optional)		
LED Type and Qty	12pcs*SMD2835	18pcs*SMD2835	36pcs*SMD2835		
	18 pcs*SMD2835(optional)	36pcs*SMD2835(optional)	72pcs*SMD2835(optional)		
Operating Temperature	Material of Housing		Material of Lens	Degree of protection	
-20℃~40℃	PVC		PVC	IP65	
Rated Voltage	Color Temperature		Life(hours)	CRI	Body color
DC12V /DC24V (optional)	3000K-6500K		50000h	≥80	Black

CDBC2 LED FREEZER LIGHT

Dimensions

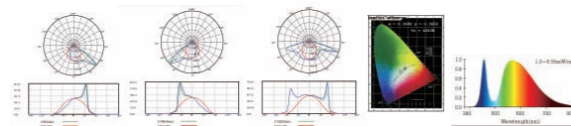


Install

Specifications

Features

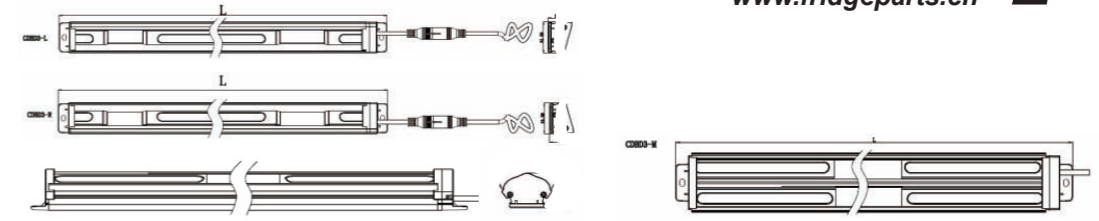
- Use lens design to concentrate the lighting beam angle, improve the light distribution, and more conducive to the display of food.
- Available in various lengths and food colours.
- PVC body and lens, Easy installation and assemble with fixing screw or 3M tape.
- Lamp body integrally molded, better waterproof and dustproof effect.
- Working life time > 50000hrs, energy-saving 80%.
- No UV or RF interference. No mercury, RoHS compliant.
- With competitive price and apply to commercial walk-in freezer.



Model(length)	CDBC2-L/R (1200*24.5*19.6mm)	CDBC2-L/R (1350*24.5*19.6mm)	CDBC2-L/R (1500*24.5*19.6mm)	CDBC2-L/R (1700*24.5*19.6mm)
	CDBC2-M (1200*48.2*19.6mm)	CDBC2-M (1350*48.2*19.6mm)	CDBC2-M (1500*48.2*19.6mm)	CDBC2-M (1700*48.2*19.6mm)
Power(W)	12 W(L/R) 24 W(M)	13 W(L/R) 26 W(M)	15 W(L/R) 30 W(M)	17 W(L/R) 34 W(M)
Lumen(Lm)	750 Lm (L/R) 1500 Lm (M)	850 Lm (L/R) 1700 Lm (M)	980 Lm (L/R) 1950 Lm (M)	1150 Lm (L/R) 2300 Lm (M)
LED Type and Qty	48pcs*SMD2835 (L/R) 96pcs*SMD2835(M)	54pcs*SMD2835 (L/R) 108 pcs*SMD2835(M)	66pcs*SMD2835 (L/R) 132pcs*SMD2835(M)	72pcs*SMD2835 (L/R) 144pcs*SMD2835(M)
Operating Temperature	Material of Housing		Material of Lens	Degree of protection
-20°C~40°C	PVC		PVC	IP65
Rated Voltage	Color Temperature	Life(hours)	CRI	Body color
DC24V	3000K-6500K	50000h	≥80	White

CDBD3 LED FREEZER LIGHT

Dimensions

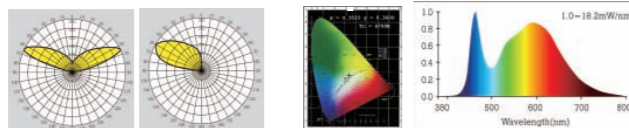


Install

Specifications

Features

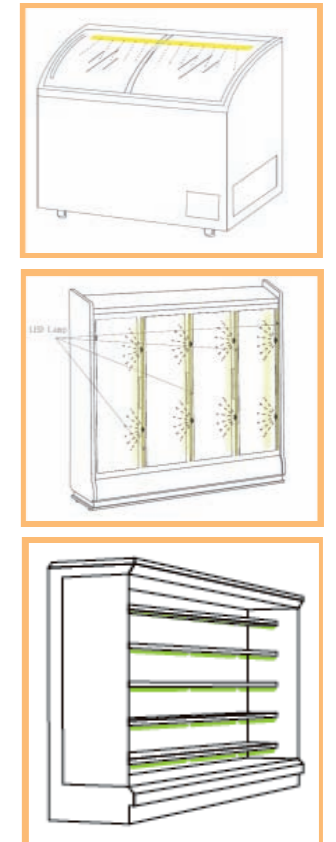
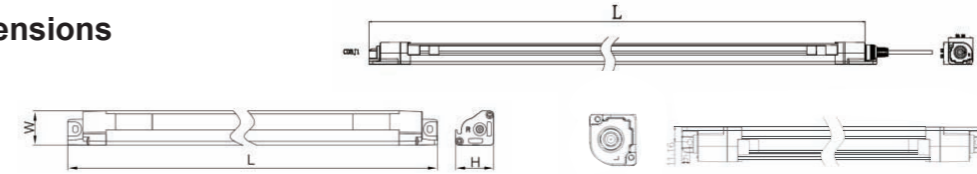
- CREE high power LED, CRI>85, 50000hrs working lifetime.
- Constant current solution with power utilization> 95%.
- PMMA optical lens can concentrate LED beam angle,illuminating efficiency is 93%.
- MCPCB for better heat dissipation.
- No UV or RF interference. No mercury, RoHS compliant.
- Elegant design, suitable for high-grade large commercial walk-in freezer.



Model(length)	CDBD3-L/R (1095*32*25mm)	CDBD3-L/R (1280*32*25mm)	CDBD3-L/R (1465*32*25mm)	CDBD3-L/R (1650*32*25mm)
		CDBD3-M (1095*47.2*25mm)	CDBD3-M (1280*47.2*25mm)	CDBD3-M (1465*47.2*25mm)
Power(W)	18 W(L/R)	21W(L/R)	24W(L/R)	27W(L/R)
	2*18 W(M)	2*21W(M)	2*24W(M)	2*27W(M)
Lumen(Lm)	900 Lm (L/R)	1050Lm (L/R)	1200 Lm (L/R)	1350Lm (L/R)
	1800 Lm (M)	2100 Lm (M)	2400Lm (M)	2700 Lm (M)
LED Type and Qty	High power LED 3W 6PCS (L/R)	High power LED 3W 7PCS (L/R)	High power LED 3W 8PCS (L/R)	High power LED 3W 9PCS (L/R)
	High power LED 3W 12PCS(M)	High power LED 3W 14PCS(M)	High power LED 3W 16PCS(M)	High power LED 3W 18PCS(M)
Rated Voltage	0-25V 700mA	0-30V 700mA	0-35V 700mA	0-40V 700mA
Operating Temperature	Material of Housing		Material of Lens	
-20℃~40℃	PVC		PVC	
Color Temperature	Life(hours)		CRI	
3000K-6500K	50000h		≥80	
			Degree of protection	
			I P65	
			Body color	
			Silver White	

CDBJ1 LED FREEZER LIGHT

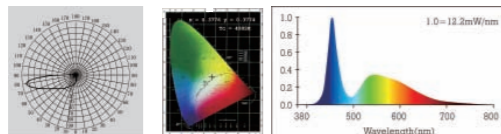
Dimensions



Install

Features

- Using PMMA lens to control beam angle to assure perfect lighting effect even within 100mm distance illumination (from freezer door to shelves).
- DC 24V Safty working voltage.
- Use of new type chip driver in circuit design , 80% energy saving effect.
- Flexible plug wire design, left and right type can be easy transformed.
- LED modules protected against moisture&dust by sealing with varnish.
- Cooling profile made of extruded aluminium.
- No UV or RF interference. No mercury, RoHS compliant.
- Apply to close distance illumination for commercial walk-in freezer.

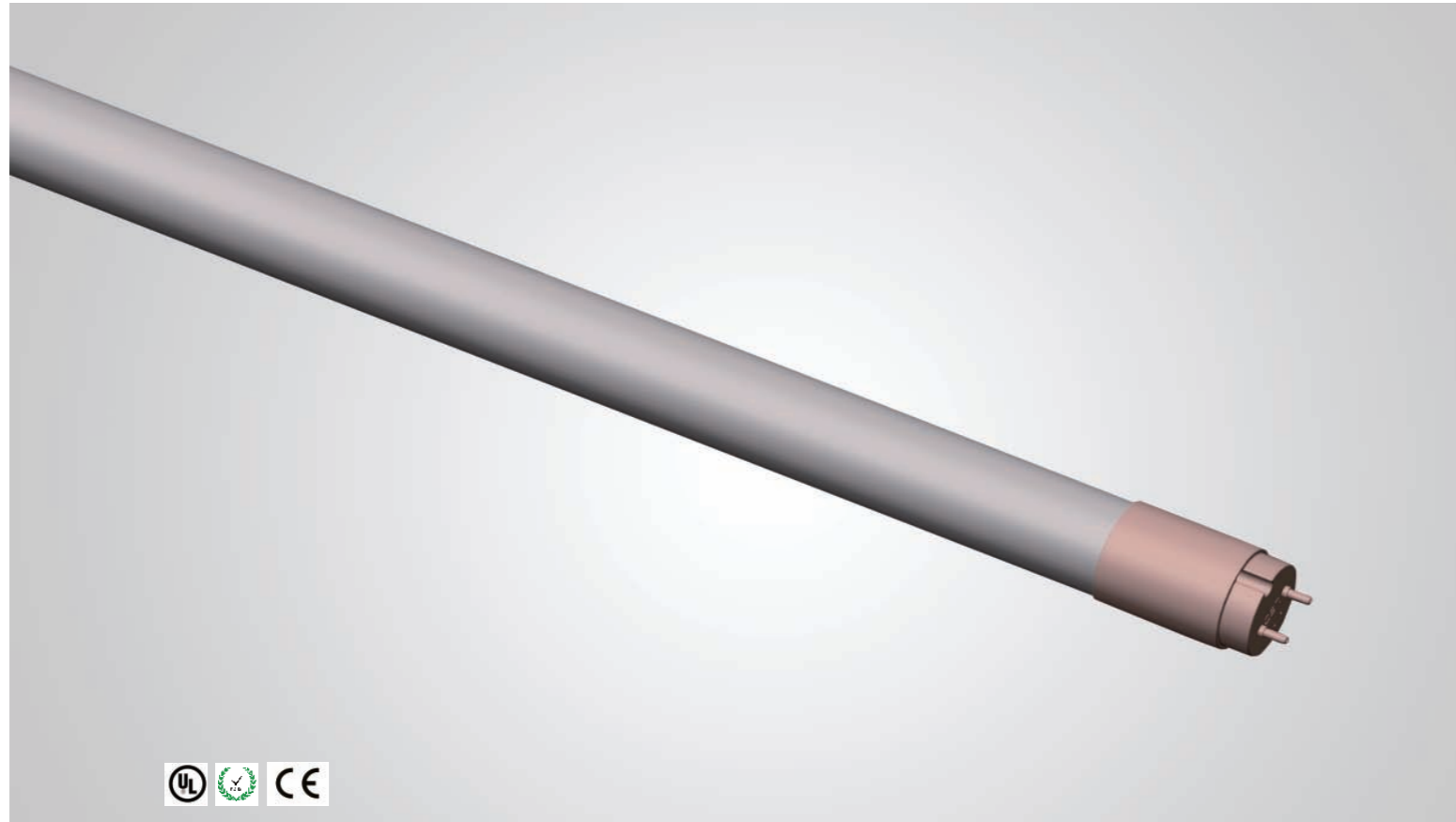
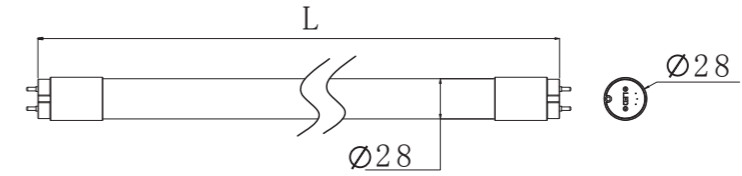


Specifications

Model(length)	CDBJ1 (1200*22*24.6mm)	CDBJ1 (1350*22*24.6mm)	CDBJ1 (1500*22*24.6mm)	CDBJ1 (1700*22*24.6mm)	
Power(W)	11 W	12.5 W	14 W	15.5 W	
Lumen(Lm)	875 Lm	1000 Lm	1150Lm	1350Lm	
LED Type and Qty	49pcs*SMD2835	56pcs*SMD2835	63pcs*SMD2835	70pcs*SMD2835	
Radiation Distance	D=100mm / 280mm				
Operating Temperature	Material of Housing		Material of Lens	Degree of protection	
-20 C~40 C	Aluminum		PMMA	I P65	
Rated Voltage	Color Temperature		Life(hours)	CRI	Body color
DC24V	3000K-6500K		50000h	≥80	Silver White

CDDT LED FREEZER LIGHT

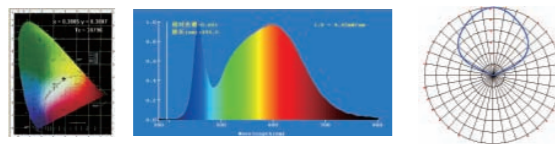
Dimensions



Install

Features

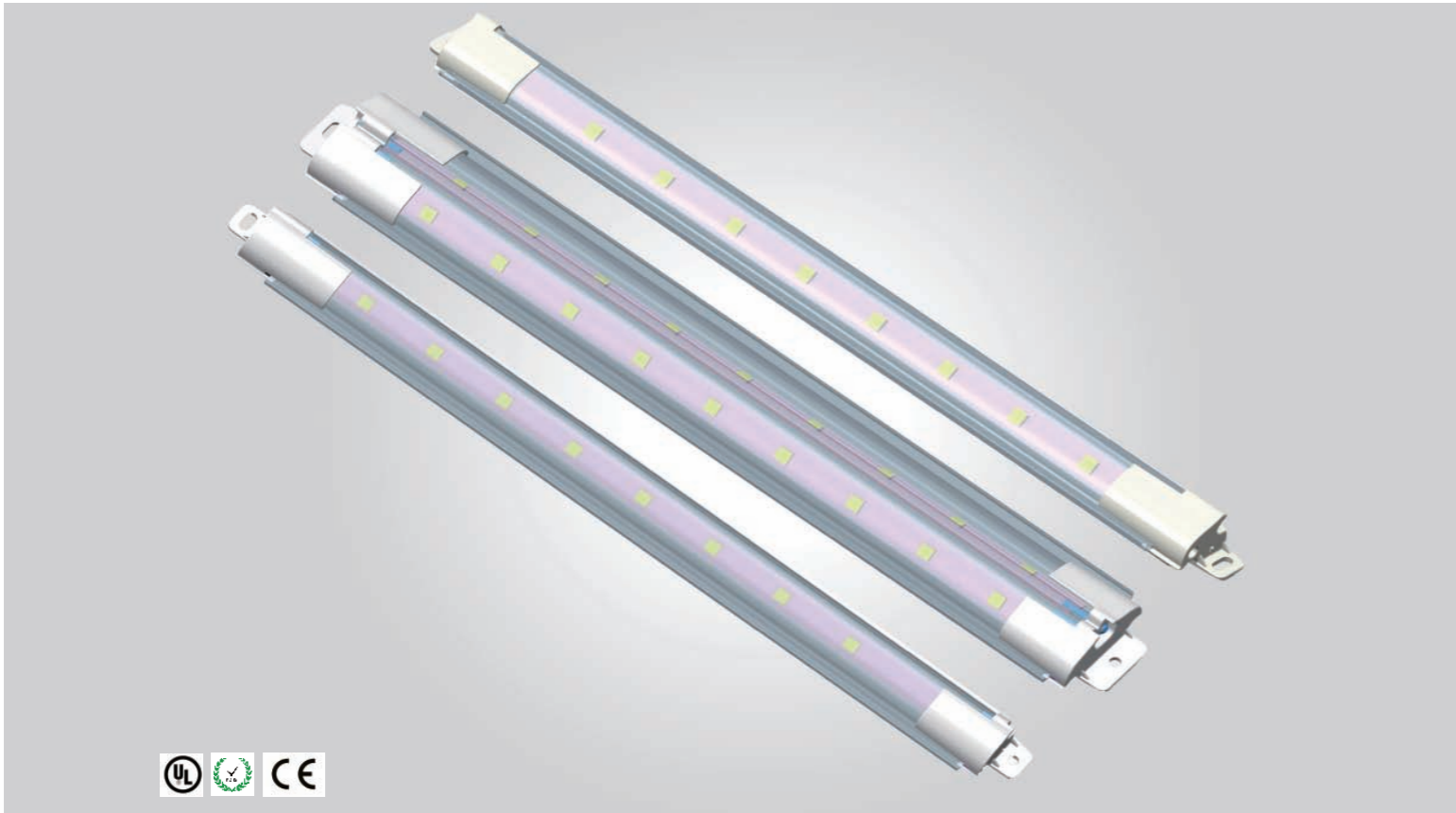
- T8
- LED freezer light
- Low voltage
- Easy to replace
- External driver



Specifications

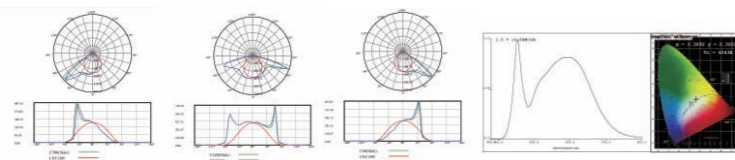
Model(length)	CDDT-450 (450*28*28mm)	CDDT-600 (600*28*28mm)	CDDT-1200 (1200*28*28mm)	CDDT-1500 (1500*28*28mm)
Power(W)	7 W	8.5 W	13.5 W	14.5 W
Lumen(Lm)	600 Lm	800 Lm	1250 Lm	1350 Lm
LED Type and Qty	49pcs*SMD2835	63pcs*SMD2835	98pcs*SMD2835	105pcs*SMD2835
Product Name	Direct-current LED Fluorescent Lamp (LED Freezer Light)			
Operating Temperature	Material of Housing		Degree of protection	
-30°C~+50°C	PC		IP65	
Rated Voltage	Color Temperature		Life(hours)	CRI
DC24V	3000K-6500K		50000h	≥80
				Body color
				Milk white

CDBC2-S LED FREEZER LIGHT

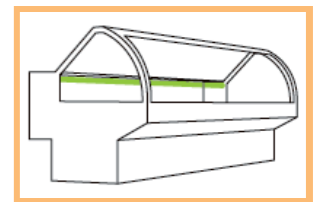
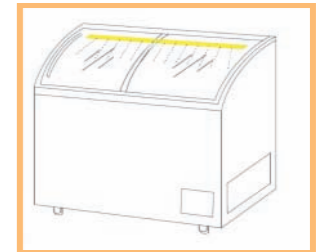
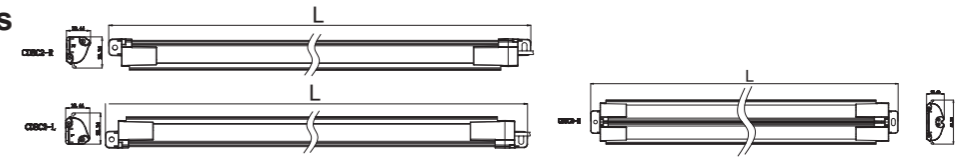


Features

- Use lens design to concentrate the lighting beam angle, improve the light distribution, and more conducive to the display of food.
- Available in various lengths and food colours.
- PVC body and lens, Easy installation and assembly with fixing screw or 3M tape.
- Lamp body integrally molded, better waterproof and dustproof effect.
- Working life time >50000hrs, energy-saving 80%.
- No UV or RF interference. No mercury, ROHS compliant.
- With competitive price and apply to commercial walk-in freezer.



Dimensions



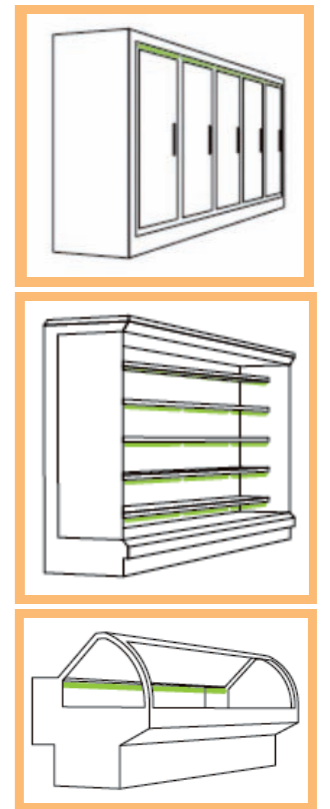
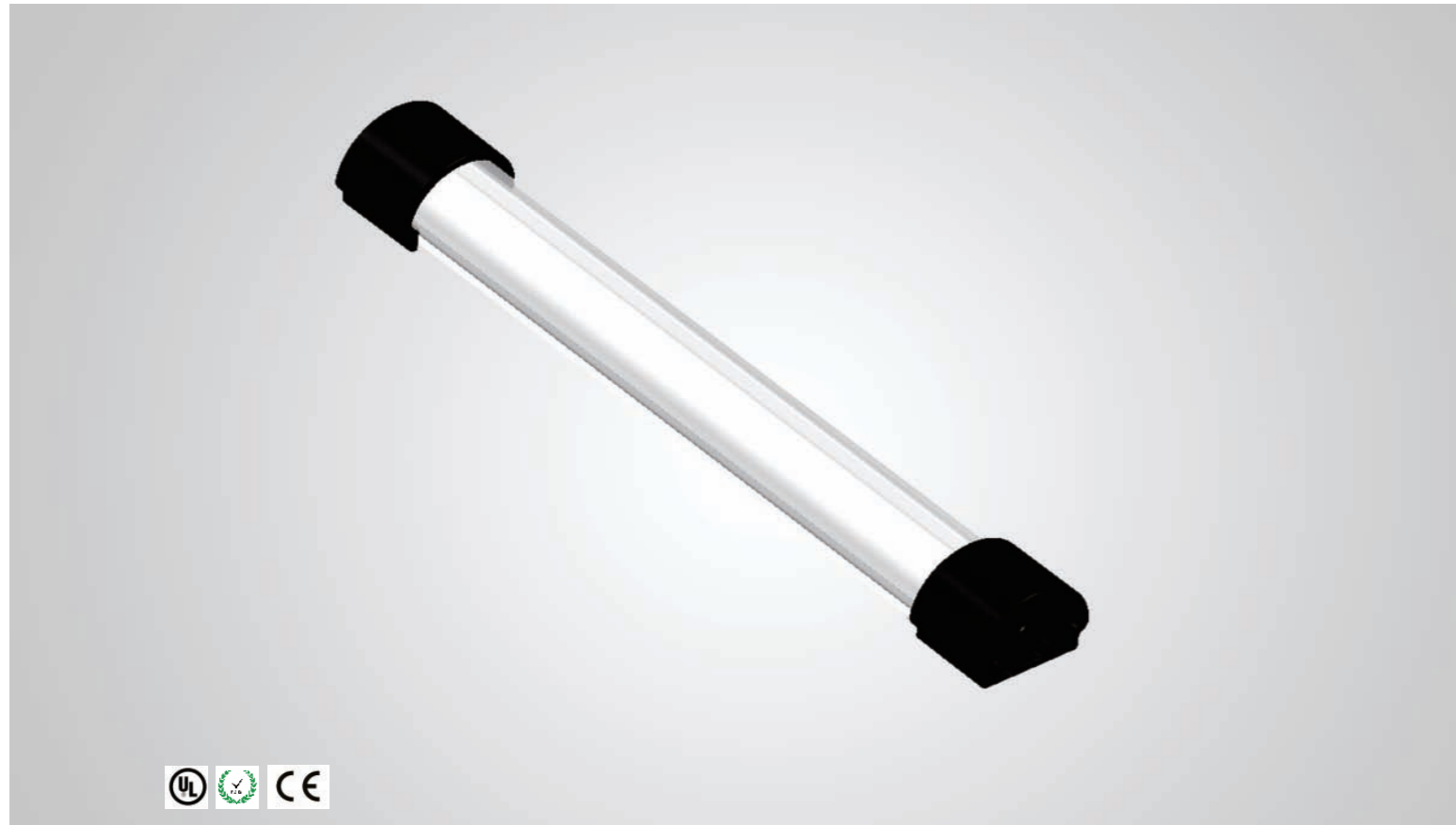
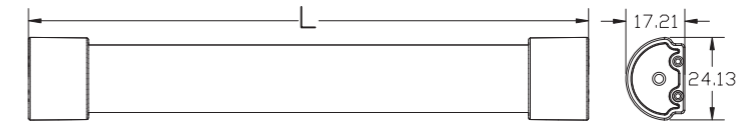
Install

Specifications

Model(length)	CDBC2-S(L/R) (1200*24.5*19.6mm)	CDBC2-S(L/R) (1350*24.5*19.6mm)	CDBC2-S(L/R) (1500*24.5*19.6mm)	CDBC2-S(L/R) (1700*24.5*19.6mm)	
	CDBC2-S(M) (1200*48.2*19.6mm)	CDBC2-S(M) (1350*48.2*19.6mm)	CDBC2-S(M) (1500*48.2*19.6mm)	CDBC2-S(M) (1700*48.2*19.6mm)	
Power(W)	10 W(L/R)	11W(L/R)	13 W(L/R)	15 W(L/R)	
	20 W(M)	22 W(M)	26 W(M)	30 W(M)	
Lumen(Lm)	850 Lm (L/R)	950Lm (L/R)	1150 Lm (L/R)	1300Lm (L/R)	
	1500 Lm (M)	1900 Lm (M)	2300Lm (M)	2600 Lm (M)	
LED Type and Qty	48pcs *SMD2835(L/R)	54pcs *SMD2835(L/R)	66pcs *SMD2835(L/R)	72pcs *SMD2835(L/R)	
	96pcs *SMD2835(M)	108pcs *SMD2835(M)	132pcs *SMD2835(M)	144pcs *SMD2835(M)	
Beam Angle	(L/R) polarized light 65°		(M) polarized light 130°		
Operating Temperature	Material of Housing		Driver	Degree of protection	
-30°C~+50°C	PC		External	IP65	
Rated Voltage	Color Temperature		Life(hours)	CRI	Body color
DC24V	3000K-6500K		50000h	≥80	White

CDBM LED FREEZER LIGHT

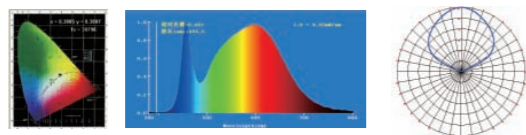
Dimensions



Install

Features

- Aluminum alloy and PC body, easy for installation and assembly.
- Better waterproof and dustproof effect.
- Working life time > 50000hrs, energy-saving 80%.
- With competitive price and apply to commercial walk-in freezer.



Specifications

Model(length)	CDBM-600 (600*24.13mm *17.21mm)	CDBM-1200 (1200*24.13mm* 17.21mm)	CDBM-1350 (1350*24.13mm *17.21mm)	CDBM-1500 (1500*24.13mm* 17.21mm)	CDBM-1700 (1700*24.13mm* 17.21mm)
Rated Voltage	11-13.5VDC	14-17VDC	17-20.5VDC	19.5-24VDC	22.5-28VDC
Power(W)	9.5W	12 W	14.5 W	16.5 W	19.5 W
Lumen(Lm)	800 Lm	1000 Lm	1200 Lm	1400 Lm	1600 Lm
LED Type and Qty	48pcs *SMD2835	60pcs*SMD2835	72pcs*SMD2835	84pcs*SMD2835	96pcs*SMD2835
Driver	External Constant Current Driver (I=700MA)				
Operating Temperature	Material of Housing		Product Name		Degree of protection
-30℃~+50℃	Aluminum Profiles		LED freezer light		IP65
Color Temperature	Life(hours)		Beam angle	CRI	Body color
3000K-6500K	50000h		120°	≥80	Silver White

DRIVER LED FREEZER LIGHT



DRIVER LED FREEZER LIGHT



Specifications

Meanwell Power supply for CDBP1,CDBC1,CDBC3					
Model(length)	LPV-20-12	LPV-35-12	LPV-60-12	LPV-100-12	
Output Current	1.66 A	3 A	5 A	8.5 A	
Power(W)	20 (W)	36 (W)	60 (W)	102 (W)	
Efficiency(Typ.)	81%	84%	83%	85%	
Operating Temperature	-30 C~70 C	-30 C~65 C	-30 C~70 C	-25 C~70 C	
Safety Standards	UI1310 class 2, CAN/CSA No. 223-M91, IP67 approved design refer to TUV EN60950-1				
Certificate	CE&UL&CSA	Output Voltage	DC12V	Frequency	47/63Hz

Specifications

Meanwell Power supply for CDBC2,CDBJ1, CDBC2-S,CDDT					
Model(length)	LPV-20-24	LPV-35-24	LPV-60-24	LPV-100-24	
Output Current	1.67 A	1.5 A	2.5 A	4.2 A	
Power(W)	20.2 (W)	36 (W)	60 (W)	100.8 (W)	
Efficiency(Typ.)	83%	85%	86%	88%	
Operating Temperature	-30 C~70 C	-30 C~65 C	-30 C~70 C	-25 C~70 C	
Safety Standards	UI1310 class 2, CAN/CSA No. 223-M91, IP67 approved design refer to TUV EN60950-1				
Certificate	CE&UL&CSA	Output Voltage	DC24V	Frequency	47/63Hz

LED TUBES USED FOR FREEZER



需理出样品重新拍照放入

- Driver: constant-current driver
- Input Voltage: AC90-265V
- Rated Input Voltage: AC220V
- Frequency: 50-60HZ
- Power Factor: >0.9
- CRI: >=80
- Beam Angle: 120 degree
- Cover: transparent
- Electrical Classification: II
- Operating Temp: -10 ~ +50 °C
- Operating Humidity: 0-90%
- Storage Temp: -20 ~ +65 °C
- Housing Material: aluminum, PC
- Lifespan: >50,000hrs

Specifications

Item No.	Power	Working Voltage	Tube type	Size (mm)	LED Chip	Color Temperature	Luminous Flux	Power Factor	Connection Way
T5-0.3m-4W	4W	AC90V-265V	T5	L298*Φ16	SMD2835	6000-6500K	400lm	>0.9	by two 65cm wires from one end
T5-0.6m-7W	7W	AC90V-265V	T5	L588*Φ16	SMD2835	6000-6500K	700lm	>0.9	by two 65cm wires from one end
T8-0.9m-12W	12W	AC90V-265V	T8	L892*Φ26	SMD2835	6000-6500K	1200lm	>0.9	by two 65cm wires from one end
T8-1.2m-13W	13W	AC90V-265V	T8	L1198*Φ26	SMD2835	6000-6500K	1300lm	>0.9	by two 65cm wires from one end

LED TUBES USED FOR FREEZER



需理出样品重新拍照放入

- Driver: constant-current driver
- Input Voltage: AC90-265V
- Guard Level: IP65 waterproof
- Frequency: 50-60HZ
- Power Factor: >0.9
- CRI: >=80
- Beam Angle: 120 degree
- Cover: transparent
- Electrical Classification: II
- Operating Temp: -10 ~ +50 °C
- Operating Humidity: 0-90%
- Storage Temp: -20 ~ +65 °C
- Housing Material: aluminum, PC
- Lifespan: >50,000hrs

Specifications

Item No.	Power	Working Voltage	Tube type	Size (mm)	LED Chip	Color Temperature	Luminous Flux	Power Factor	Connection Way
T8-1.5m-WP-22W	22W	AC90V-265V	T5	L1498*Φ26	SMD2835	6000-6500K	1500lm	>0.9	by wires from one end

THERMOSTAT

WV SERIES COMBINED TYPE TEMPERATURE CONTROL FOR GAS REFRIGERATOR



Electrical Ratings: 250V 50/60Hz
Resistive current: 2A
Reactive current: 2A(2FLA, 12LRA)
Operating Range: -40~+40°C
Adjustable Temp. Range: 4~30°C
Difference: >7°C

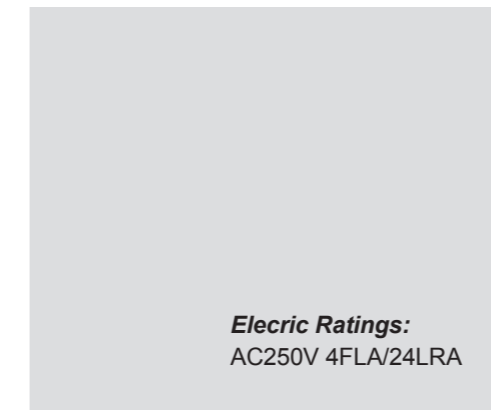
NWP/WD-E SERIES EXPLOSION PROTECTED THERMOSTAT FOR REFRIGERATORS/FREEZERS



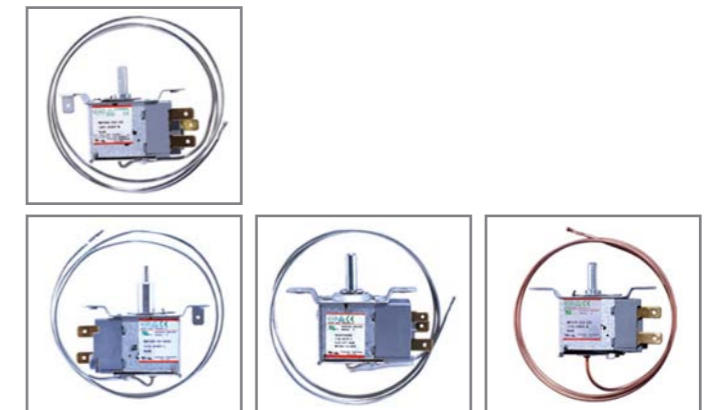
Electrical Ratings: 250V AC5(4)A
Operating Temp: -36~15°C
Adjustable Range: Max.25°C

THERMOSTAT

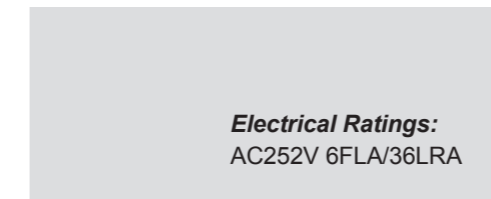
WP / WS / WD / WX SERIES PRESSURE THERMOSTATS FOR REFRIGERATORS / FREEZ



Electric Ratings:
AC250V 4FLA/24LRA



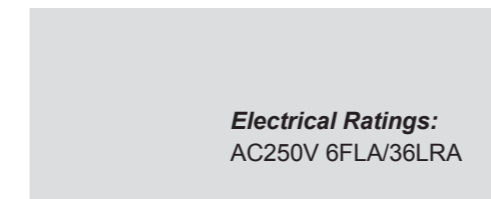
KP-E / KD-E / KX-E SERIES THERMOSTATS FOR REFRIGERATORS / FREEZERS



Electrical Ratings:
AC252V 6FLA/36LRA



KP / KS / KD / KX / KZ SERIES THERMOSTATS FOR REFRIGERATORS / FREEZERS



Electrical Ratings:
AC250V 6FLA/36LRA



THERMOSTAT BOX



◀ **B-101A**
Outline Dimension:280x150x50

▶ **B-101B**
Outline Dimension:280x150x50



◀ **BC-106**
Outline Dimension:325x75x50

▶ **BC-113**
Outline Dimension:232x60x62



◀ **B-LED1A**
技术特性：高压系列无节电开关
额定电压：AC220V
额定功率：1W
发光二极管颜色：白发白
发光二极管亮度：16000MCD
连接方式：引线长度和接线卡子可按要求定做



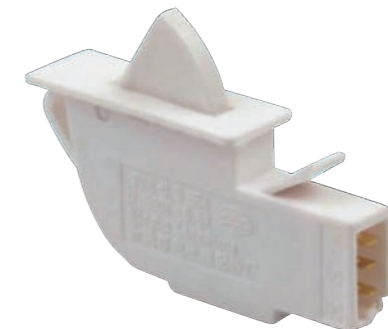
◀ **E-LED8**
技术特性:高压系列跟B-101照明盒系列配合使用;
额定电压：AC220V
额定功率：1W
发光二极管颜色：白发白;
发光二极管亮度：16000MCD
连接方式：2-6.3*0.8或2-4.8*0.8

▶ **E-LED10**
技术特性：高压系列无节电开关；
额定电压：AC220V
额定功率：1W
发光二极管颜色：白发白
发光二极管亮度：16000MCD
连接方式：引线长度和接线卡子可按要求定做



◀ **FN-4**
额定电压：250VAC
额定电流：0.5A
常态绝缘电阻：不小于500M
连接方式：2-6.3x0.8;寿命大于10万次；动作行程大于1mm

▶ **FN-8**
额定电压：250VAC
额定电流：0.5A
常态绝缘电阻：不小于500M
连接方式：3-2.8x0.5;寿命大于10万次；动作行程大于1mm



◀ **ZSD-4**
Rated voltage: 220VAC
Rated current: 0.3A
Attended mode: 2-6.3x0.8

DOOR HANDLES

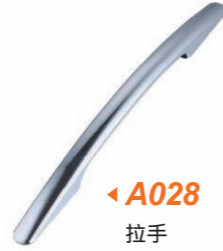
DOOR HANDLES



◀ **A026**
拉手



◀ **A027**
拉手



◀ **A028**
拉手



◀ **L006**
小拉手



◀ **L009**
拉手



◀ **L0011**
拉手



◀ **A034**
定向轮



◀ **A038**
接线盒



◀ **N001**
小铰链



◀ **N004**
可调节大铰链
500-1000L大冷柜



◀ **B001**
弹簧铰链



◀ **B002**
大中小调整脚



◀ **P001**
双门展示柜网架



◀ **P002**
单门展示柜网架



◀ **B003**
不锈钢上下合页/中合页



◀ **B004**
上下左右合页



◀ **P004**
红酒架



◀ **P005**
各档岛柜网篮



◀ **L001**
拉手



◀ **L004**
拉手



◀ **L005**
拉手



▶ **P006**
圆弧网篮



▶ **P007**
网篮

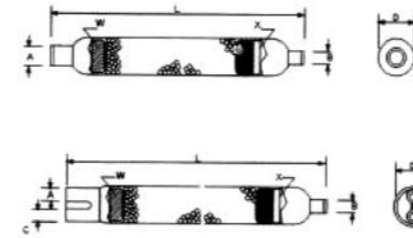


▶ **P008**
网篮



6 **FILTER DRIER AND ACCUMULATOR**
BEST SERVICE FOR ANYTHING AT ANYWHERE AT ANYTIME>>

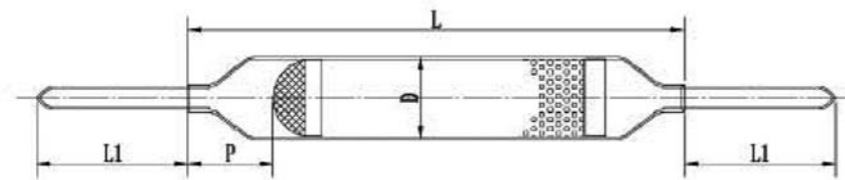
COPPER FILTER DRIER (COMMON TYPE)



Model	Molec	External Diameter [D]	Length [L]
Tolerances	±5%	±0.10mm	±3.00mm
CF5	5.00	Φ16.00	80.00
CF7	7.00	Φ16.00	90.00
CF7.5	7.50	Φ16.00	96.00
CF8	8.00	Φ16.00	101.00
CF10	10.00	Φ16.00	115.00
CF10A	10.00	Φ19.00	100.00
CF12	12.00	Φ19.00	105.00
CF13	13.00	Φ19.00	110.00
CF15	15.00	Φ19.00	115.00
CF18	18.00	Φ19.00	128.00
CF20	20.00	Φ19.00	141.00
CF20A	20.00	Φ24.00	120.00
CF25	25.00	Φ24.00	125.00
CF30	30.00	Φ24.00	140.00
CF35	35.00	Φ24.00	155.00
CF40	40.00	Φ24.00	170.00
CF50	50.00	Φ29.00	160.00



COPPER FILTER DRIER (WELDED TYPE)



Model	Molec	External Diameter [D]	Length [L]	Length [L1]				Screen Dpth [P]
Tolerances	±5%	±0.10mm	±3.00mm	mm				±2.00mm
WF10	10.00	Φ16.00	115.00	40.00	45.00	50.00	55.00	24.00
WF10A	10.00	Φ19.00	98.00	40.00	45.00	50.00	55.00	24.00
WF10B	10.00	Φ19.00	105.00	40.00	45.00	50.00	55.00	24.00
WF12	12.00	Φ19.00	109.00	40.00	45.00	50.00	55.00	24.00
WF15	15.00	Φ19.00	115.00	40.00	45.00	50.00	55.00	24.00
WF15A	15.00	Φ19.00	120.00	40.00	45.00	50.00	55.00	24.00
WF20	20.00	Φ19.00	141.00	40.00	45.00	50.00	55.00	24.00
WF20A	20.00	Φ24.00	120.00	40.00	45.00	50.00	55.00	26.00
WF25	25.00	Φ24.00	125.00	40.00	45.00	50.00	55.00	26.00
WF30	30.00	Φ24.00	140.00	40.00	45.00	50.00	55.00	26.00
WF35	35.00	Φ24.00	155.00	40.00	45.00	50.00	55.00	26.00
WF40	40.00	Φ24.00	170.00	40.00	45.00	50.00	55.00	28.00
WF50	50.00	Φ29.00	160.00	40.00	45.00	50.00	55.00	30.00

COPPER ACCUMULATOR

- 24*127MM
- 24*150MM
- 24*203MM
- 24*250MM

according to
customer's
requirements



ACCESS VALVE



Model	External Diameter [D]	Length [L]
DXF 1	1/4" / 3/16"	50.00
DXF 2	1/4" / 3/16"	60.00
DXF 3	1/4" / 3/16"	70.00
DXF 5	1/4" / 3/16"	80.00
DXF 6	1/4" / 3/16"	85.00
DXF 7	1/4" / 3/16"	90.00
DXF 8	1/4" / 3/16"	95.00
DXF 9	1/4" / 3/16"	100.00

ALUMINUM TUBE

Specifications

- * OD: 3mm ~ 25mm
- * High quality & Competitive price
- * Soonest delivery time
- * Best services after sales

1060 / 1070 refrigeration aluminum tube

Description of Aluminium tube

- * Max Out diameter: 25mm
- * Max Wall thickness: 2mm
- * Length: per Coil
- * MOQ: 1 Metric Ton
- * Material: A1050, A1060, A1070, A3003
- * Temper: O, H112, H14, H16, H24 and so on



Chemical Composition:

A1050 Aluminium Chemical Composition									
Al	Si	Cu	Mg	Zn	Mn	Ti	V	Fe	Others
99.5~100	0~0.25	0~0.05	0~0.05	0~0.05	0~0.05	0~0.03	0~0.05	0~0.40	0~0.03
A1060 Aluminium Chemical Composition									
Al	Si	Cu	Mg	Zn	Mn	Ti	V	Fe	Others
99.6~100	0~0.25	0~0.05	0~0.03	0~0.05	0~0.03	0~0.03	/	0~0.35	
A1070 Aluminium Chemical Composition									
Al	Si	Cu	Mg	Zn	Mn	Ti	V	Fe	Others
99.7~100	0~0.2	0~0.04	0~0.03	0~0.04	0~0.03	0~0.03	0~0.05	0~0.25	

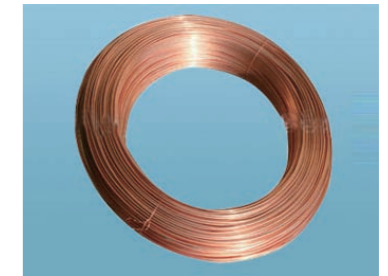
BUNDY TUBE (COPPER COATED TUBE)

Specifications

- * refrigerator pipe/tube

Refrigerator Tube/pipe Feature

- * Widely be in used in non-freon refrigerator and other refrigeration equipment.
- * Standard: ASTM,DIN,GB etc.
- * Outside diameter: Φ 3.2mm~ Φ 10.00mm
- * Wall thickness: 0.4mm~1.0mm
- * Materials:BHG,SPCC
- * Surface Treatment: Bright ,Zinc-coated, Copper-coated



COPPER TUBE

Specifications

- * refrigerator pipe/tube

Refrigerator Tube/pipe Feature

- * Widely be in used in non-freon refrigerator and other refrigeration equipment.
- * Standard: ASTM,DIN,GB etc.
- * Outside diameter: Φ 3.2mm~ Φ 10.00mm
- * Wall thickness: 0.4mm~1.0mm
- * Materials:BHG,SPCC
- * Surface Treatment: Bright ,Zinc-coated, Copper-coated



ZINC COATED STEEL TUBE

Specifications

- * best price and high quality in china,and one of largest zinc coated steel tube manufacturer in china .

Specifications of Zinc coated and Copper coated tubes

- * Φ 8×0.7 * Φ 6.35X0.35 * Φ 6×0.5 * Φ 4.76×0.7 * Φ 4×0.5



WALL STEEL TUBE

kangsheng is the biggest single wall steel tube(SWST) manufacturer in the world. The annual SWST output is more than 10,000 tons including plain, copper coating, zinc coating. The maximum salt spray test of galvanized steel tube reaches over 2,000 hours. Also, the double wall steel tube(DWST) is provided in large quantity to compressor companies and automobile tube factories. Copper tube and capillary are produced too.



Copper Tube



Double Wall Steel Tube



Capillary



Copper Coated Steel Tube



Zinc Coated Steel Tube

Aluminum Rod and Aluminum Tubes/ Sheets



Continuous Casting and Rolling Aluminum Rod



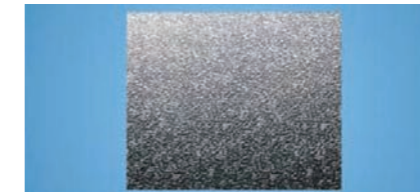
High-precision Aluminum Alloy Tube



Micro Channel Tube



Large-diameter Aluminum Straight Tube



Embossed Aluminum sheet



Pure Aluminum sheet

	O.D.(mm)	Wall Thickness(mm)	Description
Single Wall Steel Tube (SWST)	Φ4.0	0.5	Plain, Copper Coated, Zinc Coated, Galvanized
	Φ4.2	0.5	
	Φ4.56	0.6	
	Φ4.76	0.5 / 0.55 / 0.6 / 0.62 / 0.65 / 0.7	
	Φ6.0	0.5 / 0.6 / 0.65 / 0.7	
	Φ6.35	0.5 / 0.65 / 0.7	
	Φ7.8	0.6	
	Φ7.94	0.65 / 0.7	
	Φ8.0	0.5 / 0.6 / 0.65 / 0.68 / 0.7	
	Copper Tube	Φ4.0-Φ22.0	
Capillary	≤Φ4.0	≤0.5	TP1, Straight Tube, Coil
Double Wall Steel Tube (DWST)	Φ2.5*0.3、Φ3.17*0.5、Φ3.18*0.5、Φ4*0.5 Φ4.76*0.7、Φ6*0.7、Φ6.35*0.7、Φ8*0.7 Φ10*0.7、Φ10*1.0、Φ12.7*0.7、Φ12.7*1.0		Straight Tube, Coil

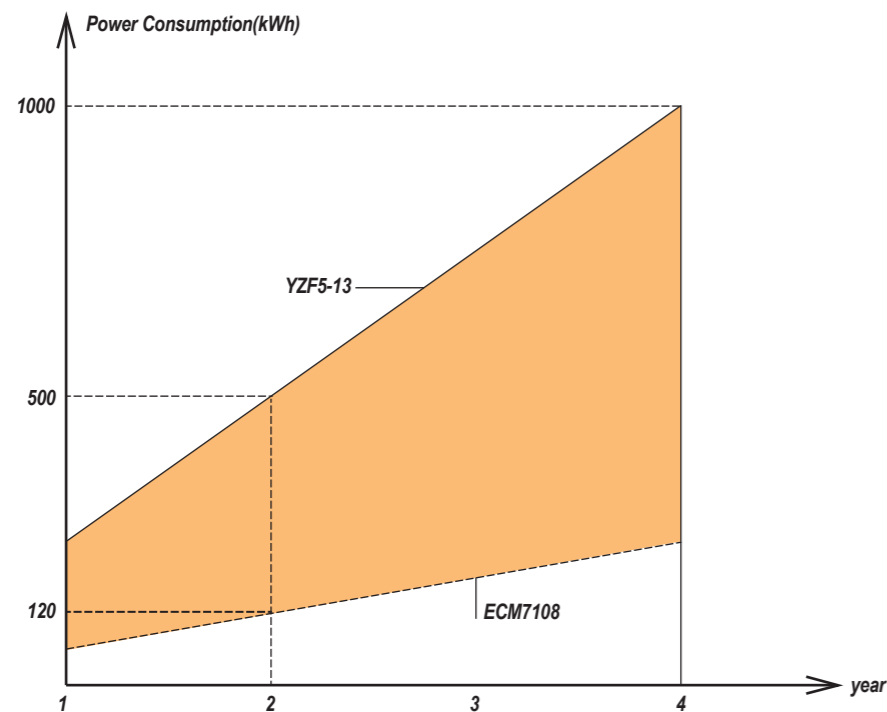
Dimension could be customized design

	O.D.(mm)	Wall Thickness(mm)	Material
Tube size	Φ4.76	0.8	1XXX 3XXX 6XXX
	Φ6.0	0.7、0.75、1	
	Φ6.35	0.5、0.6、0.75、0.8、1	
	Φ6.5	0.75	
	Φ7.0	0.7、0.75、0.8、1	
	Φ7.5	0.7、0.75	
	Φ8.0	0.5、0.65、0.7、0.8、0.9、1	
	Φ12.0	1、1.2	
	Φ12.7	0.65、0.8、1.15、1、1.2	
	Micro-multivoid tube size	Width(mm)	
12		1.4	12
16		1.4、1.8、2.0	10、16
20		1.4、2.0	10、12
25		1.4、2.0	16、18、25
Pure/Embossed Aluminum sheet	36	3	23
	Thickness	Width	
	0.1-10mm	100mm-1310mm	
		1XXX 3XXX 5XXX 8XXX	

Dimension could be customized design

ELECTRONICALLY COMMUTATED MOTOR

The newest generation of ECM series motors are designed with advanced electronic control technology, make the motor efficiency greatly increased, the external structure design of ECM series motors will maintain the similar external structure design as YZF series motors, motor accessories such as fan blades, rings or grids, brackets for ECM motors are the same as YZF series, therefore ECM series motors can completely replace the YZF series motors without any other changes. Comparing with YZF series motors, ECM motors display an obvious advantage in energy saving, saving up to 70%, it can greatly reduce the electricity cost for motor operation and carbon dioxide emissions. Not only that, due to the heating of ECM series motors themselves are very low, it would lead to the entire refrigeration system works more efficient and make motor running more stable and reliable.

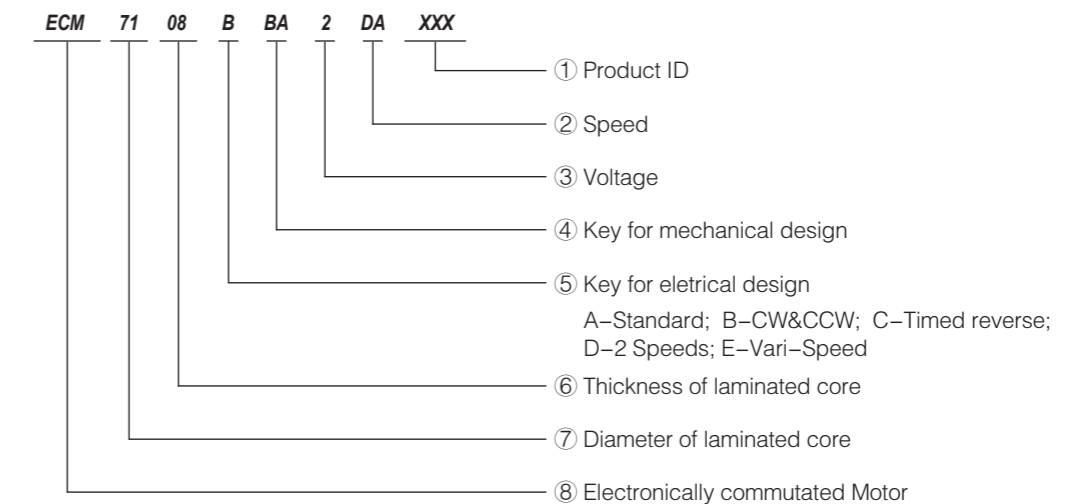


The input power of shaded pole motor YZF5-13 is 29W, input power for ECM7108 is 7W, assuming the motor operating 24 hour/day and 365 days a year, the cost for electricity is 0.13 euros/kWh, thus each ECM 7108 can save electricity about 25 euros per year.

Overview of ECM motors

Installation dimension	Totally same as traditional shaded-pole motors
Voltage	AC100V-120V; AC220V-240V; DC24V
Output power	5W; 15W; 20W
Cover	Thermoplastic
Rotation direction	Single rotation CCW Reverse on start Reverse on demand
Speed	Single speed, 2 Speeds
Insulation class	B/F
Working ambient temperature	-30 C ~50 C
Protection class	Class II
Mounting position	Any
Operating mode	Continuous operating(S1)
Type of protection	IP 65
EMC/EMI	EN60335, EN61000, EN55014
Bearing	Maintenance-free ball bearing
Motor protection	Via electronics
Service life	50,000 hours
Certifications	VDE, CE, CCC, ATEX, UL

Illustration of ECM



ELECTRONICALLY COMMUTATED MOTOR

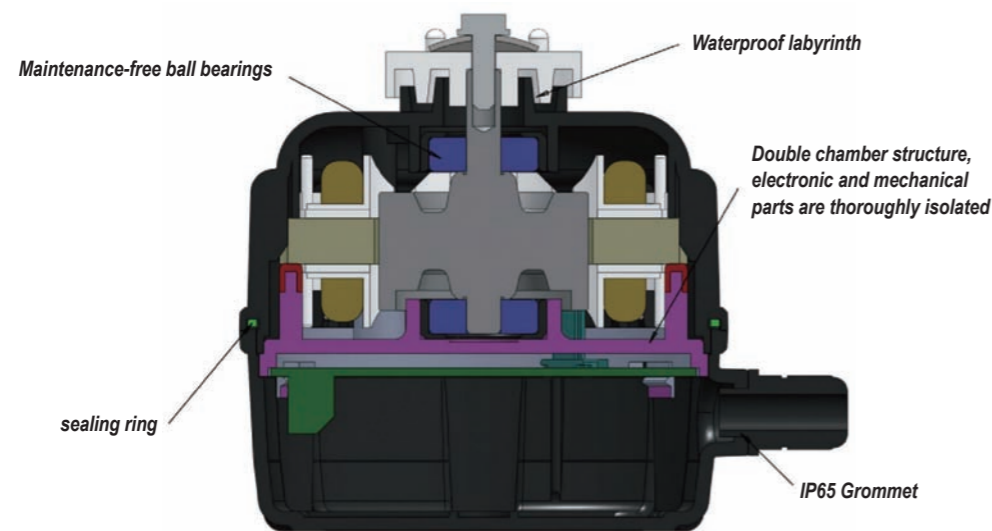
Main features

1 High safety class

ECM motors adopt thermoplastic for housing and the protection level has achieved class II, therefore the earth conductor will be unnecessary and the cost will be reduced.

2 High protection class IP65

Enclosed motor design will have a better moisture-proof effect and make it possible to work in the high humidity and dust environment.



Regarding components selection, we cooperate with the world's leading suppliers in order to offer the best quality.

Our R&D department has done various of tests to simulate the real working conditions of the fans (such as temperature, vibration, lifetime, etc.) in order to make the design more reliable.

All of our products are designed with high quality and long lifetime. We work over every part of our ECM motor, carefully choose devices and materials, together with suitable control board and intelligent protection system, our motors had achieved a life expectancy over 50,000 hours in continuous working conditions.

3 High reliability

The dual-chamber design (Patented) leads the motor can be effectively separated from electronic control area in order to avoid dust and humidity enter into the cavity of control board.

4 Constant speed control

Constant speed control means the motor maintains a constant speed across a wide range of voltages and fan blades, it will help the cooling system work properly and avoid the noise generated by the fluctuation of motor speed.

5 Reverse on start

ECM motors can run backwards automatically when start-up through pre-set of the programme. This important function can help to blow away dust from the heat exchanger of the condenser in order to make the refrigeration system more efficient. Further more, there is no extra signal control needed to achieve this function.

6 Reverse on demand

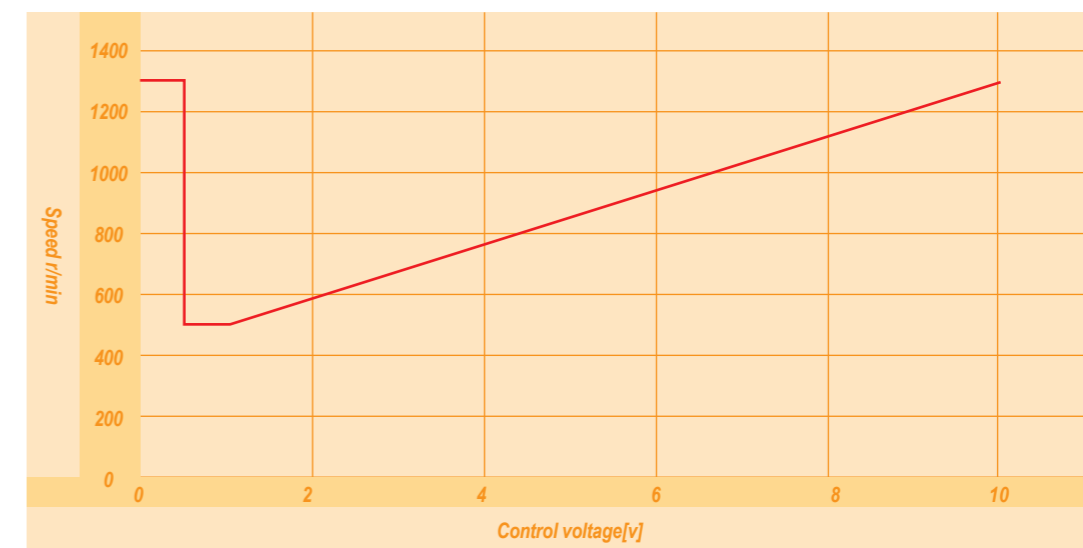
With this feature, you can determine the time and duration of reverse running. For example, during the compressor "off" period or the defrost cycle, you can start reverse running to blow away dust. Moreover, without needs of extra relays can save more cost.

7 Two speeds

ECM motors can run both in high-speed and low-speed through pre-set programme by supplier, this function would be very useful in the refrigeration system application which has daytime and nighttime modes, thus to save more energy and reduce the noise.

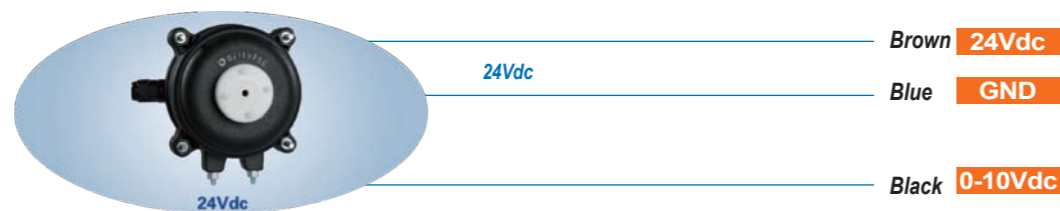
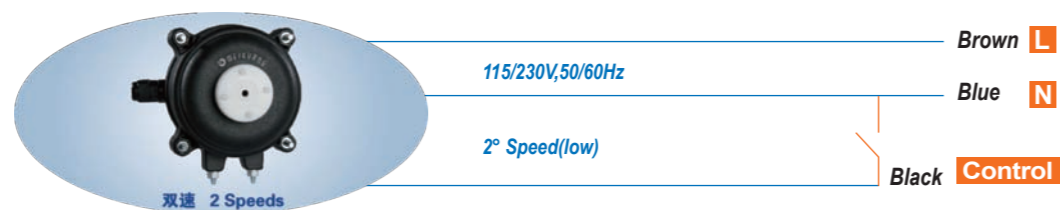
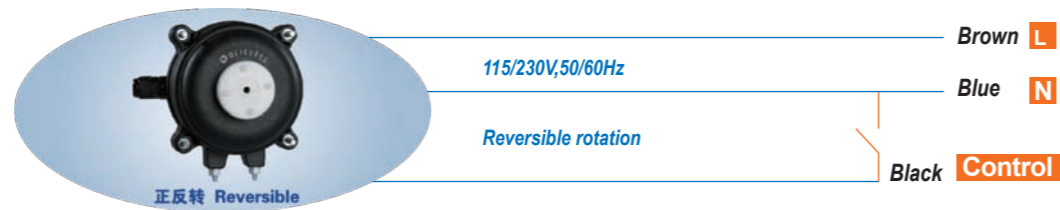
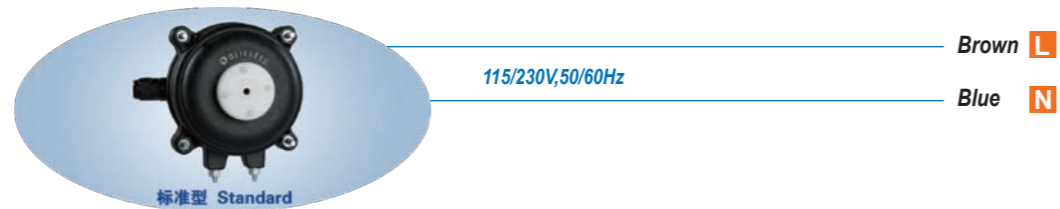
8 0-10Vdc full speed control

ECM 0-10V step-less speed regulation motors operators can control the 0-10Vdc to control the signal line to process step-less speed regulation. It will intelligently control the control system and result in better energy saving effect.



ELECTRONICALLY COMMUTATED MOTOR

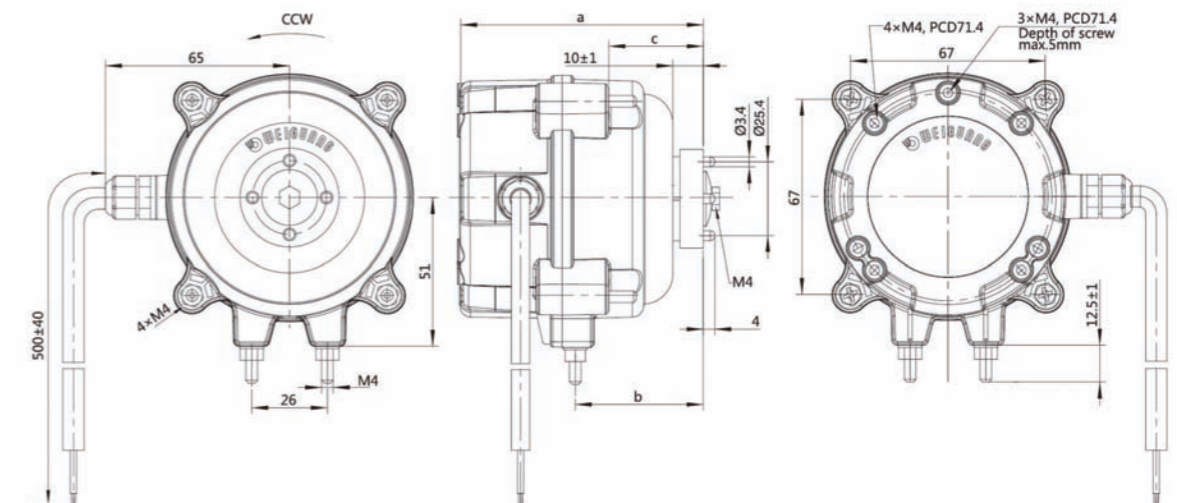
Connection diagram



Technical specifications

Nominal data		Voltage	Frequency	Speed	Output capacity	Perm.amb.temp	Dimensions		
Type	Features	v	Hz	r/min	w	°C	a	b	c
7108	Standard CW&CCW 2 Speeds	AC115/230	50/60	500~2200	5	-30 C~50 C	83	43.5	32.5
7112	Standard CW&CCW 2 Speeds	AC115/230	50/60	500~2200	15	-30 C~50 C	87	43.5	32.5
	Vari-speed	DC24	—	500~2200	15	-30 C~50 C			
7120	Standard CW&CCW 2 Speeds	AC115/230	50/60	500~2200	20	-30 C~50 C	95	43.5	32.5
	Vari-speed	DC24	—	500~2200	20	-30 C~50 C			

Installation dimensions



ELECTRONICALLY COMMUTATED MOTOR

ECM motor input power with axial impellers

Type	ECM7108	ECM7112	ECM7120	ECM7108	ECM7112	ECM7120	ECM7108	ECM7112	ECM7120	ECM7108	ECM7112	ECM7120	ECM7108	ECM7112	ECM7120
Pin(W)															
α	22°			25°			28°			31°			34°		
Fan Φ(mm)	22°			25°			28°			31°			34°		
Speed 1300 r/min															
154	2.8	-	-	3.1	-	-	3.3	-	-	3.9	-	-	4.3	-	-
172	3.5	2.9	-	3.7	3.2	-	4.2	3.5	-	5.2	4.5	-	5.9	5.0	-
200	4.7	3.8	-	5.8	4.7	-	6.5	5.6	-	-	6.7	-	-	8.1	-
230	-	7.8	7.3	-	8.6	8.4	-	12.8	9.6	-	14.8	11.0	-	19.8	13.2
254	-	10.5	9.7	-	14.3	12.2	-	17.8	14.8	-	20.8	17.2	-	-	20.4
Speed 1450 r/min															
154	3.2	-	-	3.6	-	-	4.0	-	-	5.1	5.6	-	6.0	-	-
172	3.7	3.2	-	4.1	3.7	-	4.8	4.4	-	6.2	9.6	-	6.8	6.2	-
200	5.4	4.8	-	6.5	5.7	-	-	7.2	-	-	15.8	-	-	11.2	-
230	-	9.8	9.2	-	11.3	10.6	-	13.6	12.6	-	-	14.2	-	-	18.1
254	-	13.8	12.6	-	19.4	16.1	-	-	19.8	-	-	22.4	-	-	26.6
Speed 1550 r/min															
154	3.7	-	-	4.2	-	-	4.8	-	-	6.2	-	-	6.7	-	-
172	4.6	3.8	-	5.2	4.3	-	5.5	5.3	-	7.1	6.8	-	-	7.6	-
200	6.2	5.6	-	-	6.8	-	-	8.4	-	-	11.2	-	-	13.7	-
230	-	11.5	11.8	-	14.3	14.2	-	17.5	15.6	-	20.4	18.6	-	-	-
254	-	17.2	15.7	-	-	20.8	-	-	25.2	-	-	29	-	-	22.4
Speed 1800 r/min															
154	4.1	-	-	4.5	-	-	5.3	-	-	6.7	-	-	-	7.5	-
172	5.7	5.0	-	6.7	5.9	-	-	7.2	-	-	9.6	-	-	11.2	-
200	-	8.3	-	-	9.9	-	-	12.4	-	-	17.5	16.2	-	-	18.4
230	-	17.8	16.2	-	-	19.2	-	-	22.4	-	-	25.6	-	-	-
254	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

ELECTRONICALLY COMMUTATED MOTOR

Matching motor-fan

Speed	FAN					
	154	172	200	230	254	300
Aluminium fan 1300 r/min	22°	22°	22°	22°	22°	22°
	25°	25°	25°	25°	25°	25°
	28°	28°	28°	28°	28°	
	31°	31°	31°	31°	31°	
Aluminium fan 1450 r/min	22°	22°	22°	22°	22°	22°
	25°	25°	25°	25°	25°	
	28°	28°	28°	28°	28°	
	31°	31°	31°	31°	31°	
Aluminium fan 1550 r/min	22°	22°	22°	22°	22°	
	25°	25°	25°	25°	25°	
	28°	28°	28°	28°	28°	
	31°	31°	31°	31°	31°	
Aluminium fan 1800 r/min	22°	22°	22°	22°	22°	
	25°	25°	25°	25°	25°	
	28°	28°	28°	28°	28°	
	31°	31°	31°	31°	31°	

ECM7108
ECM7112
ECM7120

HIGH EFFICIENCY & LOW NOISE FAN BLADE

The fan blade, as an important part of the fan motor, has a significant effect on motor performance.

The new fan blade is specially designed for the ECM motors. It combines the advanced aerodynamics and bionics to optimize the structure to achieve the best fan efficiency and the lowest running noise.



Fan efficiency compare

Φ200 @ 1300 r/min				
Pressure(Pa)	Airflow(m3/h)		Power(W)	
	AL	Plastic	AL	Plastic
0	433	441	7	6
10	337	370	8	7
20	210	275	10	7
30	156	179	11	8



Noise compare

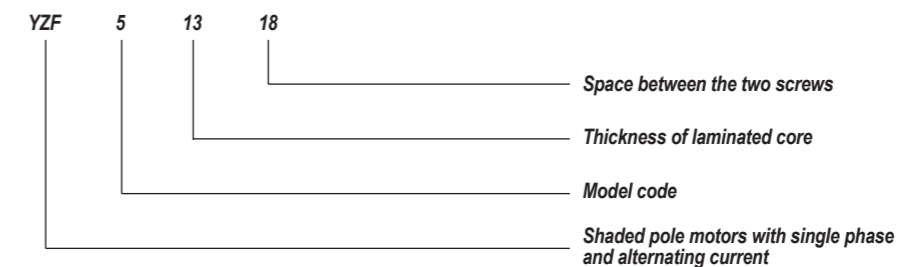
	Φ172 @ 1300 r/min	Φ200 @ 1300 r/min	Φ254 @ 1300 r/min
AL	39.3dB	40.9dB	51.2dB
Plastic	34.9dB	37.4dB	46.6dB

YZF SHADED POLE MOTORS

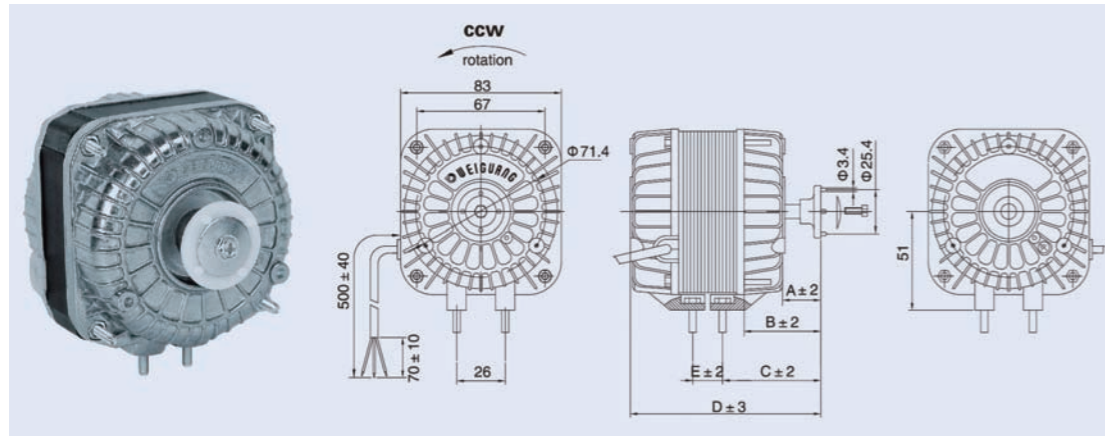
Summary of YZF series shaded Pole motors

- YZF series motors are shaded pole motors with single phase, 4 shaded poles and running at rated voltage of 220-240V, 50/60Hz or 110-120V, 60Hz. They are widely used in the radiator, evaporator and other refrigeration equipment.
- All material conform to RoHS.
- The output power is from 2W to 34W, which is relative to the stack length and coil parameters.
- The insulation class of motors is B, and the protection class of that is IP42. On request IP44 is available.
- The motor, which output power less than 10W are impedance protection and the motors, which output is bigger than 10W, are thermal protected. The thermal protector's is 125°C ± 5°C, 135°C ± 5°C, 150°C ± 5°C.
- The applicable ambient temperature is from -30°C to 50°C.
- Because our standard motors adopt sleeve bearing, we suggest installing these motors horizontally. On request motors can be furnished with ball bearings.
- The average service life of motors is over 20000 hours.
- Most of shaded pole motors passed CE VDE UL and CCC approval.
- Before operating the motor, make sure the earth wire of the motor connected with the external grounding device.

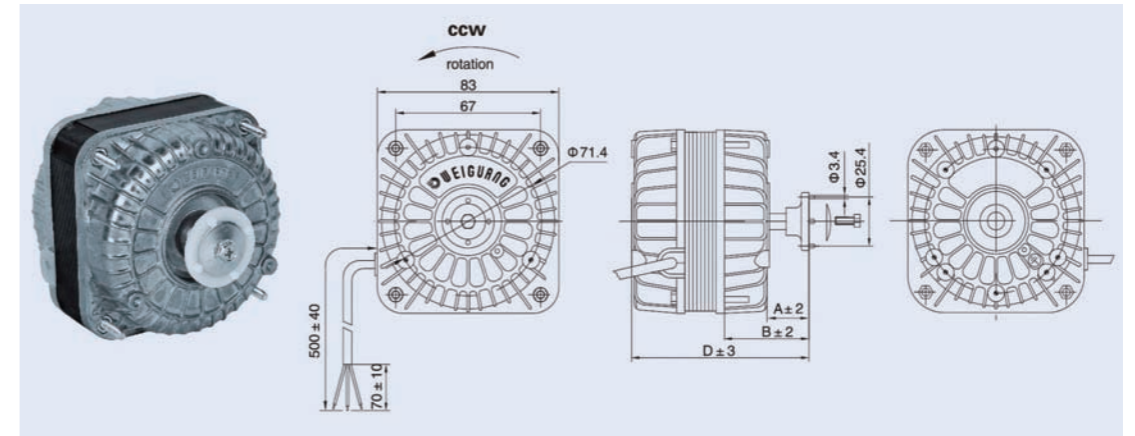
Illustration of model



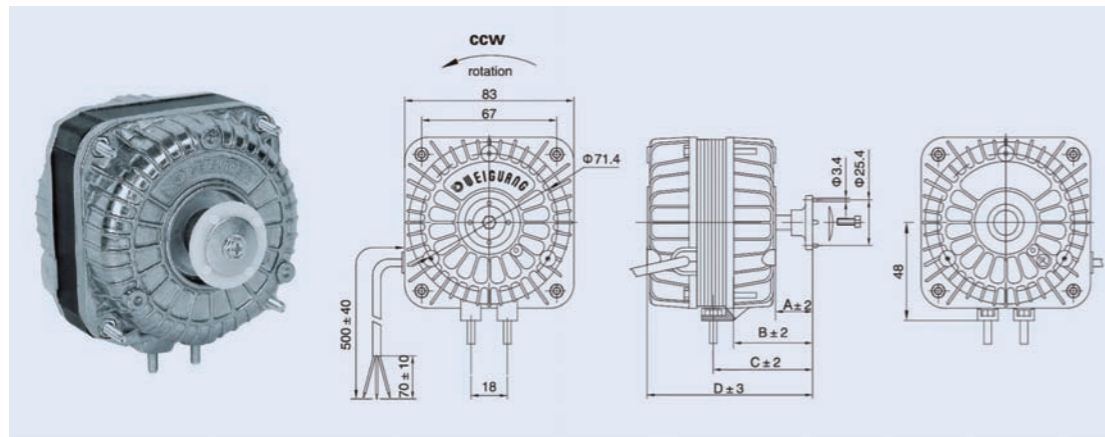
YZF26 Shaded Pole Motors



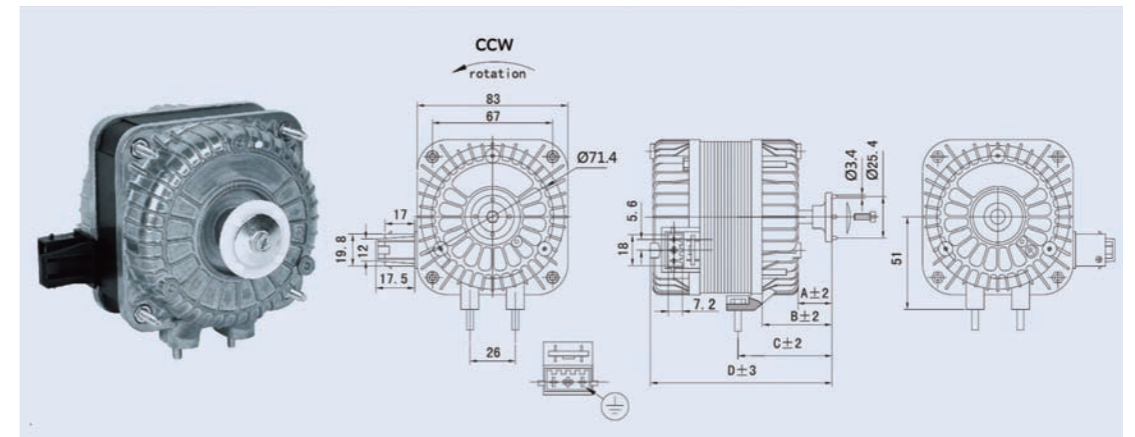
YZF00 Shaded Pole Motors



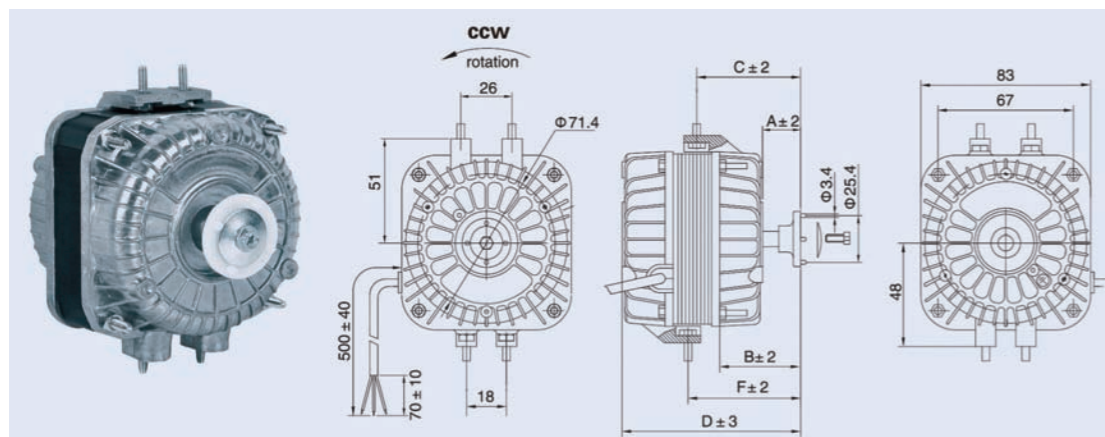
YZF18 Shaded Pole Motors



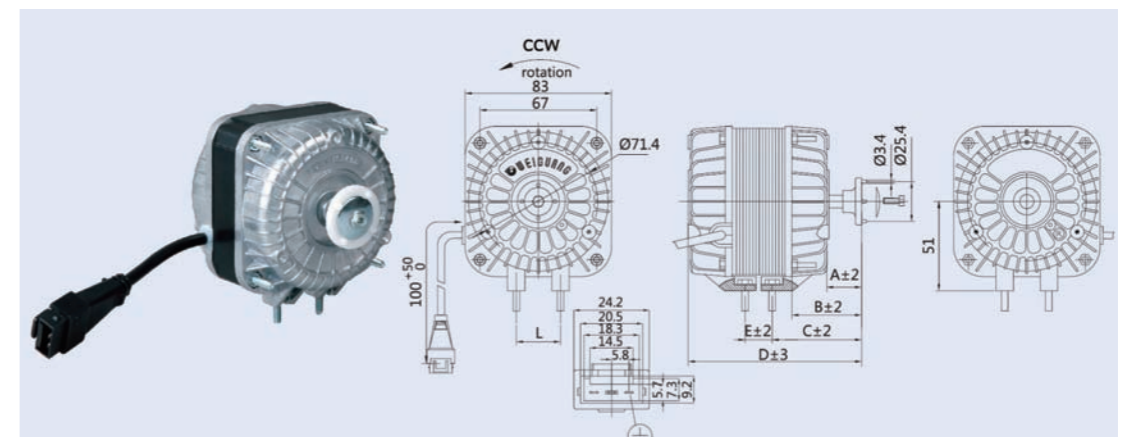
YZF-P With Pin Terminal Motors



YZF18/26 Shaded Pole Motors



YZF Motors with plug

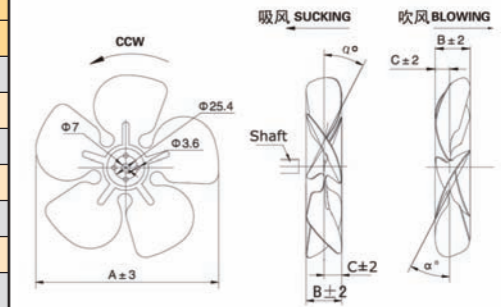


Specification

TYPE	VOLTAGE V	FREQUENCY Hz	RATED INPUT W	OUT PUT W	RATED CURRENT A	RATED SPEED r/min	AIR VOLUME m ³ /h	FAN BLADE mm	NET WEIGHT kg	A mm	B mm	C mm	D mm	E mm	F mm
YZF 2-13	220~240	50/60	20	2	0.14	1300	205	Φ172	0.8	16.5	35.5	46	81	-	45
YZF5-13	220~240	50/60	29	5	0.20	1300	455	Φ200	0.8	16.5	35.5	46	81	-	45
YZF6-13	110~120	60	33	6	0.55	1550	510								
YZF7-20	220~240	50/60	31	7	0.23	1300	640	Φ230	1.1	16.5	35.5	46	87	-	51
YZF10-20	220~240	50/60	36	10	0.25	1300	650	Φ230	1.1	16.5	35.5	46	87	-	51
	110~120	60	55	10	0.80	1550	800								
YZF12-20	220~240	50/60	54	12	0.36	1300	690	Φ230	1.1	16.5	35.5	45	87	-	51
YZF16-25	220~240	50/60	60	16	0.45	1300	760	Φ254	1.4	15.5	34.5	48.5	92	-	56
YZF18-25	110~120	60	70	18	1.01	1550	940								
YZF18-30	220~240	50/60	70	18	0.50	1300	1000	Φ254	1.5	18	38	48.5	101	21	64.5
	110~120	60	75	18	1.00	1450									
YZF25-40	220~240	50/60	90	25	0.70	1300	1030	Φ300	1.8	19	39	49.5	112	31	75.5
	110~120	60	100	25	1.40	1450									
YZF34-45	220~240	50/60	110	34	0.85	1300	1210	Φ300	2.0	23	43	53.5	121	36	84.5
	110~120	60	110	34	1.50	1450									

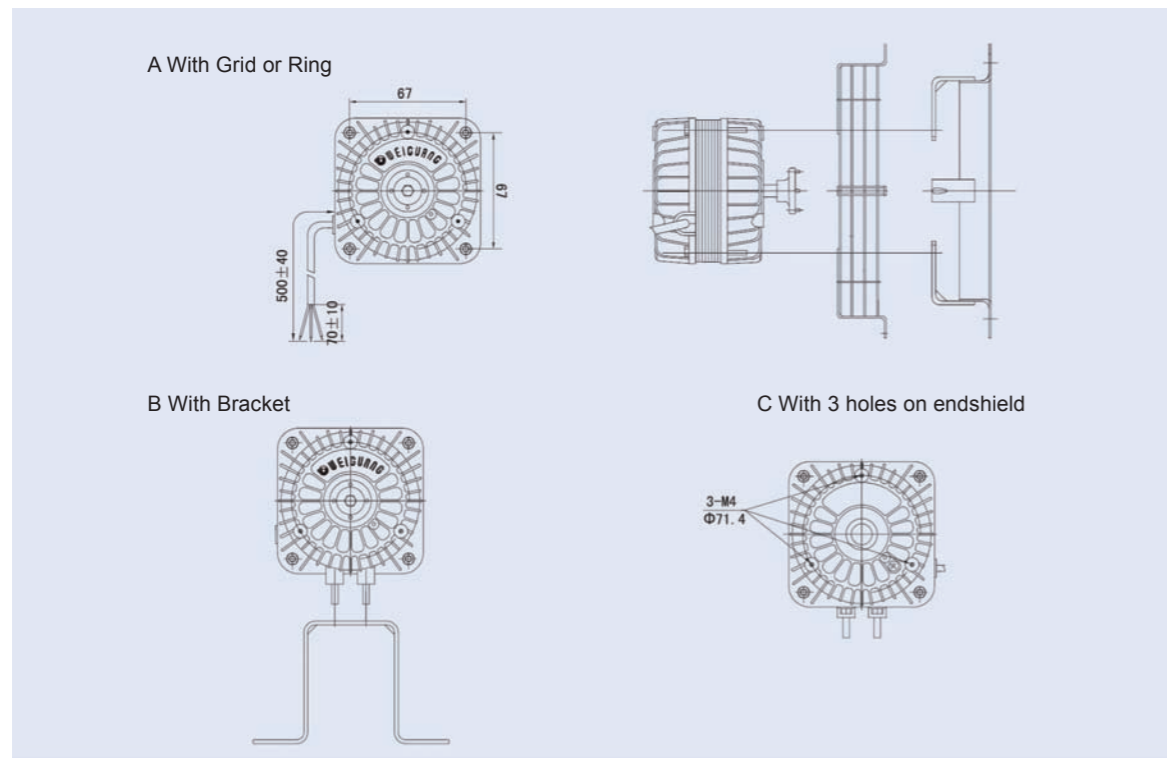
Fan blade

Fan Type	α	19°		22°		25°		28°		31°		34°	
		A	B	C	B	C	B	C	B	C	B	C	B
Φ154	154	23	12	26	13	29	15	32	17	36	18	39	21
Φ172	172	25	13	28	14	31	16	34	17	38	18	41	21
Φ198	198	27	14	30	15	33	17	36	19	40	21	43	24
Φ230	230	30	15	33	16	36	19	39	21	42	20	45	23
Φ250	248	31	15	34	16	37	19	40	20	43	21	45	22
Φ254	254	32	15	35	16	38	18	41	21	44	22	47	23
Φ300	298	31	16	35	17	41	21	44	22	48	25	52	27



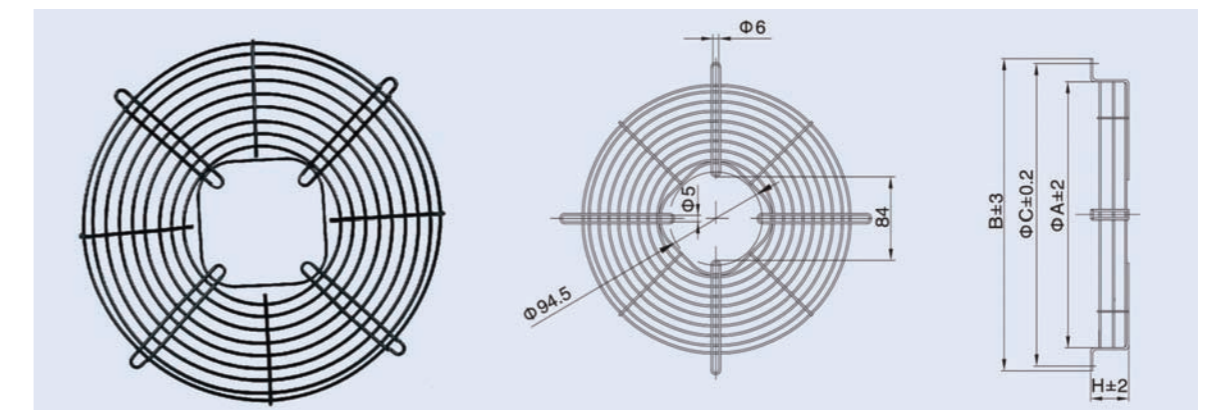
Type Fan	YZF2-13		YZF5-13		YZF7-20		YZF10-20		YZF12-20		YZF16-25		YZF18-30		YZF25-40		YZF34-45		
	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	
Φ154	28	28																	
Φ172	28	28	31	31															
Φ200			28	28	31	31	31	31											
Φ230					28	28	28	28	34	31									
Φ250							22	22	28	28	28	28							
Φ254											28	25	31	28					
Φ300													22	22	25	22	28	25	

Installation of shaded pole motor

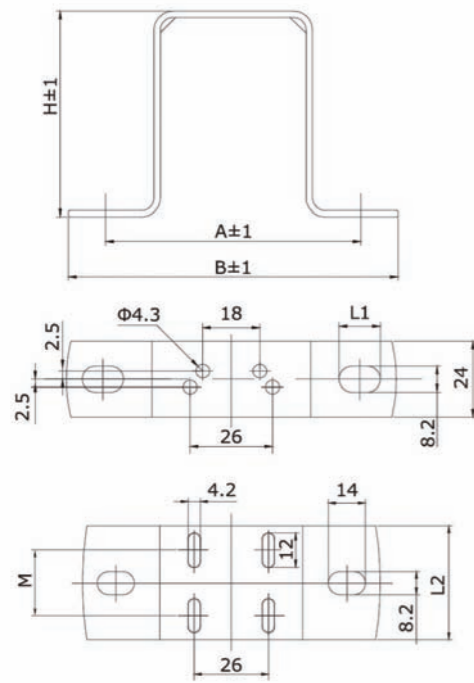


Grid

TYPE	Φ154	Φ172	Φ200	Φ230	Φ254	Φ300
A	170	188	214	246	270	324
B	202	220	248	278	302	356
C	190	208	236	266	290	344
H	11	11	25	27	17	17

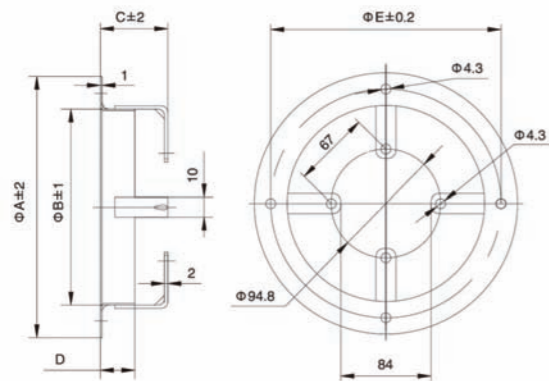


Bracket



TYPE	H	A	B	L1	L2	M
H39	39	78	100	14	-	-
H55	55	81	106	13	-	-
H72	72	81	106	13	-	-
H84	84	81	106	20	-	-
H92	92	81	106	14	-	-
H109-1	109	81	106	14	-	-
H109-2	109	78	100	14	39	21
H109-3	109	78	100	14	49	29

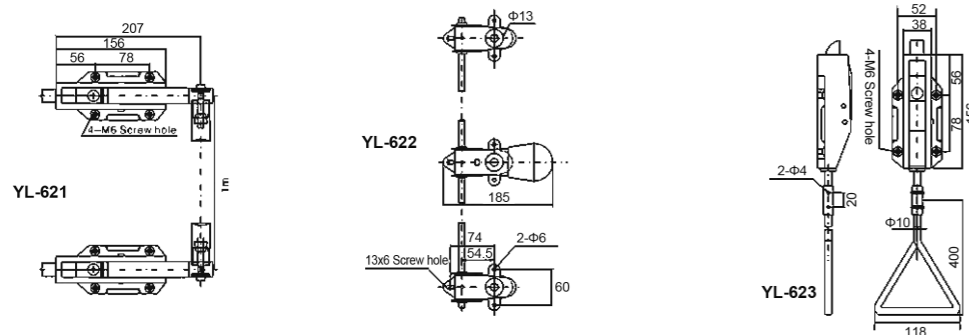
Ring



sucking

TYPE	ΦA	ΦB	C	D	ΦE
Φ154	200	162	49	25	190
Φ172	223	180	49	25	208
Φ200	246	208	49	25	236
Φ230	278	238	49	25	266
Φ254	300	268	49	25	290
Φ300	378	308	49	30	365

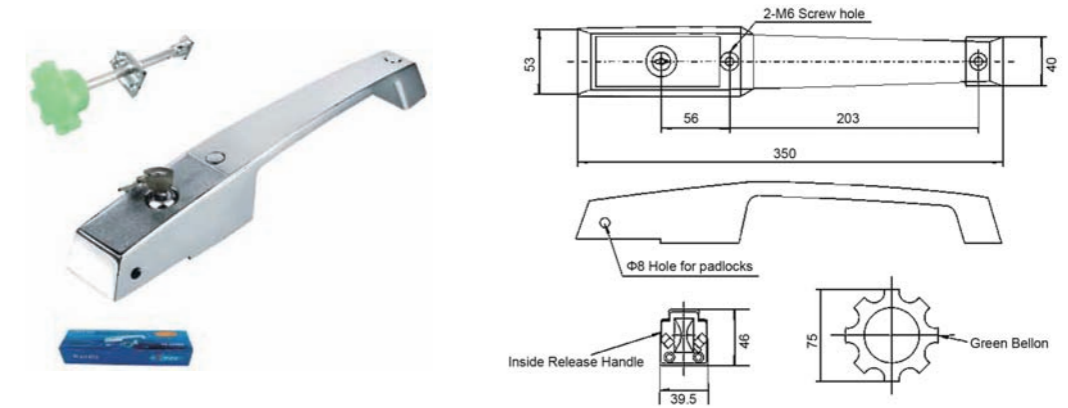
DOUBLE SAFETY LATCHES & INSIDE RELEASE LATCHES



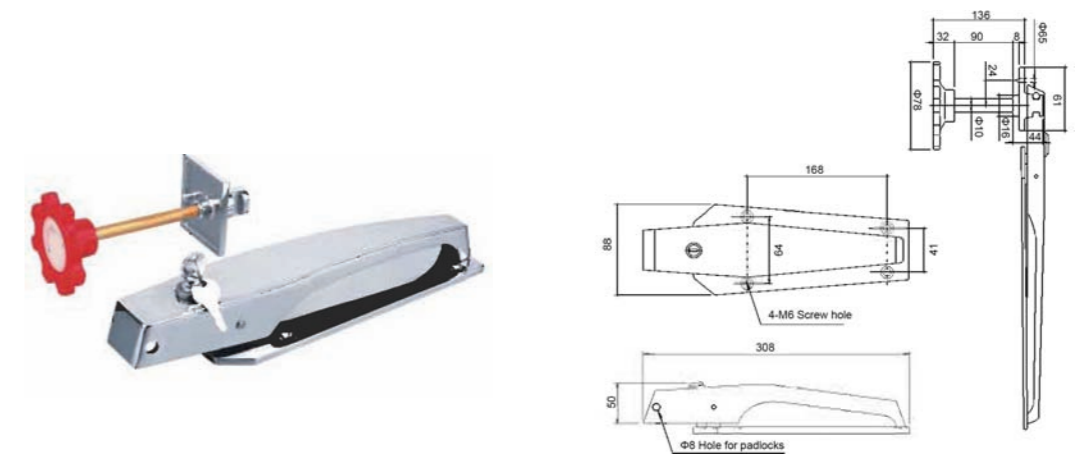
Model No.	Name	Material	Install Ation Height(mm)	Weight(kg)
YL-621A	Double Plane Safety Latch	High Pressure Die-Cast Zinc	0	3.4
YL-621G	Double Cam-Lift Safety Latch	High Pressure Die-Cast Zinc	40-70	3.8
YL-622	Double Inside Release Handle	Stainless Steel	-	1.75
YL-623A	Double Plane Finger-Pull Safety Latch	High Pressure Die-Cast Zinc	0	1.72
YL-623G	Double Cam-Lift Finger-Pull Safety Latch	High Pressure Die-Cast Zinc	40-70	1.78
YL-621ASS	Double Plane Finge Safety Latch	Stainless Steel	0	3.4
YL-621GSS	Double Cam-Lift Finger-Pull Safety Latch	Stainless Steel	40-70	3.8
YL-623ASS	Double Plane Finger-Pull Safety Latch	Stainless Steel	0	1.72
YL-623GSS	Double Cam-Lift Finger-Pull Safety Latch	Stainless Steel	40-70	1.78

Note: standard rod is 1 meter,if special needs can be customized

DOUBLE SAFETY LATCHES & INSIDE RELEASE LATCHES



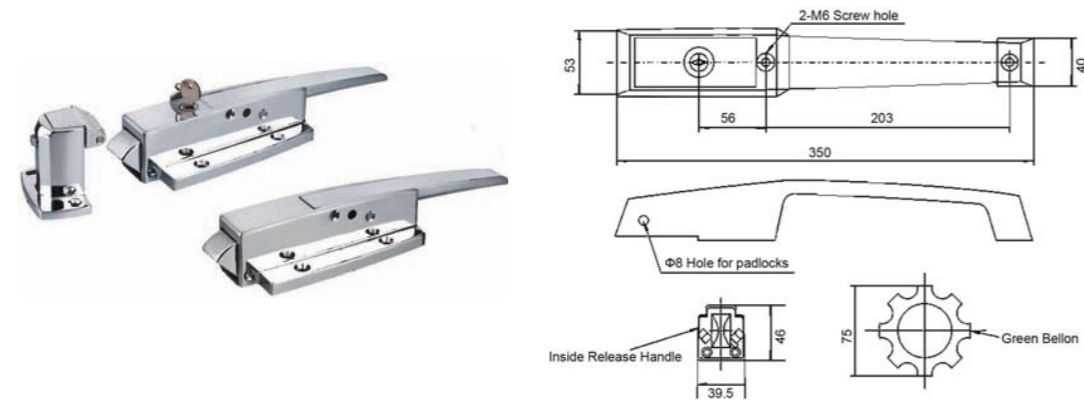
Model No.	Name	Material	Remarks	Weight(kg)	Packing No.(SETS)
YL-1238L	Locking Handle	High Pressure Die-Cast Zinc	—	1.4	16
YL-1238L-P	Inside Release Handle	High Pressure Die-Aluminum Alloy	with lluorescent	0.17	—



Model No.	Name	Material	Weight(kg)	Packing No.(SETS)
YL-1333L	Locking Handle	High Pressure Die-Cast Zinc	1.8	16
YL-1333L-P	Inside Release Handle	Brass & Zinc	0.3	—

- 1.Special designed plane door hinge,safe and durable.
- 2.Beautiful figure.The door frame and coldroom wall are in the same plane.
- 3.With YL-2000 or YL-200 series of door closer can close door quietly,and preventhe cold air leaking.

SAFETY LATCHES & INSIDE RELEASE LATCHES



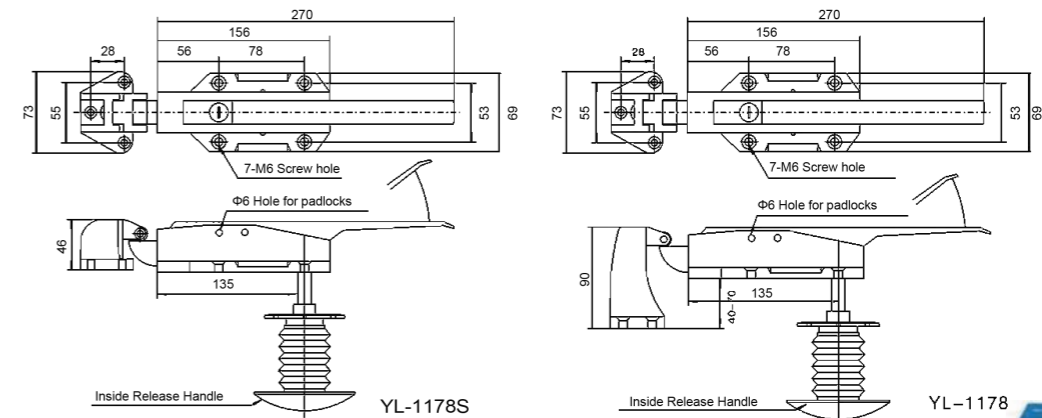
Model No.	Name	Material	Remarks	Weight(kg)	Packing No.(SETS)
YL-W38	Cam-lift Safety Latch	High Pressure Die-Cast Zinc	With Lock	2.3	10
YL-W38B	Cam-lift Safety Latch	High Pressure Die-Cast Zinc	W/O Lock	2.3	10



Model No.	Name	Material	Weight(kg)	Remarks
YL-P1	Inside Release Handle	Nylon Fiber	0.12	Rod Length 105mm
YL-P2	Inside Release Handle	Nylon Fiber	0.12	Rod Length 155mm
YL-P3	Inside Release Handle	Stainless Steel	0.48	Rod Length 150mm
YL-P4	Inside Release Handle	Iron	0.35	Rod Length 160mm

Above Four Inside Lease Handle Apply to YL-W38 or YL-1178

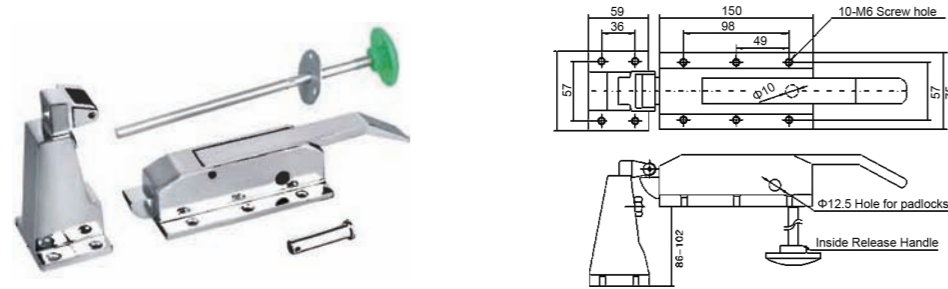
SAFETY LATCHES & INSIDE RELEASE LATCHES



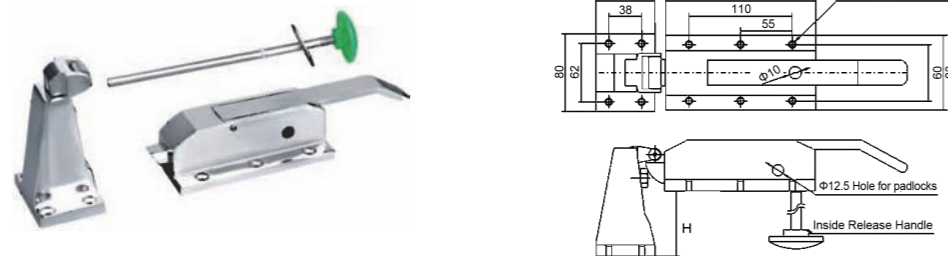
Model No.	Name	Material	Install Ation Height(mm)	Weight(kg)	Packing No. (SETS)
YL-1178	Cam-lift Safety Latch	High Pressure Die-Cast Zinc	40-70	1.7	12
YL-1178S	Plane Safety Latch	Hight Pressure Die-Cast Zinc	0	1.5	12
YL-1178SS	Cam-lift Safety Latch	Stainless Steel	40-70	1.7	12
YL-1178SSS	Plane Safety Latch	Stainless Steel	0	1.65	12
YL-1178K	Safety Latches inside Release Handle	High Pressure Die-Cast Zinc	-	0.65	-

The product have insurances,if inside release handle is broken,the peoplein the coldroom canopen threaded rod to leave

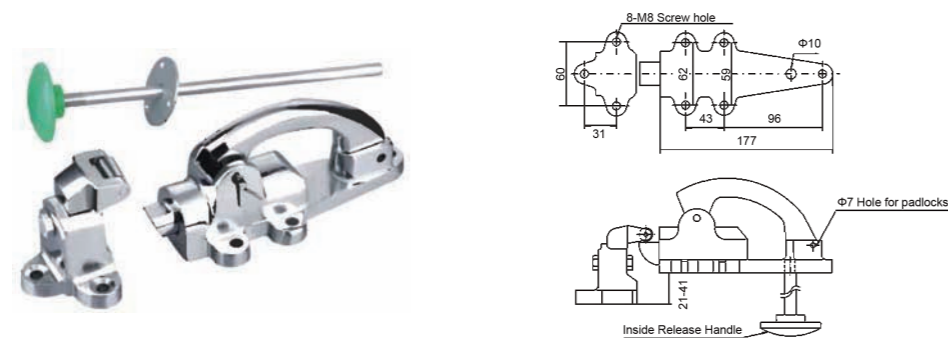
SAFETY LATCHES & INSIDE RELEASE LATCHES



Model No.	Name	Material	Install Ation Height	Weight(kg)	Packing No.(SETS)
YL-1700	Cam-Lift Safety Latch	High Pressure Die-Cast Zinc	86-102	1.9	10

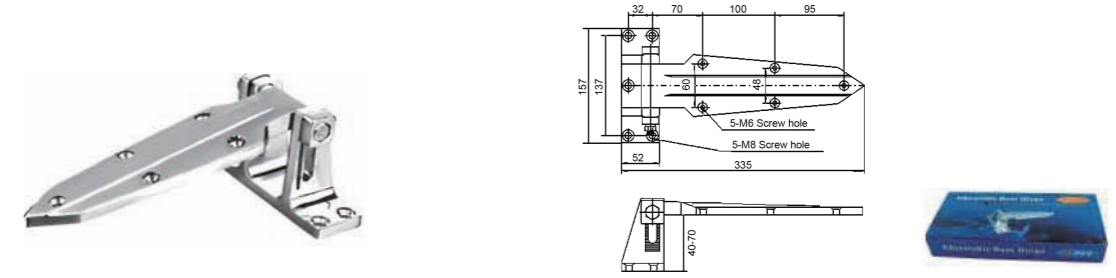


Model No.	Name	Material	Install Ation Height	Weight(kg)	Packing No.(SETS)
YL-1700FA	Cam-Lift Safety Latch	Cast Iron	80-100	2.85	10
YL-1700FG	Cam-Lift Safety Latch	Cast Iron	80-110	2.95	8



Model No.	Name	Material	Install Ation Height	Weight(kg)	Packing No.(SETS)
YL-1580F	Cam-Lift Safety Latch10"	Cast Iron	20-40	2.2	10

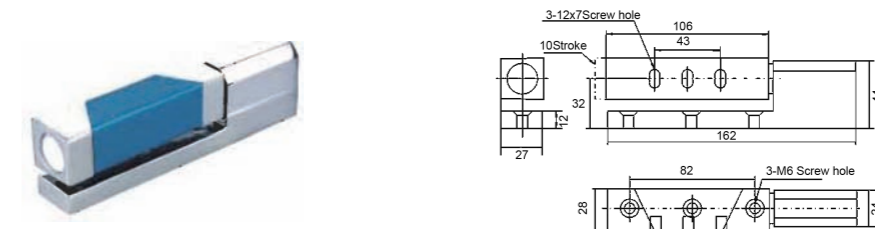
SAFETY LATCHES & INSIDE RELEASE LATCHES



Model No.	Name	Material	Install Ation Height	Weight(kg)	Packing No.(SETS)
YL-1470	Adjustable Door Hinges	High Pressure Die-Cast Zinc	40-70	1.65	12

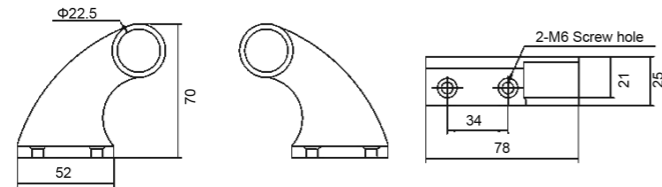


Model No.	Name	Material	Install Ation Height	Weight(kg)	Packing No.(SETS)
1450	Adjustable Door Hinges	High Pressure Die-Cast Zinc	32-50	0.8	24
1460	Adjustable Door Hinges	High Pressure Die-Cast Zinc	32-60	0.9	24
1460SS	Adjustable Door Hinges	Stainless Steel	32-60	0.92	24
1470B	Adjustable Door Hinges	High Pressure Die-Cast Zinc	35-70	0.98	24
1470BSS	Adjustable Door Hinges	Stainless Steel	35-70	0.95	24

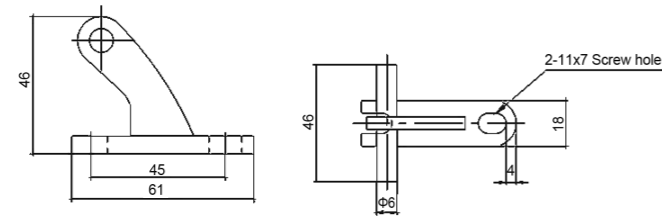


Model No.	Name	Material	Weight (kg)	Packing No.(SETS)
YL-1132	Reversible Reach-in Edgenount Cam-Life Hinge	High Pressure Die-Cast Zinc	0.5	50

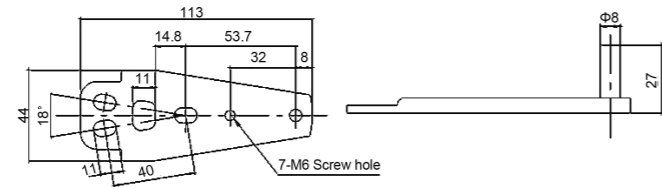
DOOR PARTS



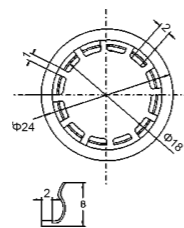
Model No.	Name	Material	Weight(kg)	Packing No.(SETS)
YL-20	Handle	High Pressure Die-Cast Zinc	0.24	75



Model No.	Name	Material	Weight(kg)	Packing No.(SETS)
YL-30	Chassis	High Pressure Die-Cast Zinc	0.06	350

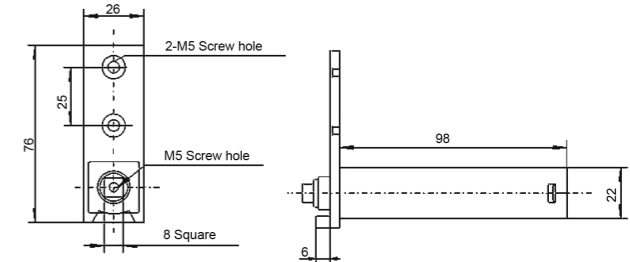


Model No.	Name	Material	Weight(kg)	Packing No.(SETS)
YL-31	Chassis	Cold Pressing	0.095	200

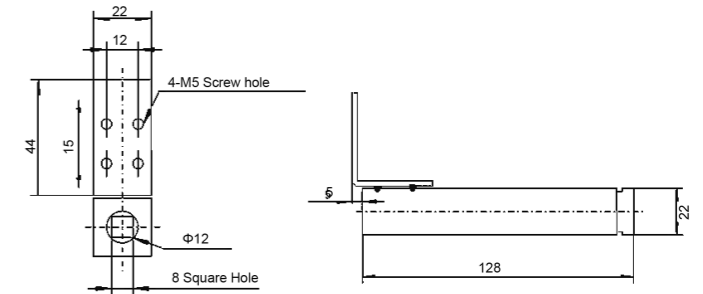


Model NO.	Name	Material	Weight (kg)	Packing No.(SETS)
YL-06	End cap	Stainless Steel	0.026	5000

DOOR PARTS



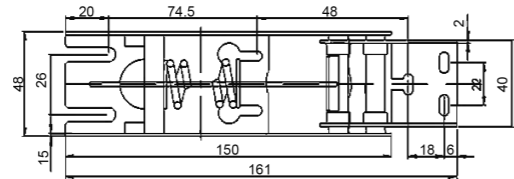
Model No.	Name	Material	Weight(kg)	Packing No.(SETS)
YL-45	Concealed Spring Hinge	High Pressure Die-Cast Zinc	0.23	100



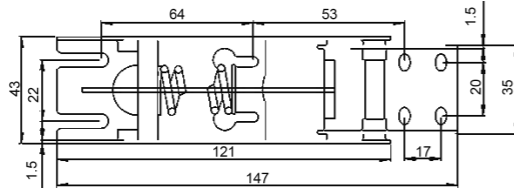
Model No.	Name	Material	Weight(kg)	Packing No.(SETS)
YL-45F	Concealed Spring Hinge	Cold Pressing	0.26	100



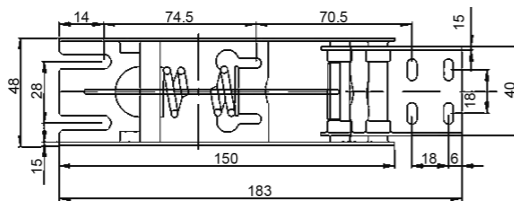
REFRIGERATOR SPRING HINGES



Model No.	Name	Material	Diameter of spring(mm)	O.D. (mm)	Cycle Number	length (mm)	Weight (kg)	Packing No.(pcs)
YL-650(3.5)	Refrigerator Spring Hinge	Cold Pressing	Φ3.5	24	8	54	0.36	50
YL-650(4.0)	Refrigerator Spring Hinge	Cold Pressing	Φ4.0	24	8	54	0.36	50
YL-650(5.0)	Refrigerator Spring Hinge	Cold Pressing	Φ5.0	27.5	7	54	0.36	50

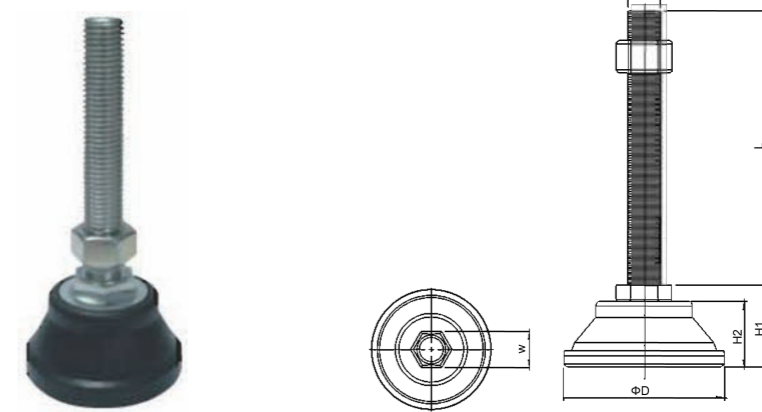


Model No.	Name	Material	Diameter of spring(mm)	O.D. (mm)	Cycle Number	length (mm)	Weight (kg)	Packing No.(pcs)
YL-651(2.8)	Refrigerator Spring Hinge	Cold Pressing	Φ2.8	18.7	7	38	0.25	100
YL-651(3.0)	Refrigerator Spring Hinge	Cold Pressing	Φ3.0	19.0	7	38	0.25	100
YL-651(3.2)	Refrigerator Spring Hinge	Cold Pressing	Φ3.2	19.4	7	38	0.25	100
YL-651(3.8)	Refrigerator Spring Hinge	Cold Pressing	Φ3.8	20.5	7	38	0.25	100

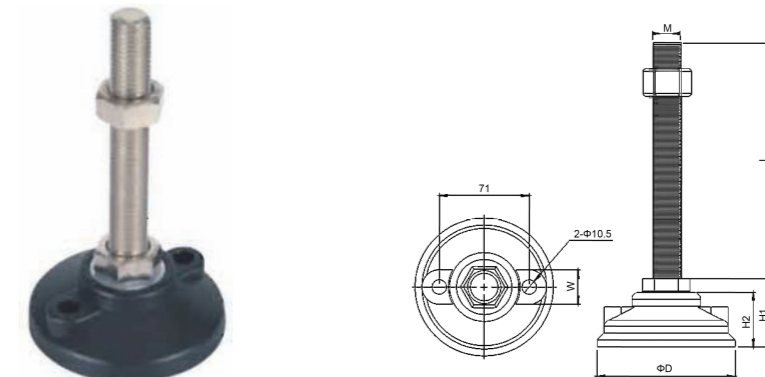


Model No.	Name	Material	Diameter of spring(mm)	O.D. (mm)	Cycle Number	length (mm)	Weight (kg)	Packing No.(pcs)
YL-652(3.5)	Refrigerator Spring Hinge	Cold Pressing	Φ3.5	24	8	54	0.36	50
YL-652(4.0)	Refrigerator Spring Hinge	Cold Pressing	Φ4.0	24	8	54	0.36	50
YL-652(5.0)	Refrigerator Spring Hinge	Cold Pressing	Φ5.0	27.5	7	54	0.36	50

ADJUSTABLE-FOOT INSERT

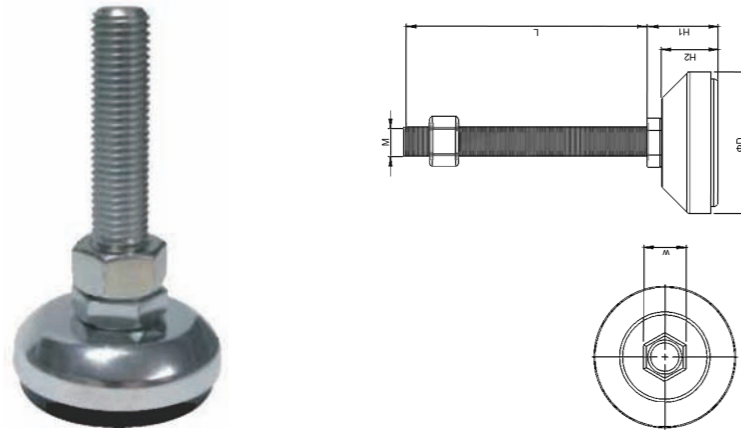


Model No.		Form	Size				Loading (kg)	Material / Surface treatment	Specification	
Iron	Stainless steel		M	L	ΦD	H1				H2
YL-6516100A	YL-6516100S	不含盘垫	M16*P2.0	100	65	41	32.7	24	盘座:尼龙, 黑色 螺杆:铁, 不锈钢 盘垫:橡胶, 耐油 耐热130度 Body:Iron& Stainless stael Foot:Nylon	螺杆与盘座结合处斜度设计, 防止因间隙产生共振; 防振, 防锈, 防滑, 耐磨损, 耐油。
YL-6516150A	YL-6516150S		M16*P2.0	150						
YL-6520100A	YL-6520100S		M16*P2.5	100	43	30	800			
YL-6520150A	YL-6520150S	含盘垫	M16*P2.5	150	67	44.6	36.2	24		
YL-6516100A	YL-6516100S		M16*P2.0	100						
YL-6516150A	YL-6516150S		M16*P2.0	150	46.6	30	800			
YL-6520100A	YL-6520100S	M16*P2.5	100							
YL-6520150A	YL-6520150S	M16*P2.5	150							



Model No.		Form	Size				Loading (kg)	Material / Surface treatment	Specification	
Iron	Stainless steel		M	L	ΦD	H1				H2
YL-10016100A	YL-10016100A	不含盘垫	M16*P2.0	100	100	41	33	24	盘座:尼龙, 黑色 螺杆:铁, 不锈钢 盘垫:橡胶, 耐油耐热130度 Body:Iron& Stainless stael Foot:Nylon	螺杆与盘座结合处斜度设计, 防止因间隙产生共振; 防振, 防锈, 防滑, 耐磨损, 耐油。
YL-10016150A	YL-10016150A		M16*P2.0	150						
YL-10020100A	YL-10020100A		M16*P2.5	100	43.3	24	800			
YL-10020150A	YL-10020150A	M16*P2.5	150							

ADJUSTABLE-FOOT INSERT

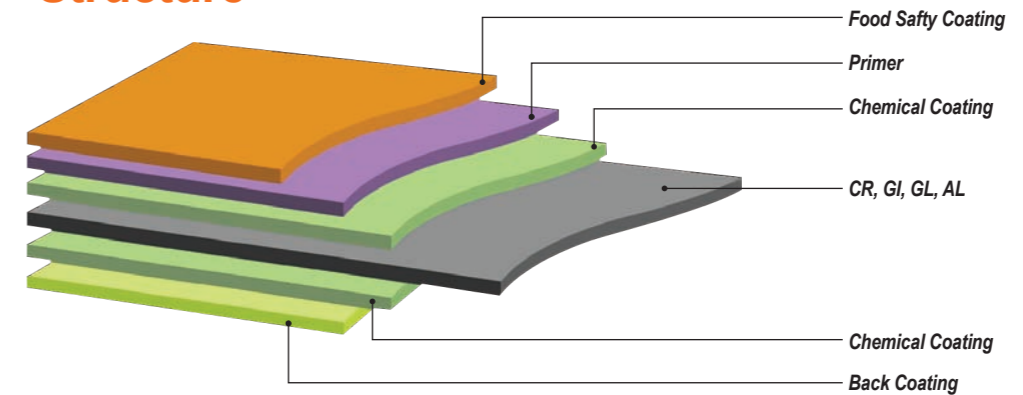


Model No.		Size						Loading (kg)	Material / Surface treatment	Specification
Iron	Stainless steel	M	L	ΦD	H1	H2	W			
YL-40835A	YL-40835S	M8*P1.25	35	40	20	15	13	100	盘座:尼龙, 黑色 螺杆:铁, 不锈钢 盘垫:橡胶, 耐油 耐热130度 Body:Iron& Stainless stael Fool:Nylon	螺杆与盘座结合处斜度设计, 防止因间隙产生共振; 防振, 防锈, 防滑, 耐磨损, 耐油。
YL-40850A	YL-40850S		30					100		
YL-40875A	YL-40875S		75					100		
YL-401050A	YL-401050S		50					150		
YL-401075A	YL-401075S	M10*P1.5	75	40	21	15	17	150		
YL-4010100A	YL-4010100S		100					150		
YL-501050A	YL-501050S		50					200		
YL-501075A	YL-501075S		75					200		
YL-5010100A	YL-5010100S	M12*P1.75	100	50	24	18	19	200		
YL-501250A	YL-501250S		50					250		
YL-501275A	YL-501275S		75					250		
YL-5012100A	YL-5012100S		100					250		
YL-601250A	YL-601250S	M12*P1.75	50	60	27.5	20	19	300		
YL-601275A	YL-601275S		75					300		
YL-6012100A	YL-6012100S		100					300		

COLD STORAGE USAGE PRE-PAINTED COIL

Food Safty Pre-painted Galvanized Coil
Food Safty Pre-painted Galvanlume Coil
Food Safty Pre-painted Aluminized Coil

Structure



End Usage

Cold storage and Freeze equipment for food industry.



Performance Parameter

Coating Paint	Food Safty Coating	Cross Cut Test(SO 2429)	< 1
Nominal Coating Thickness	≥30um	Erichsen Test	≥6mm
Color Matching	Light colors(L≥75) ΔE≤0.8 Medium colors(40≤L<75) ΔE≤1.0 Dark colors(L<40) ΔE≤1.2	Salt Spray Resistance	Top side:≥500hrs (250hrs when <Z225)
Specular Gloss At 60°	≤90	Resistance To Solvent-MEK	min 100 double rubs for top side min 50 double rubs for back side
Pencil Hardness	≥HB	QUA-A Test(2000hrs)	ΔE ≤ 5.0
T-bend test	≤3T	Life Of Usage	≥10
Impact Test	≥9J		

VS COMPRESSOR RANGE

HVD VS Compressor Range

HVD VS compressor is a new platform for Huayi compressor independent design frequency conversion technology, owned many VS core patent technology, whole body height less than 126mm, and weight less than 5.1 kg, max cop can reach 2.02, max cooling capacity can reach 280w. It's a global leading intelligent and high efficiency VS compressor.



COMPRESSOR RANGE

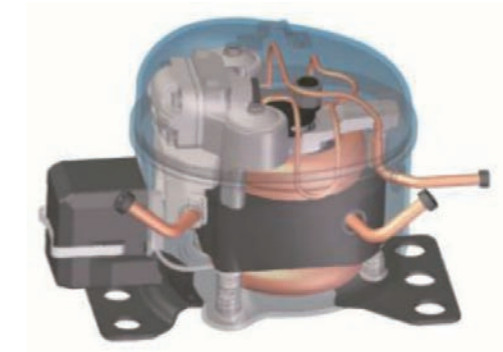
HYB-J range

Features:
Displacement: 2.2cm³-6.0cm³
Cooling capacity: 55w-95w
Refrigerant: R134a, R600a
Advantages:
Miniaturization;
Low noise;
High stability, tested performance;



HYB range

Features:
Displacement: 3.5cm³-9.6cm³
Cooling capacity: 65w-165w
Refrigerant: R134a, R600a
Advantages:
Easy mounting;
Miniaturization;
Low noise and vibration;
High stability, tested performance;



HYS range

Features:
Displacement: 4.5cm³-8.1cm³
Cooling capacity: 65w-145w
Refrigerant: R134a, R600a
Advantages:
Easy mounting;
Miniaturization;
Low noise and vibration;
Wide range of energy consumption;



Features



EFFICIENCY
the highest efficient VS range



LOWER NOISE



FAST COOLING AND FRESHNESS
cooling time reduces about 20% compared with CS compressors

COMPRESSOR RANGE



HYE range

Features:

Displacement: 5.0cm³-13.1cm³

Cooling capacity: 95w-245w

Refrigerant: R134a,R600a

Advantages:

Super efficiency;
Low noise and vibration;
Good performance of low voltage start;
High stability, tested performance;

HY range

Features:

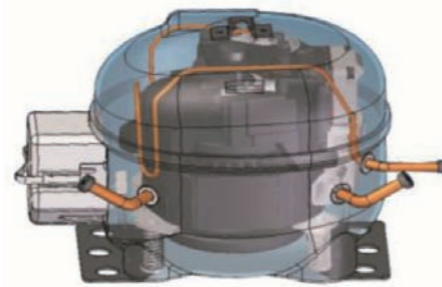
Displacement: 6.9cm³-15.3cm³

Cooling capacity: 195w-430w

Refrigerant: R134a,R600a

Advantages:

High reliability;
High efficiency;
Low noise and vibration;
Strong overload ability;



VARIABLE SPEED COMPRESSOR PERFORMANCE PARAMETERS

Test conditions	According to ASHRAE	Working condition limit	
Evaporating temperature	-23.3°C	Max discharge pressure	0.98 [Mpa] gauge pressure
Condensing temperature	54.4°C	Max allowable housing temperature	95 [°C]
Subcooling temperature	32.2°C	Max discharge temperature	110 [°C]
Suction temperature	32.2°C	Max pressure housing endured	2.4 [Mpa] gauge pressure
Ambient temperature	32.2°C	Low voltage start	0.25/0.25Mpa(gauge pressure)187V

VARIABLE SPEED COMPRESSOR PERFORMANCE PARAMETERS

R600a Technical Data Sheet

Range	Model	Displ (cm ³)	Cooling Type	Motor Type	Frequency (Speed)	Cooling Capacity (W)	COP (W/W)	Motor Description	Certification	Shell height
HVD	HVD58MTa	5.8	ST	PMSM	40(1200)	42	1.72	Al	CCC	125.5
					60(1800)	62	1.77			
					80(2400)	83	1.78			
					100(3000)	104	1.75			
	HVD58MX	5.8	ST	PMSM	40(1200)	42	1.83	Cu	CCC	125.5
					60(1800)	62	1.90			
					80(2400)	83	1.89			
					100(3000)	104	1.83			
	HVD70MTa	7.0	ST	PMSM	40(1200)	48	1.71	Al	CCC	125.5
					60(1800)	76	1.76			
					80(2400)	102	1.80			
					100(3000)	125	1.77			
	HVD70MX	7.0	ST	PMSM	40(1200)	48	1.84	Cu	CCC	125.5
					60(1800)	76	1.95			
					80(2400)	102	1.93			
					100(3000)	125	1.87			
	HVD90MTa	9.0	ST	PMSM	40(1200)	67	1.71	Al	CCC	125.5
					60(1800)	102	1.76			
					80(2400)	131	1.80			
					100(3000)	165	1.77			
HVD90MX	9.0	ST	PMSM	40(1200)	67	1.84	Cu	CCC	125.5	
				60(1800)	102	1.95				
				80(2400)	131	1.93				
				100(3000)	165	1.89				
HVD113MX	11.3	ST	PMSM	40(1200)	81	1.84	Cu	---	125.5	
				60(1800)	102	1.95				
				80(2400)	165	1.93				
				100(3000)	205	1.89				
					150(4500)	280	1.71			

Test condition:-23.3/54.4/32.2 °C

CONSTANT SPEED COMPRESSOR PERFORMANCE PARAMETERS

R600a-LBP Technical Data Sheet

115-127V~50Hz 115V~60Hz

Range	Model	Voltage (V)	Frequency (Hz)	Cooling	Displacement	Cooling Capacity (W)	COP (W/W)	Motor Type	Motor Description	Certification	Compressor Height(mm)
HYB-J	HYB35MHJ42a	115~	60	ST	3.5	65	1.35	RSIR	AI	---	130
HYB	HYB50MGU72a	115-127~	60	ST	5.0	96	1.58	RSCR	AI	---	153.6
	HYB60MHU42	115~	60	ST	6.0	120	1.40	RSIR	AI	UL	153.6
	HYB60MHU42a	115~	60	ST	6.0	120	1.50	RSCR	AI	UL	153.6
	HYB60MGU72a	115-127~	60	ST	6.0	120	1.58	RSCR	AI	---	153.6
	HYB60MKU72a	115-127~	60	ST	6.0	120	1.65	RSCR	AI	UL	161.1
	HYS	HYS67MGU72a	115-127~	60	ST	6.7	136	1.55	RSCR	AI	UL
HYS67MKU72a		115-127~	60	ST	6.7	136	1.63	RSCR	AI	UL	159.5
HYS69MKU42a		115~	60	ST	6.9	140	1.65	RSCR	AI	UL	159.5
HYS69MKU42a		115~	60	ST	6.9	140	1.70	RSCR	AI	---	173.5
HYE		HYE60MSU42	115~	60	ST	6.7	135	1.85*	RSCR	Cu	UL
	HYE81MSU42	115~	60	ST	8.1	160	1.80*	RSCR	Cu	UL	173.5
	HYE90MGU72	115-127~	60	ST	8.9	175	1.47	RSCR	Cu	UL	173.5
	HYE90MTU72a	115-127~	60	ST	8.9	175	1.72	RSCR	AI	---	176.5
	HYE105MGU72a	115-127~	60	ST	10.5	210	1.50	RSCR	AI	UL	173.5
	HYE105MKU72a	115-127~	60	ST	10.5	210	1.60	RSCR	AI	---	173.5
	HYE105MTU72a	115-127~	60	ST	10.5	210	1.70	RSCR	AI	---	173.5

CONSTANT SPEED COMPRESSOR PERFORMANCE PARAMETERS

R134a-LBP Technical Data Sheet

115-127V~50Hz 115V~60Hz

Range	Model	Voltage (V)	Frequency (Hz)	Cooling	Displacement	Cooling Capacity (W)	COP (W/W)	Motor Type	Motor Description	Certification	Compressor Height(mm)
HYB-J	HYB25YJ42a	115~	60	ST	2.5	78	1.05	RSIR	AI	---	130
HYB	HYB30Y72a	115-127~	60	ST	3.1	98	1.38	RSCR	AI	UL	153.6
	HYB41Y72a	115-127~	60	ST	4.1	130	1.30	RSIR	AI	UL	153.6
HYS	HYS45YT42	115~	60	ST	4.5	155	1.55	RSCR	AI	UL	159
HYE	HYE51YG42	115~	60	ST	5.1	165	1.43	RSCR	Cu	UL	167
	HYE51YT42	115~	60	ST	5.1	170	1.65	RSCR	Cu	UL	173.5
	HYE51YD72	115-127~	60	ST	5.1	180	1.80*	RSCR	Cu	---	176.5
	HYE55Y42	115~	60	ST	5.5	175	1.28	RSIR	Cu	UL	167
	HYE55YT42	115~	60	ST	5.5	180	1.65	RSCR	Cu	UL	173.5
	HYE55YD72	115-127~	60	ST	5.5	195	1.80*	RSCR	Cu	---	176.5
	HYE60Y42	115~	60	ST	6.0	200	1.28	RSIR	Cu	UL	167
	HYE60YT42	115~	60	ST	6.0	210	1.65	RSCR	Cu	UL	173.5
	HYE60YD72	115-127~	60	ST	6.0	220	1.80*	RSCR	Cu	---	176.5
	HYE72YD72	115-127~	60	ST	6.7	240	1.80*	RSCR	Cu	UL	176.5
HY	HY69Y42	115~	60	FC	6.9	225	1.25	RSIR	Cu	UL	191
	HY72YT72	115-127~	60	ST	6.9	235	1.65	RSCR	Cu	UL	191
	HY90YK52	127~	60	FC	8.1	270	1.47	RSCR	Cu	UL	191
	HY113Y42	115~	60	FC	11.3	370	1.30	CSR	Cu	UL	193

CONSTANT SPEED COMPRESSOR PERFORMANCE PARAMETERS

R600a-LBP Technical Data Sheet 220-240V~50Hz 220-240V~50/60Hz

Range	Model	Voltage (V)	Frequency (Hz)	Cooling	Displacement	Cooling Capacity (W)	COP (W/W)	Motor Type	Motor Description	Certification	Compressor Height(mm)
HYB-J	HYB35MJa	220-240V~	50	ST	3.5	55	1.15	RSIR	AI	CCC	130
	HYB35MGJ	220-240V~	50	ST	3.5	55	1.53	RSIR	AI	CCC	130
HYB	HYB40MJa	220-240V~	50	ST	4.0	65	1.15	RSIR	AI	CCC	130
	HYB50MJa	220-240V~	50	ST	5.0	75	1.10	RSIR	AI	CCC	130
	HYB60MJa	220-240V~	50	ST	6.0	95	1.10	RSIR	AI	CCC	130
	HYB50MHUa	220-240V~	50	ST	5.0	80	1.30	RSIR	AI	CCC	153.6
	HYB50MGUa	220-240V~	50	ST	5.0	85	1.53	RSCR	AI	CCC	153.6
	HYB60MHU	220-240V~	50	ST	6.0	100	1.45	RSIR	AI	CCC/VDE	153.6
	HYB60MGU	220-240V~	50	ST	6.0	100	1.55	RSCR	AI	CCC	153.6
	HYB60MGU	220-240V~	50	ST	6.0	100	1.49	RSIR	Cu	CCC	153.6
	HYB60MGUa	220-240V~	50	ST	6.0	100	1.49	RSIR	AI	CCC	161.1
	HYB60MKU	220-240V~	50	ST	6.0	100	1.65	RSCR	Cu	CCC	153.6
	HYB60MKUa	220-240V~	50	ST	6.0	100	1.65	RSCR	AI	CCC/VDE	161.1
	HYB69MHUa	220-240V~	50	ST	6.9	118	1.43	RSIR	AI	CCC	153.6
	HYB69MKUa	220-240V~	50	ST	6.9	120	1.65	RSCR	AI	CCC	161.1
	HYB81MHUa	220-240V~	50	ST	8.1	135	1.35	RSIR	AI	CCC	153.6
	HYB81MHUa	220-240V~	50	ST	8.1	135	1.45	RSIR	AI	CCC	153.6
	HYB81MKUa	220-240V~	50	ST	8.1	135	1.65	RSCR	AI	CCC	161.1
	HYB81MTUa	220-240V~	50	ST	8.1	138	1.72	RSCR	AI	CCC	161.1
	HYB90MHUa	220-240V~	50	ST	9.0	148	1.35	RSIR	AI	CCC	153.6
	HYB90MHUa	220-240V~	50	ST	9.0	148	1.45	RSIR	AI	CCC	153.6
	HYB90MKUa	220-240V~	50	ST	9.0	148	1.65	RSCR	AI	CCC	161.1
HYB90MTUa	220-240V~	50	ST	9.0	148	1.72	RSCR	AI	CCC	161.1	
HYB96MHUa	220-240V~	50	ST	9.6	160	1.30	RSIR	AI	CCC	153.6	
HYS	HYS55MSU	220-240V~	50	ST	5.5	95	1.83*	RSCR	Cu	CCC	159.5
	HYS55MSUa	220-240V~	50	ST	5.5	93	1.8*	RSCR	A	CCC	159.5

CONSTANT SPEED COMPRESSOR PERFORMANCE PARAMETERS

R600a-LBP Technical Data Sheet 220-240V~50Hz 220-240V~50/60Hz

Range	Model	Voltage (V)	Frequency (Hz)	Cooling	Displacement	Cooling Capacity (W)	COP (W/W)	Motor Type	Motor Description	Certification	Compressor Height(mm)
HYS	HYS55MXU	220-240V~	50	ST	5.5	95	1.88*	RSCR	Cu	CCC	159.5
	HYS60MKU	220-240V~	50	ST	6.0	100	1.65	RSCR	AI	CCC	153
	HYS60MTU	220-240V~	50	ST	6.0	100	1.74	RSCR	Cu	CCC/VDE	159.5
	HYS60MSU	220-240V~	50	ST	6.0	100	1.83*	RSCR	Cu	CCC/VDE	159.5
	HYS60MSUa	220-240V~	50	ST	6.0	100	1.83*	RSCR	AI	CCC/VDE	165
	HYS60MXUa	220-240V~	50	ST	6.0	102	1.88*	RSCR	AI	CCC	165
	HYS65MXUa	220-240V~	50	ST	6.5	110	1.88*	RSCR	AI	CCC	165
	HYS60MDU	220-240V~	60	ST	6.0	102	1.93*	RSCR	Cu	CCC	159.5
	HYS67MGU62	220-240V~	50	ST	6.7	136	1.55	RSCR	Cu	CCC/CB	153
	HYS67MKU62	220-240V~	50	ST	6.7	136	1.60	RSCR	Cu	CCC/CB	153
	HYS69MHU	220-240V~	50	ST	6.9	120	1.25	RSIR	AI	CCC	153
	HYS69MGU	220-240V~	50	FC	6.9	120	1.60	RSCR	Cu	CCC	153
	HYS69MGUa	220-240V~	50	ST	6.9	120	1.55	RSCR	AI	CCC	153
	HYS69MKU	220-240V~	50	ST	6.9	120	1.65	RSCR	Cu	CCC	153
	HYS69MKUa	220-240V~	50	ST	6.9	120	1.65	RSCR	AI	CCC	165
	HYS69MTU	220-240V~	50/60	ST	6.9	120	1.72	RSCR	Cu	CCC	159.5
	HYS69MTU	220-240V~	50	ST	6.9	120	1.72	RSIR	AI	CCC	165
	HYS69MSU	220-240V~	50	ST	6.9	120	1.83*	RSCR	Cu	CCC/VDE	159.5
	HYS69MSUa	220-240V~	50	ST	6.9	120	1.83*	RSCR	AI	CCC/VDE	165
	HYS69MXUa	220-240V~	50	ST	6.9	122	1.88*	RSCR	AI	CCC	165
HYS69MDU	220-240V~	50	ST	6.9	122	1.93*	RSCR	Cu	CCC	159.5	
HYS72MKUa	220-240V~	50	ST	7.2	128	1.65	RSCR	AI	---	159.5	
HYS81MKUa	220-240V~	50	ST	8.1	138	1.65	RSCR	AI	CCC	159.5	
HYS81MKU	220-240V~	50	ST	8.1	138	1.65	RSCR	Cu	CCC	153	
HYS81MTUa	220-240V~	50	ST	8.1	138	1.72	RSCR	AI	CCC	159.5	
HYS81MTU	220-240V~	50	ST	8.1	138	1.72	RSCR	Cu	CCC	159.5	

CONSTANT SPEED COMPRESSOR PERFORMANCE PARAMETERS

CONSTANT SPEED COMPRESSOR PERFORMANCE PARAMETERS

R600a-LBP Technical Data Sheet 220-240V~50Hz 220-240V~50/60Hz

R600a-LBP Technical Data Sheet 220-240V~50Hz 220-240V~50/60Hz

Range	Model	Voltage (V)	Frequency (Hz)	Cooling	Displacement	Cooling Capacity (W)	COP (W/W)	Motor Type	Motor Description	Certification	Compressor Height(mm)
HYS	HYS81MSUa	220-240V~	50	ST	8.1	138	1.80*	RSCR	Al	---	159.5
	HYS81MXUa	220-240V~	50	ST	8.1	138	1.85*	RSCR	Al	CCC	167.5
HYE	HYE50MXU	220-240V~	50	ST	5.5	95	1.93*	RSCR	Cu	CCC/VDE	173.5
	HYE50MDU	220-240V~	50	ST	5.5	96	2.00*	RSCR	Cu	CCC/VDE	173.5
	HYE50MEU	220-240V~	50	ST	6.0	98	2.05*	RSCR	Cu	---	176.5
	HYE55MTU	220-240V~	50	ST	6.0	102	1.74*	RSCR	Cu	CCC	173.5
	HYE55MSU	220-240V~	50	ST	6.0	102	1.83*	RSCR	Cu	CCC/VDE	173.5
	HYE55MXU	220-240V~	60	ST	6.0	105	1.93*	RSCR	Cu	CCC	173.5
	HYE55MXUa	220-240V~	50	ST	6.0	105	1.93*	RSCR	Al	CCC	173.5
	HYE55MDU	220-240V~	50	ST	6.0	108	2.00*	RSCR	Cu	CCC/VDE	173.5
	HYE60MKU	220-240V~	50	ST	6.7	115	1.68	RSCR	Cu	CCC/VDE	167
	HYE60MTU	220-240V~	50	ST	6.7	115	1.78*	RSCR	Cu	CCC/VDE	173.5
	HYE60MSU	220-240V~	50	ST	6.7	117	1.85*	RSCR	Cu	CCC	173.5
	HYE60MXU	220-240V~	50	ST	6.7	115	1.93*	RSCR	Cu	CCC	173.5
	HYE60MDU	220-240V~	50	ST	6.7	118	2.00*	RSCR	Cu	CCC/VDE	173.5
	HYE69MGU	220-240V~	50	ST	7.2	128	1.62	RSCR	Cu	CCC/VDE	167
	HYE69MKU	220-240V~	50	ST	7.2	125	1.68	RSCR	Cu	CCC/VDE	173.5
	HYE69MTU	220-240V~	50	ST	7.2	125	1.78*	RSCR	Cu	CCC/VDE	173.5
	HYE69MSU	220-240V~	50	ST	7.2	128	1.85*	RSCR	Cu	CCC/VDE	173.5
	HYE69MXU	220-240V~	50	ST	7.2	126	1.93*	RSCR	Cu	CCC/VDE	173.5
	HYE69MDU	220-240V~	50	ST	7.2	126	1.98*	RSCR	Cu	CCC/VDE	173.5
	HYE81MHU	220-240V~	50	ST	8.1	140	1.40	RSIR	Cu	CCC/VDE	167
HYE81MHU	220-240V~	50	ST	8.1	140	1.30	RSIR	Al	CCC/VDE	167	
HYE81MHU	220-240V~	50	ST	8.1	140	1.40	RSIR	Al	CCC/VDE	167	
HYE81MGU	220-240V~	50	ST	8.1	140	1.55	RSCR	Cu	CCC/VDE	173.5	
HYE81MKU	220-240V~	50	ST	8.1	140	1.68	RSCR	Cu	CCC/VDE	173.5	

Range	Model	Voltage (V)	Frequency (Hz)	Cooling	Displacement	Cooling Capacity (W)	COP (W/W)	Motor Type	Motor Description	Certification	Compressor Height(mm)
HYE	HYE81MTU	220-240V~	50	ST	8.1	140	1.78*	RSCR	Cu	CCC/VDE	173.5
	HYE81MTU62	220-240V~	50	ST	8.1	160	1.78*	RSCR	Cu	CCC/VDE	173.5
	HYE81MSU	220-240V~	50	ST	8.1	142	1.85*	RSCR	Cu	CCC/VDE	173.5
	HYE81MSUa	220-240V~	50	ST	8.1	142	1.83*	RSCR	Al	CCC	173.5
	HYE81MXU	220-240V~	50	ST	8.1	142	1.93*	RSCR	Cu	CCC/VDE	173.5
	HYE81MDU	220-240V~	50	ST	8.1	145	1.98*	RSCR	Cu	CCC/VDE	173.5
	HYE90MHU	220-240V~	50	ST	8.9	152	1.20	RSIR	Al	CCC	173.5
	HYE90MGU	220-240V~	60	ST	8.9	152	1.55	RSCR	Cu	CCC	173.5
	HYE90MGUa	220-240V~	50	ST	8.9	152	1.50	RSCR	Al	CCC	173.5
	HYE90MKU	220-240V~	50	ST	8.9	152	1.65	RSCR	Cu	CCC	173.5
	HYE90MKUa	220-240V~	50	ST	8.9	152	1.65	RSIR	Al	CCC	173.5
	HYE90MTU	220-240V~	50	ST	8.9	152	1.78*	RSCR	Cu	CCC/VDE	173.5
	HYE90MTUa	220-240V~	50	ST	8.9	152	1.74	RSIR	Al	CCC	173.5
	HYE90MSU	220-240V~	50	ST	8.9	152	1.85*	RSCR	Cu	CCC/VDE	173.5
	HYE90MXU	220-240V~	50	ST	8.9	152	1.93*	RSCR	Cu	CCC/VDE	173.5
	HYE90MXU63▲	220-240V~	50/60	ST	8.9	152	1.80*	RSCR	Cu	---	173.5
	HYE96MDU	220-240V~	50	ST	9.6	170	1.98*	RSCR	Cu	CCC/VDE	173.5
	HYE96MHU	220-240V~	50	ST	9.6	168	1.20	RSIR	Al	CCC	173.5
	HYE96MGU	220-240V~	50	ST	9.6	168	1.55	RSCR	Cu	CCC	173.5
	HYE96MGUa	220-240V~	50	ST	9.6	168	1.55	RSCR	Al	CCC	173.5
HYE96MKU	220-240V~	50	ST	9.6	168	1.68	RSCR	Cu	CCC/VDE	173.5	
HYE96MKUa	220-240V~	50	ST	9.6	168	1.65	RSCR	Al	CCC	173.5	
HYE96MTU	220-240V~	50	ST	9.6	168	1.78*	CSCR	Cu	CCC/VDE	173.5	
HYE96MTUa	220-240V~	50	ST	9.6	168	1.75	RCSR	Al	CCC	173.5	
HYE96MSU	220-240V~	50	ST	9.6	168	1.85*	RSCR	Cu	CCC/VDE	173.5	
HYE96MSUa	220-240V~	50	ST	9.6	168	1.85*	RSCR	Al	CCC/VDE	173.5	

CONSTANT SPEED COMPRESSOR PERFORMANCE PARAMETERS

R600a-LBP Technical Data Sheet 220-240V~50Hz 220-240V~50/60Hz

Range	Model	Voltage (V)	Frequency (Hz)	Cooling	Displacement	Cooling Capacity (W)	COP (W/W)	Motor Type	Motor Description	Certification	Compressor Height(mm)
HYE	HYE96MXU	220-240V~	50	ST	9.6	168	1.93*	RSCR	Cu	CCC/VDE	173.5
	HYE96MXUa	220-240V~	50	ST	9.6	168	1.9*	RSCR	Al	CCC/VDE	173.5
	HYE96MDU	220-240V~	50	ST	9.6	168	1.96*	RSCR	Cu	CCC/VDE	173.5
	HYE105MHU	220-240V~	50	ST	10.5	185	1.20	RSIR	Al	CCC	173.5
	HYE105MTU63▲	220-240V~	50/60	ST	10.5	180	1.74	RSCR	Al	---	173.5
	HYE105MTUa	220-240V~	50	ST	10.5	180	1.73	RSCR	Al	CCC	173.5
	HYE105MSU	220-240V~	50	ST	10.5	185	1.85*	RSCR	Cu	CCC/VDE	173.5
	HYE105MSUa	220-240V~	50	ST	10.5	185	1.82*	RSCR	Al	CCC	176.5
	HYE105MXU	220-240V~	50	ST	10.5	185	1.82*	RSCR	Cu	CCC	176.5
	HYE113MHUa	220-240V~	50	ST	11.3	200	1.25	RSIR	Al	CCC	173.5
	HYE113MKU	220-240V~	50	ST	11.3	200	1.65	RSCR	Cu	CCC	173.5
	HYE113MKUa	220-240V~	50	ST	11.3	200	1.63	RSCR	Al	CCC	173.5
	HYE113MTU	220-240V~	50	ST	11.3	200	1.74	RSCR	Cu	---	173.5
	HYE113MSU	220-240V~	50	ST	11.3	200	1.85*	RSCR	Cu	CCC/VDE	173.5
	HYE113MSU62	220-240V~	50	ST	11.3	230	1.80*	RSCR	Cu	---	176.5
	HYE125MSU	220-240V~	50	ST	12.3	218	1.85*	RSCR	Cu	CCC/VDE	173.5
	HYE125MSUa	220-240V~	50	ST	12.3	218	1.8	RSCR	Al	CCC/VDE	173.5
	HYE131MTU	220-240V~	50	ST	13.1	230	1.78	RSCR	Cu	---	176.5
	HYE131MSU	220-240V~	50	ST	13.1	230	1.83*	RSCR	Cu	---	176.5
	HYE142MSU	220-240V~	50	ST	14.2	245	1.80*	RSCR	Cu	---	176.5
HY	HY113MKU	220-240V~	50	ST	11.3	203	1.65	RSCR	Cu	CCC	187.5
	HY113MTU	220-240V~	50	ST	11.3	203	1.73	RSCR	Cu	CCC	187.5
	HY113MSU	220-240V~	50	ST	11.3	205	1.85*	RSCR	Cu	CCC	193
	HY113MXU	220-240V~	50	ST	11.3	205	1.90*	RSCR	Cu	---	193
	HY131MKU	220-240V~	50	ST	13.1	235	1.65	RSCR	Cu	CCC	187.5
	HY131MTU	220-240V~	50	ST	13.1	235	1.75	RSCR	Cu	CCC	193
	HY131MSU	220-240V~	50	ST	13.1	240	1.85*	RSCR	Cu	CCC	193
	HY131MXU	220-240V~	50	ST	13.1	245	1.90*	RSCR	Cu	CCC	193
	HY153MHUa	220-240V~	50	ST	15.3	270	1.20	RSCR	Al	CCC	193
	HY153MKU	220-240V~	50	ST	15.3	270	1.65	RSCR	Cu	CCC	193
	HY153MTU	220-240V~	50	ST	15.3	270	1.72	RSCR	Cu	CCC	193
	HY153MSU	220-240V~	50	ST	15.3	272	1.80*	RSCR	Cu	CCC	193

Note: *with E-PTC

CONSTANT SPEED COMPRESSOR PERFORMANCE PARAMETERS

R134a-LBP Technical Data Sheet 220-240V~50/60Hz

Range	Model	Voltage (V)	Frequency (Hz)	Cooling	Displacement	Cooling Capacity (W)	COP (W/W)	Motor Type	Motor Description	Certification	Compressor Height(mm)
HYB-J	HYB22YJ63a	220-240V~	50	ST	2.2	55	0.95	RSIR	Al	CCC/VDE	126
			60			65	1.05				
	HYB25YJ63a	220-240V~	50	ST	2.5	65	0.95	RSIR	Al	CCC/VDE	130
			60			76	1.05				
	HYB30YJ63a	220-240V~	50	ST	3.0	78	0.95	RSIR	Al	CCC/VDE	130
			60			90	1.05				
HYB30YJa	220-240V~	50	ST	3.0	78	1.15	RSCR	Al	CCC/VDE	142	
HYB	HYB25Y63a	220-240V~	50	ST	2.5	65	1.25	RSCR	Al	CCC	153.6
			60			80	1.30				
	HYB30Y63a	220-240V~	50	ST	3.1	85	1.25	RSCR	Al	CCC/VDE	153.6
			60			98	1.35				
	HYB35Y	220-240V~	50	ST	3.4	90	1.30	RSIR	Cu	CCC/VDE	153.6
	HYB35Ya	220-240V~	50	ST	3.5	90	1.15	RSIR	Al	CCC	153.6
HYB41Y	220-240V~	50	ST	4.1	110	1.15	RSIR	Al	CCC/VDE	153.6	
HYB41Y62a	220-240V~	60	ST	4.1	130	1.30	RSIR	Al	CCC/VDE	161.1	
HYS	HYS45Y	220-240V~	50	ST	4.5	125	1.30	RSIR	CU	CCC/VDE	153
	HYS45Ya	220-240V~	50	ST	4.5	125	1.20	RSIR	Al	CCC/VDE	153
	HYS45Y62a	220-240V~	60	ST	4.5	145	1.20	RSIR	Al	---	153
HYE	HYE51YK63a	220-240V~	50	ST	5.1	150	1.50	RSCR	Al	---	173.5
			60			170	1.50				
	HYE55Y	220-240V~	50	ST	5.5	150	1.28	RSIR	Cu	CCC/VDE	167
	HYE55Y63	220-240V~	50	ST	5.5	150	1.28	RSIR	Cu	CCC/VDE	167
			60			170	1.28				
	HYE55YL63	220-240V~	50	ST	5.5	155	1.15	RSIR	Al	CCC/VDE	169
60			175			1.15					
HYE55YG63	220-240V~	50	ST	5.5	150	1.35	RSCR	Cu	CCC/VDE	167	

CONSTANT SPEED COMPRESSOR PERFORMANCE PARAMETERS

R134a-LBP Technical Data Sheet

220-240V~50/60Hz

Range	Model	Voltage (V)	Frequency (Hz)	Cooling	Displacement	Cooling Capacity (W)	COP (W/W)	Motor Type	Motor Description	Certification	Compressor Height(mm)
HYE	HYE55YG63	220-240V~	60	ST	5.5	170	1.35	RSCR	Cu	CCC/VDE	167
	HYE55YG62	220-240V~	60	ST	5.1	170	1.47	RSCR	Cu	VDE	173.5
	HYE55YG63a	220-240V~	50	ST	5.5	150	1.25	RSCR	Al	CCC	173.5
			60			170	1.35				
	HYE55YT	220-240V~	50	ST	5.5	160	1.65	RSCR	Cu	CCC	173.5
	HYE55YT63	220-240V~	50	ST	5.5	160	1.62	RSCR	Cu	CCC/VDE	173.5
			60			180	1.62				
	HYE60Y	220-240V~	50	ST	6.0	170	1.28	RSIR	Cu	CCC	167
	HYE60Y63	220-240V~	50	ST	6.0	170	1.28	RSIR	Cu	CCC/VDE	167
			60			190	1.28				
	HYE60YL63	220-240V~	50	ST	6.0	175	1.15	RSIR	Al	CCC	169
			60			195	1.15				
	HYE60YG	220-240V~	50	ST	6.0	170	1.43	RSCR	Cu	CCC/VDE	173.5
	HYE60YG63	220-240V~	50	ST	6.0	170	1.35	RSCR	Cu	CCC/VDE	167
			60			190	1.35				
	HYE60YK	220-240V~	50	ST	6.0	175	1.52	RSCR	Cu	CCC/VDE	173.5
	HYE60YK	220-240V~	50	ST	6.0	175	1.52	RSCR	Al	VDE	173.5
	HYE60YS	220-240V~	50	ST	6.0	180	1.70*	RSCR	Cu	CCC/VDE	173.5
	HYE60YX	220-240V~	50	ST	6.0	185	1.75*	RSCR	Cu	CCC/VDE	173.5
	HYE60YD	220-240V~	50	ST	6.0	190	1.80*	RSCR	Cu		176.5
	HYE69Y	220-240V~	50	ST	6.7	190	1.26	RSIR	Cu	CCC	173.5
	HYE69Y63	220-240V~	50	FC	6.7	190	1.26	RSIR	Cu	CCC/VDE	173.5
			60			210	1.26				
	HYE69YL	220-240V~	50	ST	6.7	190	1.20	RSIR	Al	CCC	173.5
	HYE69Y62a	220-240V~	60	ST	6.7	225	1.35	RSCR	Al	CCC	173.5
	HYE69YG	220-240V~	50	ST	6.7	190	1.43	RSCR	Cu	CCC/VDE	173.5

CONSTANT SPEED COMPRESSOR PERFORMANCE PARAMETERS

R134a-LBP Technical Data Sheet

220-240V~50/60Hz

Range	Model	Voltage (V)	Frequency (Hz)	Cooling	Displacement	Cooling Capacity (W)	COP (W/W)	Motor Type	Motor Description	Certification	Compressor Height(mm)
HYE	HYE69YK	220-240V~	50	ST	6.7	195	1.52	RSCR	Cu	CCC/VDE	173.5
	HYE69YK	220-240V~	50	ST	6.0	195	1.52	RSCR	Al	VDE	173.5
	HYE69YS	220-240V~	50	ST	6.7	200	1.70*	RSCR	Cu	CCC/VDE	173.5
	HYE69YD	220-240V~	50	ST	6.7	200	1.80*	RSCR	Cu		176.5
	HYE81Y	220-240V~	50	FC	8.1	230	1.28	RSIR	Cu	CCC	173.5
	HYE81YT	220-240V~	50	ST	8.1	230	1.63	RSCR	Cu	CCC	176.5
HY	HY69Y63	220-240V~	50	FC	6.9	195	1.12	RSIR	Cu	CCC/VDE	191
			60			215	1.12				
	HY69YH	220-240V~	50	ST	6.9	195	1.35	RSIR	Cu	CCC/VDE	185.6
	HY69YG	220-240V~	50	ST	6.9	195	1.45	RSCR	Cu	CCC/VDE	185.6
	HY69YGa	220-240V~	50	ST	6.9	195	1.45	RSCR	Al	CCC/VDE	185.6
	HY81Y	220-240V~	50	FC	8.1	235	1.25	RSIR	Cu	CCC/VDE	191
	HY81YG	220-240V~	50	ST	8.1	235	1.45	RSCR	Cu	CCC/VDE	191.1
	HY81YGa	220-240V~	50	ST	8.1	235	1.45	RSCR	Al	CCC/VDE	191
	HY81YT	220-240V~	50	ST	8.1	235	1.65	RSCR	Cu	CCC/VDE	193
	HY81YTa▲	220-240V~	50	ST	8.1	235	1.65	RSCR	Al		191
	HY90Y	220-240V~	50	FC	9.0	265	1.30	RSIR	Cu	CCC/VDE	191
	HY90Ya	220-240V~	50	FC	9.0	265	1.30	RSIR	Al	CCC	191
	HY90YG	220-240V~	50	ST	9.0	270	1.45	RSCR	Cu	CCC/VDE	191
	HY94YT	220-240V~	50	ST	9.4	280	1.65	RSCR	Cu	CCC/VDE	193
HY113Y	220-240V~	50	FC	11.3	330	1.30	CSR	Cu	CCC/VDE	193	
HY113Ya	220-240V~	50	FC	11.3	330	1.10	CSR	Al	CCC	193	
HY131Y	220-240V~	50	FC	13.1	380	1.30	CSR	Cu	CCC	193	
HY131Ya	220-240V~	50	FC	13.1	370	1.10	CSCR	Al	CCC	193	
HY153Y	220-240V~	50	FC	15.3	430	1.30	CSR	Cu	CCC	193	

Note:*with E-PTC

Test conditions	According to ASHRAE	Working condition limit	
Evaporating temperature	-23.3°C	Max discharge pressure	2.0 [Mpa] gauge pressure
Condensing temperature	54.4°C	Max allowable housing temperature	95 [°C]
Subcooling temperature	32.2°C	Max discharge temperature	125 [°C]
Suction temperature	32.2°C	Max pressure housing endured	2.7 [Mpa] gauge pressure
Ambient temperature	32.2°C	Low voltage start	0.5/0.5Mpa(gauge pressure)187V/98V

COMPRESSOR RANGE

COMPRESSOR RANGE



B range

Features:

Compact design, low weight, low noise

Range:

2.5-4.1cm³

Refrigerants:

R134a, R600a, R290;

Applications:

Small Refrigerators and Freezers



L range

Features:

High efficiency range with propane(R290)

Range:

6.0-9.0cm³

Refrigerants:

R134a, R404A, R290;

Applications:

Household Refrigerators, Bottle Coolers and Freezers, Can Coolers, Freezers, Vending Machines, Ice Cream Freezers, Beer Dispensers, Ice Makers, Soft Drink Dispensers

U range

Features:

The highest efficient and complete range with propane(R290)

Range:

4.5-11.3cm³

Refrigerants:

R290a, R134a, R404A, R600a;

Applications:

Household Refrigerators, Freezers, Vending Machines, Ice Cream Freezers, Beer Dispensers, Ice Makers, Soft Drink Dispensers



H range

Features:

High reliability and efficiency, new design to work under heavy duty operation conditions

Range:

6.9-15.3cm³

Refrigerants:

R134a;

Applications:

Household Refrigerators, Freezers, Display Cabinets, Ice Cream Freezers, Beer Dispensers, Ice Makers, Soft Drink Dispensers



P range

Features:

High efficiency range

The highest efficient range with propane(R290) and R404A

Range:

12.0-18.00cm³

Refrigerants:

R134a, R404A, R290;

Applications:

Household Refrigerators, Bottle Coolers and Freezers, Can Coolers, Chest Freezers, Vending Machines, Ice Cream Freezers, Beer Dispensers, Ice Makers, Soft Drink Dispensers

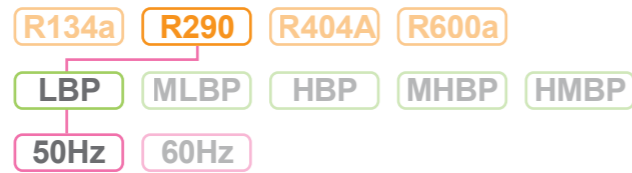
◆ **R290**
LBP-50Hz
(Cubigel)



Range	Model	Displ(cm ³)	Application	Cooling Type	Voltage/Frequency	Motor Type	Starting	Expansion	Check Point Data		ASHRAE						Weight(kg)	Height(mm)	
									-23.3/54.4	-23.3/54.4	Capacity(W)								
									Capacity	COP	Evaporating Temperature(°C)								
									W	W/W	-40	-35	-30	-25	-20	-15			-10
B	NBC25CA	2.5	LBP	S	220-240V 50-60Hz	RSIR	P	C	105	1.30	46	58	78	97	121	149	184	5.8	161.1
	NBG25CA	2.5	LBP	S	220-240V 50-60Hz	RSCR	P	C	105	1.52	46	58	78	97	121	149	184	5.9	161.1
	NBC35CA	3.5	LBP	S	220-240V 50-60Hz	RSIR	P	C	147	1.30	64	84	109	135	170	209	257	5.9	161.1
	NBG35CA	3.5	LBP	S	220-240V 50-60Hz	RSCR	P	C	147	1.55	64	84	109	135	170	209	257	6.0	161.1
	NBC41CA	4.1	LBP	S	220-240V 50-60Hz	RSIR	P	C	180	1.30	79	98	132	165	207	255	314	6.0	161.1
	NBG41CA	4.1	LBP	S	220-240V 50-60Hz	RSCR	P	C	180	1.55	79	98	132	165	207	255	314	6.1	161.1
U	NUC45LA	4.5	LBP	S/F	220-240V 50-60Hz	CSIR	R	C-V	210	1.30	92	115	155	193	242	298	367	8.1	173.5
	NUG45LA	4.5	LBP	S/F	220-240V 50-60Hz	CSIR	R	C-V	210	1.55	92	115	155	193	242	298	367	8.3	173.5
	NUC55LA	5.5	LBP	F	220-240V 50-60Hz	CSIR	R	C-V	260	1.30	114	143	192	239	300	370	455	8.3	173.5
	NUH55LA	5.5	LBP	F	220-240V 50-60Hz	CSIR	R	C-V	260	1.45	114	143	192	239	300	370	455	8.4	173.5
	NUG55CA	5.5	LBP	S/F	220-240V 50-60Hz	RSCR	P	C	260	1.55	114	143	192	239	300	370	455	8.6	173.5
	NUT55CA	5.5	LBP	S/F	220-240V 50-60Hz	RSCR	P	C	260	1.72	113	143	192	240	302	375	463	9.3	173.5
	NUC60LA	6.0	LBP	F	220-240V 50-60Hz	CSIR	R	C-V	290	1.30	119	158	209	268	355	414	505	8.6	173.5
	NUH60LA	6.0	LBP	F	220-240V 50-60Hz	CSIR	R	C-V	290	1.45	119	158	209	268	355	414	505	8.6	173.5
	NUG60CA	6.0	LBP	S/F	220-240V 50-60Hz	RSCR	P	C	290	1.55	119	158	209	268	355	414	505	8.6	173.5
	NUK60LA	6.0	LBP	F	220-240V 50-60Hz	CSIR	R	C-V	300	1.69	124	168	218	277	347	434	527	8.6	173.5
	NUT60CA	6.0	LBP	S/F	220-240V 50-60Hz	RSCR	P	C	300	1.76	124	168	218	277	347	434	527	9.4	173.5
	NUC70LA	6.7	LBP	F	220-240V 50-60Hz	CSIR	R	C-V	325	1.30	135	178	233	300	376	467	565	8.6	173.5
	NUH70LA	6.7	LBP	F	220-240V 50-60Hz	CSIR	R	C-V	325	1.48	135	178	233	300	376	467	565	8.7	173.5
	NUG70CA	6.7	LBP	F	220-240V 50-60Hz	RSCR	P	C	330	1.55	137	181	236	304	381	474	573	8.8	173.5
NUT70CA	6.7	LBP	F	220-240V 50-60Hz	RSCR	P	C	330	1.76	138	186	241	306	383	474	587	9.4	173.5	

◆ R290

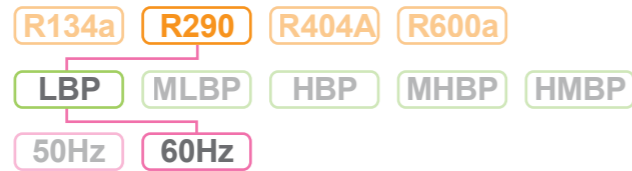
LBP-50Hz
(Cubigel)



Range	Model	Displ(cm ³)	Application	Cooling Type	Voltage/Frequency	Motor Type	Starting	Expansion	Check Point Data		ASHRAE						Weight(kg)	Height(mm)	
									-23.3/54.4	-23.3/54.4	Capacity(W)								
									Capacity	COP	Evaporating Temperature(°C)								
									W	W/W	-40	-35	-30	-25	-20	-15			-10
U	NUH80LA	8.1	LBP	F	220-240V 50-60Hz	CSIR	R	C-V	400	1.55	166	219	287	369	462	574	695	9.2	173.5
	NUH90LA	8.9	LBP	F	220-240V 50-60Hz	CSIR	R	C-V	440	1.55	183	241	316	406	508	631	765	9.3	173.5
L	NLY90LAb	9.09	LBP	F	220-240V 50-60Hz	CSR	R	C-V	411	1.44	161	211	277	356	446	554	671	11.1	198
P	NPY12LAb	12.1	LBP	F	220-240V 50-60Hz	CSR	R	C-V	539	1.49	224	295	387	497	622	773	937	12.3	210.5
	NPY14LAb	14.32	LBP	F	220-240V 50-60Hz	CSR	R	C-V	650	1.48	271	357	468	601	753	935	1134	12.8	210.5
	NPT16LA	16.15	LBP	F	220-240V 50-60Hz	CSR	R	C-V	742	1.52	309	407	534	685	858	1065	1293	12.8	210.5

◆ R290

LBP-60Hz
(Cubigel)



Range	Model	Displ(cm ³)	Application	Cooling Type	Voltage/Frequency	Motor Type	Starting	Expansion	Check Point Data		ASHRAE						Weight(kg)	Height(mm)	
									-23.3/54.4	-23.3/54.4	Capacity(W)								
									Capacity	COP	Evaporating Temperature(°C)								
									W	W/W	-40	-35	-30	-25	-20	-15			-10
U	NUG45LR	4.5	LBP	F	115-127V 60Hz	CSIR	R	C-V	250	1.55	106	132	178	222	278	343	422	8.5	173.5
	NUG55LR	5.5	LBP	F	115-127V 60Hz	CSIR	R	C-V	335	1.55	142	177	239	297	373	459	566	8.6	173.5
	NUG60LR	6.0	LBP	F	115-127V 60Hz	CSIR	R	C-V	350	1.55	147	184	248	309	383	478	588	8.7	173.5
	NUG70LR	6.7	LBP	F	115-127V 60Hz	CSIR	R	C-V	388	1.55	162	202	273	340	427	525	647	8.8	173.5
	NUT55CR	5.5	LBP	F	115-127V 60Hz	RSCR	P	C-V	335	1.72	142	177	239	297	373	459	566	9.6	173.5
	NUT60CR	6.0	LBP	F	115-127V 60Hz	RSCR	P	C-V	350	1.72	147	184	248	309	388	478	588	9.6	173.5
	NUT70CR	6.7	LBP	F	115-127V 60Hz	RSCR	P	C-V	388	1.80	162	202	273	340	427	525	647	9.7	173.5

◆ R290

HMBP·50Hz

(Cubigel)



Range	Model	Displ(cm ³)	Application	Cooling Type	Voltage/Frequency	Motor Type	Starting	Expansion	Check Point Data		ASHRAE								Weight(kg)	Height(mm)
									7.2/54.4	7.2/54.4	Capacity(W)									
									Capacity	COP	Evaporating Temperature(°C)									
									W	W/W	-25	-20	-15	-10	-5	0	5	10		
U	NUY45RA	4.5	HMBP	F	220-240V 50Hz	CSIR	R	C-V	615	2.65	183	213	253	308	378	456	548	648	8.6	173.5
	NUY55RA	5.5	HMBP	F	220-240V 50Hz	CSIR	R	C-V	720	2.65	226	256	304	370	453	547	657	778	8.6	173.5
	NUY60RA	6.0	HMBP	F	220-240V 50Hz	CSIR	R	C-V	840	2.65	260	300	356	433	530	640	769	910	8.7	173.5
	NUY70RA	6.7	HMBP	F	220-240V 50Hz	CSIR	R	C-V	950	2.65	280	330	392	475	583	704	846	1000	8.7	173.5
L	NLY80RAa	8.1	HMBP	F	220-240V 50Hz	CSIR	R	C-V	1110	2.60	285	359	454	568	701	855	1028	1221	11.4	185.6
	NLY80RAb	8.1	HMBP	F	220-240V 50Hz	CSCR	R	C-V	1110	2.80	285	359	454	568	701	855	1028	1221	11.4	185.6
	NLY90RAa	9.09	HMBP	F	220-240V 50Hz	CSIR	R	C-V	1256	2.56	375	436	517	627	770	929	1117	1320	11.4	198
R	NPY12RAb	12.1	HMBP	F	220-240V 50Hz	CSCR	R	C-V	1744	2.70	439	553	701	884	1097	1340	1614	1919	12.3	210.5

ASHRAE test conditions

Items	ASHRAE	
	LBP/MLBP	HMBP
Evaporating temperature	-23.3	7.2
Condensing temperature	54.4	54.4
Subcooling temperature	32.2	46.1
Suction temperature	32.2	35
Ambient temperature	32.2	35

Measurement conversion
1W=3.41Btu/h
1W=0.86Kcal/h
1Kcal/h=3.97Btu/h
1立方英尺(cu)=28.32升(L)
1立方英寸(in)=16.39立方厘米(cc)

Indication of letters
F Fan cooling
S Static
P PTC Starter
R Relay
C Capillar and tube
V Expansion Valve

◆ R134a

LBP-50Hz
(HUAYI)

R134a R290 R404A R600a
LBP MLBP HBP MHBP HMBP
50Hz 60Hz

Range	Model	Displ(cm ³)	Application	Cooling Type	Voltage/Frequency	Motor Type	Starting	Expansion	Check Point Data		ASHRAE						Weight(kg)	Height(mm)
									-23.3/54.4	-23.3/54.4	Capacity(W)							
									Capacity	COP	Evaporating Temperature(°C)							
									W	W/W	-35	-30	-25	-20	-15	-10		
E	HYE55Y	5.5	LBP	S	220-240V 50-60Hz	RSIR	P	C	150	1.28	71	100	135	180	228	288	8.3	169
	HYE60Y	6.0	LBP	S	220-240V 50-60Hz	RSIR	P	C	170	1.28	81	113	153	203	258	326	8.0	169
	HYE69Y	6.7	LBP	S	220-240V 50-60Hz	RSIR	P	C	190	1.26	91	127	171	227	289	365	8.3	169
	HYE81Y	8.1	LBP	F	220-240V 50-60Hz	RSIR	P	C	235	1.30	100	142	202	269	350	365	8.5	173.5
H	HY81Y	8.1	LBP	F	220-240V 50-60Hz	RSIR	P	C	235	1.25	100	142	202	269	350	444	10.2	193
	HY90Y	9.0	LBP	F	220-240V 50-60Hz	RSIR	P	C	265	1.30	127	178	239	317	404	512	11.0	193
	HY113Y	11.3	LBP	F	220-240V 50-60Hz	CSIR	R	C	330	1.30	140	200	283	378	492	623	11.2	193
	HY131Y	13.1	LBP	F	220-240V 50-60Hz	CSIR	R	C	380	1.30	187	259	347	450	582	723	11.2	193
	HY153Y	15.3	LBP	F	220-240V 50-60Hz	CSIR	R	C	435	1.30	206	296	399	521	668	842	11.2	193

◆ R134a

LBP/MLBP-115V/60Hz
(Cubigel)

R134a R290 R404A R600a
LBP MLBP HBP MHBP HMBP
50Hz 60Hz

Range	Model	Displ(cm ³)	Application	Cooling Type	Voltage/Frequency	Motor Type	Starting	Expansion	Check Point Data		ASHRAE						Weight(kg)	Height(mm)		
									-23.3/54.4	-23.3/54.4	Capacity(W)									
									Capacity	COP	Evaporating Temperature(°C)									
									W	W/W	-35	-30	-25	-20	-15	-10			-5	0
U	GUY60NR	6.0	MLBP	S/F	115-127V 60Hz	CSIR	R	C-V	210	1.49	100	140	190	252	320	404	494	590	7.9	173.5
	GUY70NR	6.7	MLBP	S/F	115-127V 60Hz	CSIR	R	C-V	239	1.49	114	160	217	287	365	461	563	672	8.3	173.5
	GUY80NR	8.1	MLBP	S/F	115-127V 60Hz	CSIR	R	C-V	284	1.47	136	190	258	342	434	549	641	756	8.3	173.5
	GUH12LF	11.3	LBP	F	220-240V 60Hz	CSIR	R	C	380	1.38	201	281	378	501	639	809	---	---	9.5	173.5
H	GP11FE	11.3	LBP	F	115V 60Hz	CSIR	R	C	380	1.30	161	230	325	434	565	716	---	---	11.4	193

◆ **R134a**
LBP-50Hz
(Cubigel)

R134a R290 R404A R600a
LBP MLBP HBP MHBP HMBP
50Hz 60Hz

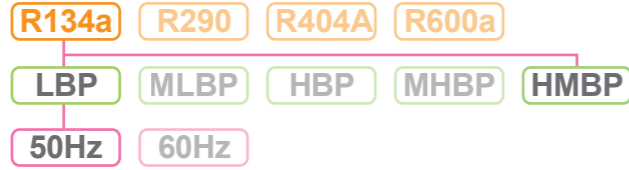
Range	Model	Displ(cm ³)	Application	Cooling Type	Voltage/Frequency	Motor Type	Starting	Expansion	Check Point Data		ASHRAE						Weight(kg)	Height(mm)
									-23.3/54.4	-23.3/54.4	Capacity(W)							
									Capacity	COP	Evaporating Temperature(°C)							
									W	W/W	-35	-30	-25	-20	-15	-10		
U	GU70AA	6.7	LBP	S	220-240V 50-60Hz	RSIR	P	C	190	1.15	91	127	171	227	289	365	8.3	169
	GUH12LA	11.3	LBP	F	220-240V 50-60Hz	CSIR	R	C	330	1.35	175	245	329	436	556	704	9.3	173.5
H	GH80AA	8.1	LBP	F	220-240V 50-60Hz	RSIR	P	C	235	1.25	100	142	202	269	350	444	10.2	193
	GH90AA	9.0	LBP	F	220-240V 50-60Hz	RSIR	P	C	265	1.30	127	178	239	317	404	512	11.0	193
	GH12FA	11.3	LBP	F	220-240V 50-60Hz	CSIR	R	C	330	1.30	140	200	283	378	492	623	11.2	193
	GH14FA	13.1	LBP	F	220-240V 50-60Hz	CSIR	R	C	380	1.30	187	259	347	450	582	723	11.2	193
	GH16FA	15.3	LBP	F	220-240V 50-60Hz	CSIR	R	C	435	1.30	206	296	399	521	668	842	11.2	193

◆ **R134a**
LBP-50/60Hz
(Cubigel)

R134a R290 R404A R600a
LBP MLBP HBP MHBP HMBP
50Hz 60Hz

Range	Model	Displ(cm ³)	Application	Cooling Type	Voltage/Frequency	Motor Type	Starting	Expansion	Check Point Data		ASHRAE						Weight(kg)	Height(mm)
									-23.3/54.4	-23.3/54.4	Capacity(W)							
									Capacity	COP	Evaporating Temperature(°C)							
									W	W/W	-35	-30	-25	-20	-15	-10		
U	GE55AG	5.5	LBP	S	220-240V 50/60Hz	RSIR	P	C	150	1.15	71	100	135	180	228	288	7.9	169
	GE60AG	6.0	LBP	S	220-240V 50/60Hz	RSIR	P	C	170	1.15	81	113	153	203	258	326	8.3	169
	GU70AG	6.7	LBP	F	220-240V 50/60Hz	RSIR	P	C	190	1.15	91	127	171	227	289	365	8.3	169
	GUG80LG	8.1	LBP	F	220-240V 50/60Hz	CSCR	R	C	240	1.50	127	178	239	317	404	512	9.0	173.5

◆ R134a



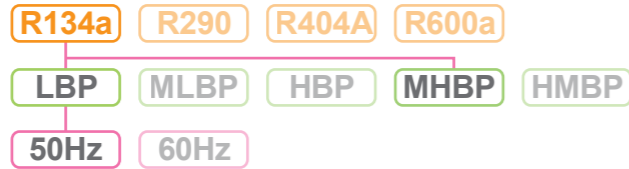
HBP/HMBP·50Hz
(HUAYI)

Range	Model	Displ(cm ³)	Application	Cooling Type	Voltage/Frequency	Motor Type	Starting	Expansion	Check Point Data		ASHRAE							Weight(kg)	Height(mm)	
									7.2/54.4	7.2/54.4	Capacity(W)									
									Capacity	COP	Evaporating Temperature(°C)									
									W	W/W	-25	-20	-15	-10	-5	0	0			0
E	HYE69YZ	6.7	HMBP	F	220-240V 50Hz	CSIR	R	C-V	720	2.50	185	230	284	347	439	548	670	807	8.9	173.5
	HYE81YZ	8.1	HMBP	F	220-240V 50Hz	CSIR	R	C-V	830	2.20	215	270	327	399	505	630	771	928	8.9	173.5
H	HY69YZ	6.9	HBP	F	220-240V 50Hz	CSIR	R	C-V	645	2.20	----	----	238	304	373	474	575	698	11.1	193
	HY81YZ	8.1	HBP	F	220-240V 50Hz	CSIR	R	C-V	745	2.20	----	----	286	376	465	571	716	866	10.8	193
	HY94YZ	9.4	HBP	F	220-240V 50Hz	CSIR	R	C-V	860	2.20	----	----	320	406	524	643	752	905	10.8	193
	HY113YZ	11.3	HBP	F	220-240V 50Hz	CSIR	R	C-V	1050	2.20	----	----	396	508	639	795	795	1185	10.8	193
	HY131YZ	13.1	HBP	F	220-240V 50Hz	CSIR	R	C-V	1218	2.20	----	----	459	588	741	921	1131	1374	10.8	193
	HY153YZ	15.3	HBP	F	220-240V 50Hz	CSIR	R	C-V	1350	2.30	----	----	530	679	834	1059	1251	1477	11.5	193
	HY69YZ42	6.9	HBP	F	115V 60Hz	CSIR	R	C-V	740	2.02	----	----	286	347	434	552	685	839	11.1	193
	HY81YZ42	8.1	HBP	F	115V 60Hz	CSIR	R	C-V	870	2.02	----	----	322	407	511	646	792	988	10.8	193

◆ R134a

HBP/MHBP·50Hz

(Cubigel)



Range	Model	Displ(cm ³)	Application	Cooling Type	Voltage/Frequency	Motor Type	Starting	Expansion	Check Point Data		ASHRAE							Weight(kg)	Height(mm)	
									7.2/54.4	7.2/54.4	Capacity(W)									
									Capacity	COP	Evaporating Temperature(°C)									
									W	W/W	-25	-20	-15	-10	-5	0	5			10
U	GUY60RA	6.0	HMBP	F	220-240V 50Hz	CSIR	R	C-V	640	2.50	168	209	230	291	375	471	581	771	8.9	173.5
	GE70TB	7.0	HMBP	F	220-240V 50Hz	CSIR	R	C-V	720	2.50	185	230	284	347	439	548	670	807	8.9	173.5
	GE80TB	8.1	HMBP	F	220-240V 50Hz	CSIR	R	C-V	830	2.20	215	270	327	399	505	630	771	928	8.9	173.5
	GUY80TB	8.1	HMBP	F	220-240V 50Hz	CSIR	R	C-V	830	2.60	215	270	327	399	505	630	771	928	9.1	173.5
	GU90TB	8.9	HBP	F	220-240V 50Hz	CSIR	R	C-V	930	2.30	---	---	360	4555	570	703	868	1051	8.9	173.5
	GUY90TB	8.9	HMBP	F	220-240V 50Hz	CSIR	R	C-V	910	2.60	234	294	360	455	570	703	868	1051	9.1	173.5
H	GH12TB	11.3	HBP	F	220-240V 50Hz	CSIR	R	C-V	1050	2.20	---	---	396	508	639	795	975	1185	10.8	193
	GH14TB	13.1	HBP	F	220-240V 50Hz	CSIR	R	C-V	1218	2.20	---	---	459	588	741	921	1131	1374	10.8	193
	GH16TB	15.3	HBP	F	220-240V 50Hz	CSIR	R	C-V	1365	2.15	---	---	536	587	866	1075	1321	1605	11.5	193
P	GPY12RAa	12.1	HMBP	F	220-240V 50Hz	CSIR	R	C-V	1183	2.35	290	365	455	558	712	883	1087	1316	12.6	210.5
	GPY12RAb	12.1	HMBP	F	220-240V 50Hz	CSR	R	C-V	1183	2.58	290	365	455	558	712	883	1087	1316	12.6	210.5
	GPY14RAa	14.32	HMBP	F	220-240V 50Hz	CSIR	R	C-V	1380	2.27	350	430	530	651	830	1029	1268	1534	12.6	210.5
	GPY14RAb	14.32	HMBP	F	220-240V 50Hz	CSR	R	C-V	1380	2.58	350	430	530	651	830	1029	1268	1534	12.6	210.5
	GPY16RAa	16.15	HMBP	F	220-240V 50Hz	CSIR	R	C-V	1500	2.20	380	467	576	708	902	1119	1378	1667	12.8	210.5
	GPY16RAb	16.15	HMBP	F	220-240V 50Hz	CSR	R	C-V	1500	2.40	380	467	576	708	902	1119	1378	1667	12.8	210.5
	GPT18RA	18	HBP	F	220-240V 50Hz	CSR	R	C-V	1700	2.20	---	---	660	850	1061	1292	1574	1870	12.8	210.5

◆ R134a

R134a R290 R404A R600a

LBP/MHBP-50Hz/60Hz

LBP MLBP HBP MHBP HMBP

(Cubigel)

50Hz 60Hz

Range	Model	Displ(cm ³)	Application	Cooling Type	Voltage/Frequency	Motor Type	Starting	Expansion	Check Point Data		ASHRAE								Weight(kg)	Height(mm)
									7.2/54.4	7.2/54.4	Capacity(W)									
									Capacity	COP	Evaporating Temperature(°C)									
									W	W/W	-25	-20	-15	-10	-5	0	5	10		
U	GU45TG	4.5	HMBP	F	220-230 50/220-240V 60Hz	CSIR	R	C-V	470	2.50	96	128	167	211	272	341	421	515	8.6	193
	GU60TG	6.0	HBP	F	220-230 50/220-240V 60Hz	CSIR	R	C-V	640	2.40	----	----	230	291	375	471	581	711	8.7	193
	GU70TG	6.7	HBP	F	220-240 50/230V 60Hz	CSIR	R	C-V	720	2.20	----	----	284	347	439	548	670	807	8.7	173.5
	GE80TG	8.1	HBP	F	220-240 50/ 230V 60Hz	CSIR	R	C-V	830	2.20	----	----	327	399	505	630	771	928	8.7	173.5
P	GP12TG	12.05	HMBP	F	200-220 50/220-230V 60Hz	CSIR	R	C-V	1067	2.02	261	329	410	503	641	795	979	1186	11.2	210.5
	GP14TG	14.17	HMBP	F	200-220 50/220-230V 60Hz	CSIR	R	C-V	1183	2.03	290	365	455	558	712	883	1087	1316	12.9	210.5
	GP16TG	16.15	HBP	F	220-240 50/230V 60Hz	CSIR	R	C-V	1383	2.09	----	----	530	651	830	1029	1268	1534	12.9	210.5
	GPT16RG	16.15	HBP	F	200-220 50/220-230V 60Hz	CSR	R	C-V	1500	2.35	----	----	576	708	902	1119	1378	1667	12.3	210.5

ASHRAE test conditions

Items	ASHRAE	
	LBP/MLBP	HMBP
Evaporating temperature	-23.3	7.2
Condensing temperature	54.4	54.4
Subcooling temperature	32.2	46.1
Suction temperature	32.2	35
Ambient temperature	32.2	35

Measurement conversion
1W=3.41Btu/h
1W=0.86Kcal/h
1Kcal/h=3.97Btu/h
1立方英尺(cu)=28.32升(L)
1立方英寸(in)=16.39立方厘米(cc)

Indication of letters
F Fan cooling
S Static
P PTC Starter
R Relay
C Capillar and tube
V Expansion Valve

◆ R134a

R134a R290 R404A R600a

HBP/MHBP-60Hz

LBP MLBP HBP MHBP HMBP

(Cubigel)

50Hz 60Hz

Range	Model	Displ(cm ³)	Application	Cooling Type	Voltage/Frequency	Motor Type	Starting	Expansion	Check Point Data		ASHRAE						Weight(kg)	Height(mm)
									7.2/54.4	7.2/54.4	Capacity(W)							
									Capacity	COP	Evaporating Temperature(°C)							
									W	W/W	-15	-10	-5	0	5	10		
U	GU60ME	6.0	HMBP	F	115V 60Hz	RSIR	P	C-V	760	2.20	278	351	460	557	696	849	8.7	173.5
H	GH70TE	6.9	HBP	F	115V 60Hz	CSIR	R	C-V	740	2.02	286	347	434	552	685	839	11.1	193
	GH80TE	8.1	HBP	F	115V 60Hz	CSIR	R	C-V	870	2.02	322	407	511	646	792	998	10.8	193
P	GPY14Rmb	14.32	HBP	F	115-127V 60Hz	CSR	R	C-V	1706	2.36	670	850	1047	1281	1529	1851	12.8	210.5

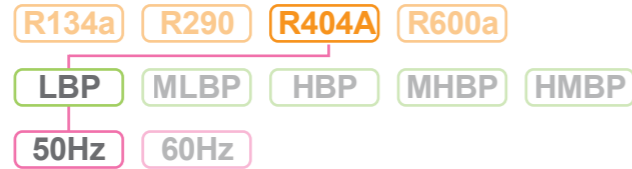
ASHRAE test conditions

Items	ASHRAE	
	LBP/MLBP	HMBP
Evaporating temperature	-23.3	7.2
Condensing temperature	54.4	54.4
Subcooling temperature	32.2	46.1
Suction temperature	32.2	35
Ambient temperature	32.2	35

Measurement conversion
1W=3.41Btu/h
1W=0.86Kcal/h
1Kcal/h=3.97Btu/h
1立方英尺(cu)=28.32升(L)
1立方英寸(in)=16.39立方厘米(cc)

Indication of letters
F Fan cooling
S Static
P PTC Starter
R Relay
C Capillar and tube
V Expansion Valve

◆ **R404A**
LBP-50Hz
(Cubigel)



Range	Model	Displ(cm ³)	Application	Cooling Type	Voltage/Frequency	Motor Type	Starting	Expansion	Check Point Data		ASHRAE						Weight(kg)	Height(mm)	
									-23.3/54.4	-23.3/54.4	Capacity(W)								
									Capacity	COP	Evaporating Temperature(°C)								
									W	W/W	-40	-35	-30	-25	-20	-15			-10
U	MUY45LA	4.5	LBP	S	220-240V 50Hz	CSIR	R	C-V	260	1.45	101	138	184	238	302	373	461	8.3	173.5
	MUY50LA	5.1	LBP	F	220-240V 50Hz	CSIR	R	C-V	300	1.45	116	159	212	274	347	429	530	8.4	173.5
	MUY60LA	6.0	LBP	F	220-240V 50Hz	CSIR	R	C-V	354	1.45	137	188	250	323	410	506	625	8.5	173.5
L	MLY80LAa	8.1	LBP	F	220-240V 50Hz	CSIR	R	C-V	407	1.28	157	216	287	372	472	582	719	11.6	198
	MLY80LAb	8.1	LBP	F	220-240V 50Hz	CSCR	R	C-V	407	1.38	157	216	287	372	472	582	719	11.6	198
	MLY90LAa	9.09	LBP	F	220-240V 50Hz	CSIR	R	C-V	458	1.28	177	244	324	420	533	661	813	11.9	198
	MLY90LAb	9.09	LBP	F	220-240V 50Hz	CSCR	R	C-V	458	1.40	177	244	324	420	533	661	813	11.9	198
P	MP14FB	14.17	LBP	F	220-240V 50Hz	CSIR	R	C-V	626	1.12	255	352	466	605	768	952	1170	13.9	210.5
	MPT12LA	12.1	LBP	F	220-240V 50Hz	CSR	R	C-V	661	1.42	255	352	466	605	768	952	1170	13.0	210.5
	MPT14LA	14.32	LBP	F	220-240V 50Hz	CSR	R	C-V	777	1.40	325	438	577	742	948	1156	1376	13.4	210.5
	MPT16LA	16.15	LBP	F	220-240V 50Hz	CSR	R	C-V	887	1.40	346	484	627	813	1026	1274	1557	12.8	210.5
L	MLT90LD	9.09	LBP	F	220-240V 50Hz	CSR	R	C-V	549	1.40	212	293	389	504	640	793	976	10.3	198
P	MLT12LD	12.1	LBP	F	220-240V 50Hz	CSR	R	C-V	754	1.41	291	401	531	690	876	1085	1334	11.5	210.5

◆ R404A

R134a R290 **R404A** R600a

LBP-50/60Hz

LBP MLBP HBP MHBP HMBP

(Cubigel)

50Hz 60Hz

Range	Model	Displ(cm ³)	Application	Cooling Type	Voltage/Frequency	Motor Type	Starting	Expansion	Check Point Data		ASHRAE							Weight(kg)	Height(mm)
									-23.3/54.4	-23.3/54.4	Capacity(W)								
									Capacity	COP	Evaporating Temperature(°C)								
									W	W/W	-40	-35	-30	-25	-20	-15	-10		
P	MP12FG	12.05	LBP	F	200-220 50/ 220-230V 60Hz	CSIR	P	C-V	522	1.16	202	278	368	478	606	752	923	12.7	210.5
	MP14FG	14.17	LBP	F	200-220 50/ 230V 60Hz	CSIR	R	C-V	610	1.12	242	333	441	573	727	902	1108	13.0	210.5
	MP16FG	16.15	LBP	F	200-220 50/ 230V 60Hz	CSR	R	C-V	887	1.40	346	484	627	813	1026	1274	1557	13.0	210.5

◆ R404A

R134a R290 **R404A** R600a

MHBP-50/60Hz

LBP MLBP HBP **MHBP** HMBP

(Cubigel)

50Hz 60Hz

Range	Model	Displ(cm ³)	Application	Cooling Type	Voltage/Frequency	Motor Type	Starting	Expansion	Check Point Data		ASHRAE							Weight(kg)	Height(mm)	
									7.2/54.4	7.2/54.4	Capacity(W)									
									Capacity	COP	Evaporating Temperature(°C)									
									W	W/W	-40	-35	-30	-25	-20	-15	-10			-10
L	ML80TG	7.57	HMBP	F	200-240 50/ 220-230V 60Hz	CSIR	P	C-V	1105	1.99	220	300	403	528	675	845	1038	1253	11.2	198
	ML90TG	8.86	HMBP	F	200-240 50/ 230V 60Hz	CSIR	R	C-V	1320	1.98	264	360	483	633	810	1014	1246	1504	12.7	198
P	MP12RB	12.05	HMBP	F	200-240 50Hz	CSIR	R	C-V	1838	2.30	369	504	676	886	1134	1420	1744	2106	13.5	210.5
	MP14RB	14.17	HMBP	F	200-240 50Hz	CSIR	R	C-V	2093	2.14	405	504	743	974	1247	1562	1918	2317	13.5	210.5

◆ R600a

R134a R290 R404A **R600a**

HMBP·50Hz

LBP MLBP HBP MHBP **HMBP**

(Cubigel)

50Hz 60Hz

Range	Model	Displ(cm ³)	Application	Cooling Type	Voltage/Frequency	Motor Type	Starting	Expansion	Check Point Data		ASHRAE								Weight(kg)	Height(mm)
									7.2/54.4	7.2/54.4	Capacity(W)									
									Capacity	COP	Evaporating Temperature(°C)									
									W	W/W	-25	-20	-15	-10	-5	0	5	10		
U	HUY55MA	5.5	HMBP	S	220-240V 50Hz	RSIR	P	C	332	2.70	70	92	122	153	191	236	284	337	8.8	173.5
	HUY70MA	6.7	HMBP	S	220-240V 50Hz	RSIR	P	C	400	2.70	86	113	149	199	235	190	350	414	8.9	173.5

ASHRAE test conditions

Items	ASHRAE	
	LBP/MLBP	HMBP
Evaporating temperature	-23.3	7.2
Condensing temperature	54.4	54.4
Subcooling temperature	32.2	46.1
Suction temperature	32.2	35
Ambient temperature	32.2	35

Measurement conversion
1W=3.41Btu/h
1W=0.86Kcal/h
1Kcal/h=3.97Btu/h
1立方英尺(cu)=28.32升(L)
1立方英寸(in)=16.39立方厘米(cc)

Indication of letters
F Fan cooling
S Static
P PTC Starter
R Relay
C Capillar and tube
V Expansion Valve

PRESSURE VESSEL

PRESSURE VESSEL



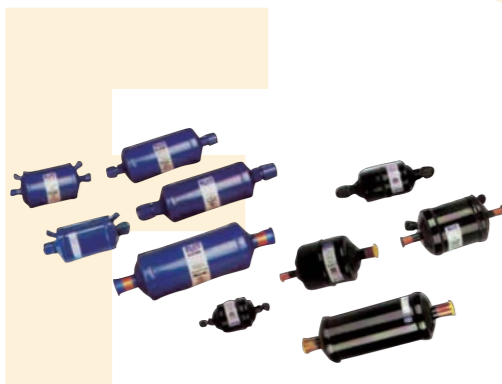
Pressure Vessel



Filter core



Suction Ling Accumulator



Filter Drier



Muffler



Oil Receiver



Helical oil separator



Receiver



Oil separator



Screw oil separator



Suction Accumulator with exchange

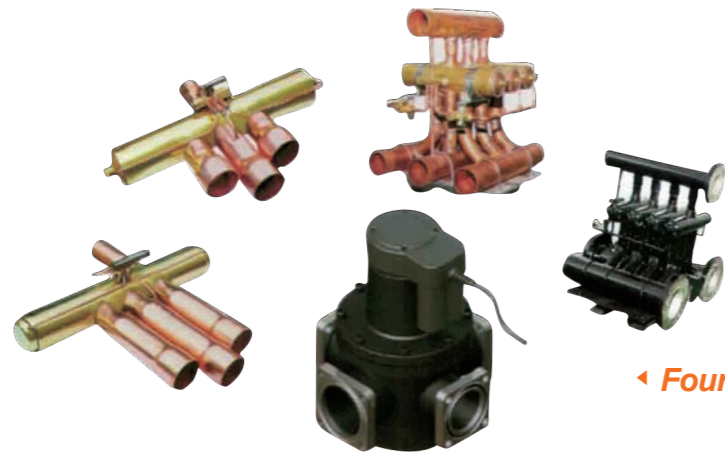


Replaceable filter drier care shell



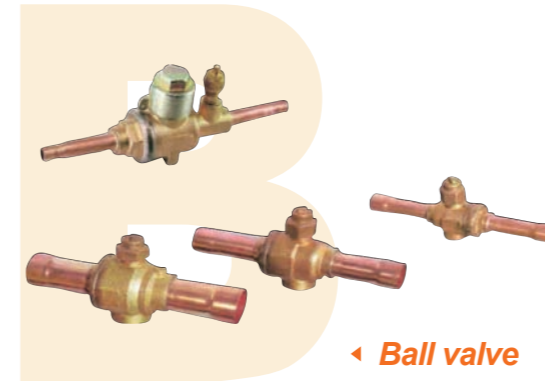
Oil level regulator

VALVES



◀ Four-way reverse valve

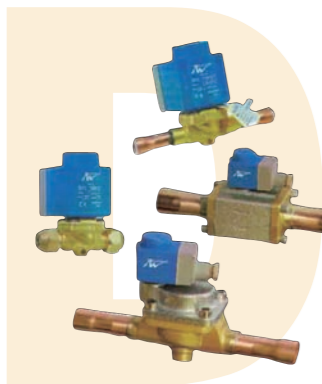
VALVES



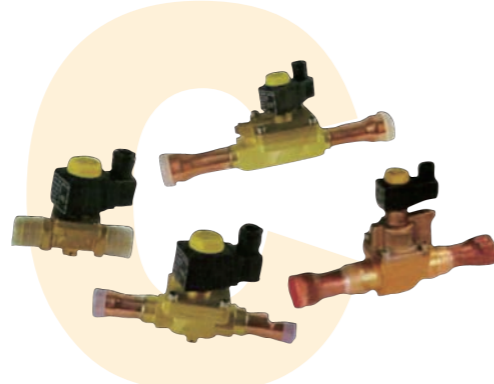
◀ Ball valve



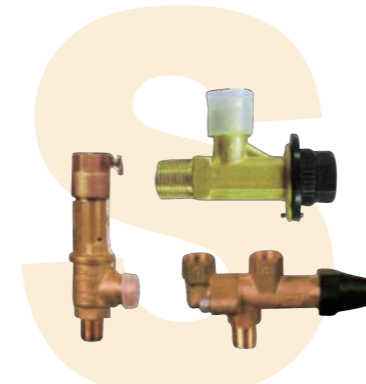
▲ Magnetic check valve



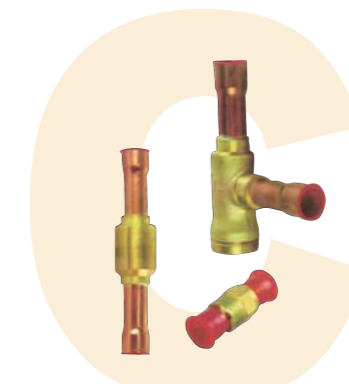
▲ Danfoss type solenoid valve



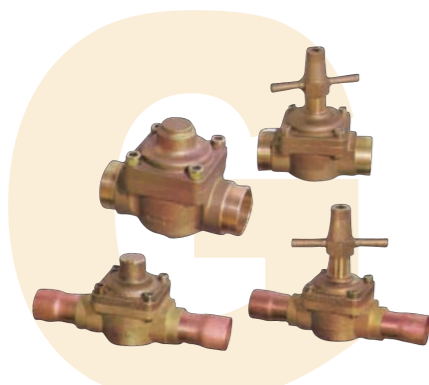
▲ Castel type solenoid valve



▲ Safety valve



◀ Check valve



▲ Globe valve



▲ Receiver & Hand valve



▲ Expansion valve



▲ Rotolock Valve

CONTROLS & SENSOR

CONTROLS & SENSOR



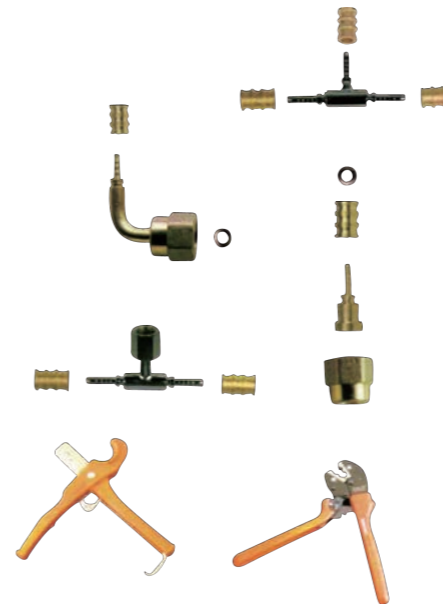
▲ Sight glass



▲ Pressure switch



◀ Sight glass



▲ Thermoplastic fittings and cutters



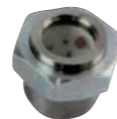
◀ Pressure gauge



◀ Sight glass



◀ Sight glass



▲ Pressure controller

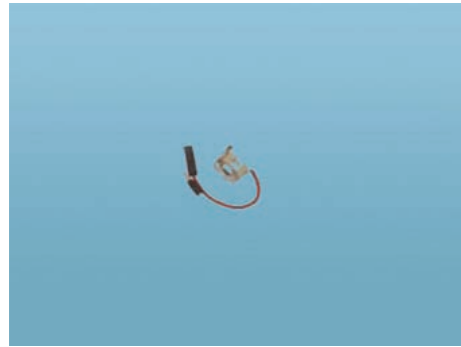


▶ Thermoplastic pressure hose



▼ Vibration absorber

DEFROST TIMER



BLD009

Product Name:
Defrost Thermostat
Product descriptions:
We can supply good quality with competitive price.



DS-005

Product Name:
Japanese Type Defrost Timer
Product descriptions:



DS-007

Product Name: Japanese Type Defrost Timer
Product descriptions:



DS-008

Product Name: Japanese Type Defrost Timer
Product descriptions:

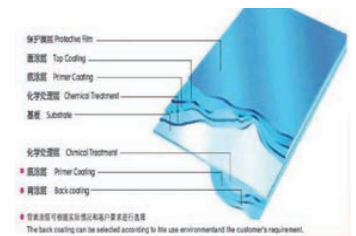
COLOR COATED METAL SHEET

PEM

pre-coated environmental metal sheet

■ Brief Description of the Products:

- * PEM is a substitute for VCM with better performance and environmental friendliness.
- * Our Steel, following the guidelines of sustainable development and environmental protection, draws on the advanced technology from Europe, incorporating the advantages of coated PCM and filmed VCM and the strength of its own techniques, develops the environmentally friendly PEM and take the first to apply it to home appliance industry and decoration industry.



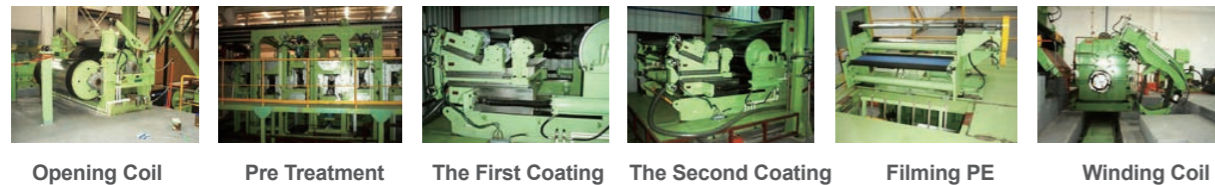
■ Features of the Products:

- * The forming is good, and there is no cracking after modeling.
- * Good pollution resistance, and they are easy to clean and don't have obvious traces.
- * Good whetting resistance and good harming resistance.
- * Satisfy the current request on the environmental protection.

COLOR COATED METAL SHEET

PCM pre-coated metal steel

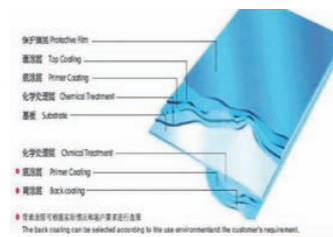
The Main Processor of PCM



Opening Coil Pre Treatment The First Coating The Second Coating Filming PE Winding Coil

Brief Description of the Products

- * PCM is the color steel sheet produced in a continuous roller coating process.
- * It has a wide variety of color for selection and can realize color combination according to customer's requirement.
- * Now, Hair Color Steel has developed out the electricity-conducting PCM colorful planks and the sanding PCM colorful planks.
- * Haier Color Steel is the nique domestic production base for sanding PCM colorful planks.



Roofing&outdoor Interior Decoration & Lighting Furniture Cabinet For HA/OA

Requirement from general public

- * Low cost
- * Environmental-friendly

Features of Products

- * Bright color
- * Good formability
- * Good coating property
- * Good anti-corrosion performance

Targets to be under our steel's control

- * High precision in size
- * Consistent performance
- * Timely delivery guaranteed

COLOR COATED METAL SHEET

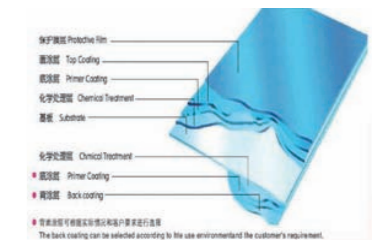
VCM PET/PVC Laminated Metal Sheet

Brief Description of the Products

- * VCM is a kind of laminated steel sheet featuring natural color,exquisite designs and elegant appearance.
- * VCM also has such features in performances,such as contamination resistance,corrosion resistance, scratch resistance,humidity resistance and no crack.
- * Our VCM adopts raw materials in strict compliance with the requirements of RoHS and has been extensively applied to home appliances such as refrigerators and washing machines,etc.

Features of the Products

- * Good mirror effect.
- * Good strength of the steel plate
- * Good modeling performance.
- * This series of colorful planks use some materials that are good for the environmental protection,which satisfy the requirements of the EU ROHS direction.



PPGI pre-painted galvalume steel coil

Features of the Products

- * Thickness: 0.20mm-0.75mm
- * Width: 850mm-1250mm
- * Azinc coating: Z30g-Z180
- * Coil ID: 508mm, 610mm
- * Coil weight: 3-8tons
- * Surface: According to Ral. Series or client's sample.
- * Steel grade: Q235, Q345,CGCC, DX51D+AZ,TSGAC,Hard hardness grade.
- * Standard: GB/T12754-2006 , JIS G3322,ASTM A755/M*
- * Packing: export standard package and fully seaworthy or as the customer requirement.



GASKETS

Magnetic Door Gasket with PVC Material

Product descriptions

- * We have over 600 kinds of profiles and moulds for PVC magnetic door gasket. The gasket has stable performance, such as good flexibility, low-temperature resistant, corrosion-resistant and aging-resistant, etc. It is widely used in refrigerator, disinfectant, distillatory, cabinet and so on.
- * We can design and produce the required mould and product according to the customers' drawing and requirement.
- * Anhe has been appraised as a national advanced enterprise & reliable exporter in accordance with high quality, the best price and services.
- * At present, the customers at home are: Media, Homa, Kolon, Galanz, Angel, Wanward, Kaidei, Wanbao, etc. The customers abroad are: Electrolux, Toshiba, Panasonic, etc.



Performance for PVC door gasket

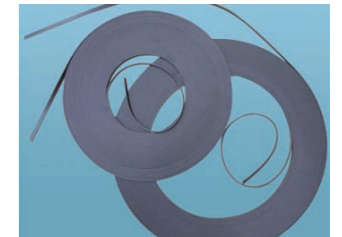
Item Material	Hardness	Tensile Strength	Elongation at Break	Temperature	Fungal Resistance	Plasticizer Migration
top grade material	70±3 HS(A)	≥10Mpa	≥250%	-25-70 C	0	HIPS 70 C 336h 5kg ≤0.01%
common material	70±3 HS(A)	≥10Mpa	≥200%	-20-60 C	0-1Grade	HIPS 70 C 336h 5kg ≤0.20%
Item Material	UV Color Stability	Tropical Test	Oil Immersion	Plasticizer Evaporation	Color	ROHS/ REACH
top grade material	254µm 50w 24h ΔL±1 Δa±0.5 Δb±0.5	70 C 8h ΔL±1 Δa±0.5 Δb±0.5	Olive Oil 60 C 12days < 8%	70 C 168h < 1%	ΔL±1 Δa±0.5 Δb±0.5	Pass
common material	254µm 50w 24h ΔL±2 Δa±1 Δb±1	100 C 6h Weight Loss ≤0.5%	Olive Oil 60 C 12days < 16%	70 C 168h < 3%	ΔL±1 Δa±0.5 Δb±0.5	Pass

GASKETS

Magnetic tape

Product descriptions

- * Flexible magnetic extrusion is flexible permanent magnets formed by extruding process, widely used in stationary, household appliance, water/air-tight appliance.
- * Also customer's profiles are available.
- * Normally single surface multi-pole magnetization for superior holding power. PSA coating is available.



p/n	brmT	bHc KA/m	iH KA/m	(BH)max KJ/m
AHMB-1	130-160	70-100	100-140	3.2-4.0
AHMB-2	150-180	90-130	140-160	4.8-7.0
AHMB-3	180-210	120-140	160-190	7.0-8.0

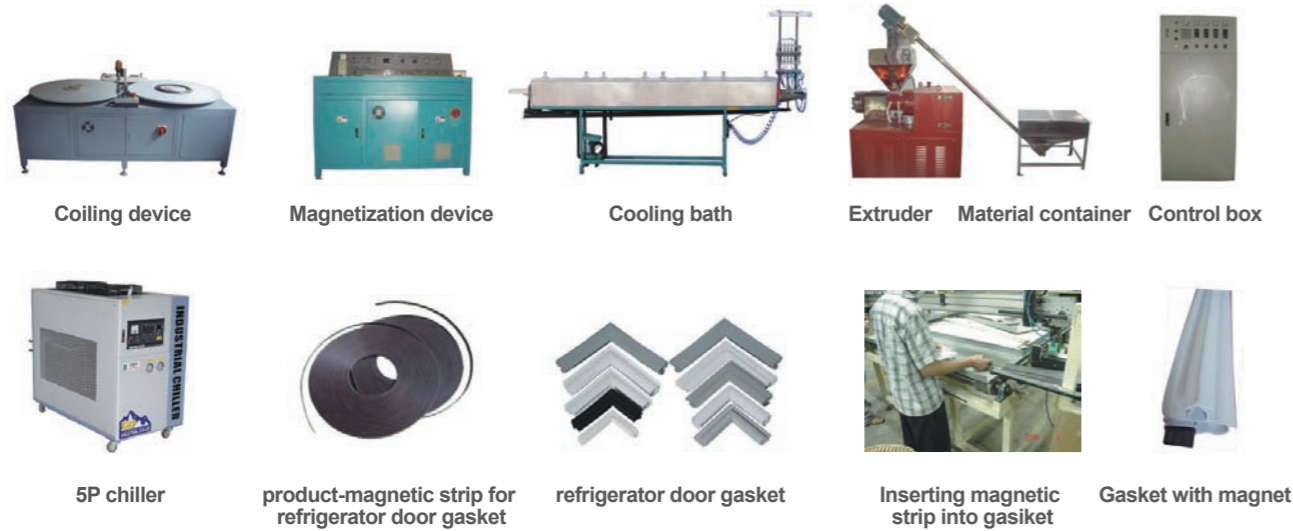
Tensile strength(Mpa)	Torsibility	Hardness (SHORE A)	Blending performance	Density
5-10	No crack with 180 torsion	93-97Hs(A)	100-140	3.6-3.8

Other Magnetic Door Gasket



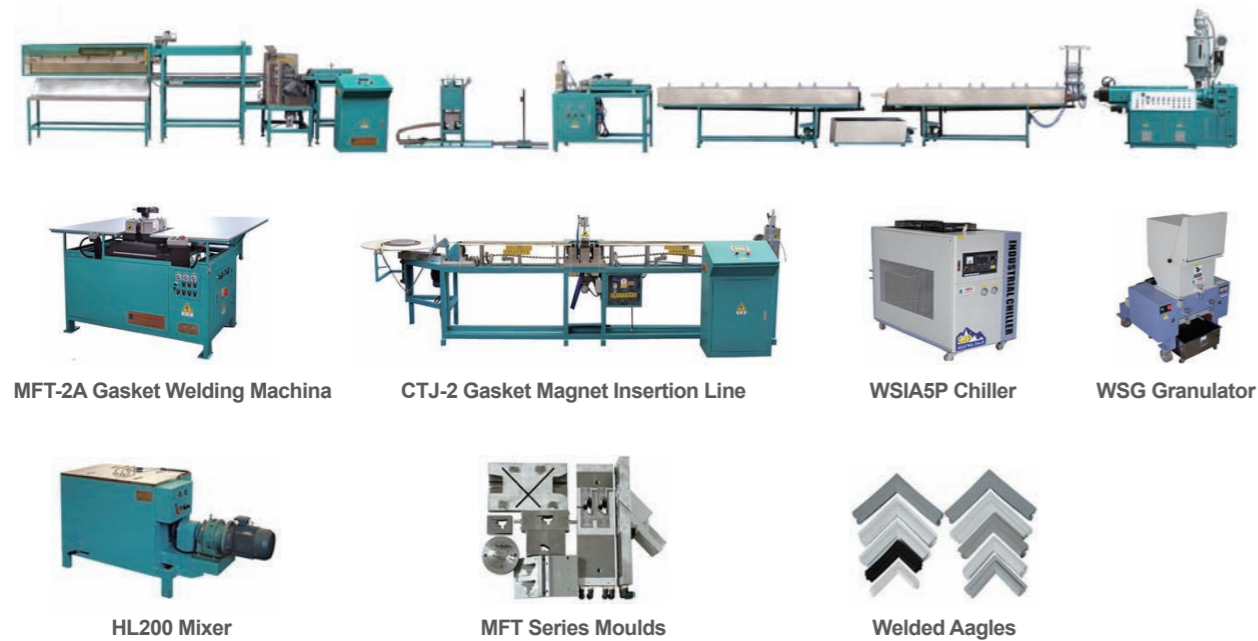
MACHINES

a whole set of magnet gasket extrusion line



* This gasket magnet production line consists of seven parts: material container, control box, extruder, cooling bath, magnetization device, coiling device and 5p chiller, extrude magnet granule into magnetic strip and made into coil on the double coil coiling device. This product is used for refrigerator door gasket.

a whole set of equipments for gasket production



BJI-A ICE CREAM FREEZER



Specifications

Model	BJL-A-THREE LAYER	BJL-A-TWO LAYER	BJL-A-THREE LAYER	BJL-A-TWO LAYER
Operating Temperature (0C)	-26	-26	-26	-26
Size L x W x Ht mm	1200*900*1370MM	1200*900*900MM	2430*750*2100MM	2430*750*2100MM
End wall (type)	GLASS	GLASS	GLASS	GLASS
Light (type & make)	LED	LED	LED	LED
Light (watt)	T8 LED 30W/one	T8 LED 30W/one	T8 LED 30W/one	T8 LED 30W/one
Fan (type & make)	ELCO	ELCO	ELCO	ELCO
Fan (watt)	38W	38W	38W	38W
Fan blades (plastic/metal)	metal	metal	metal	metal
Night Blind (type)	YES	YES	YES	YES
Front riser (mm)	2.0MM	2.0MM	2.0MM	2.0MM
Shelf riser (mm)	2.0MM	2.0MM	2.0MM	2.0MM
Evaporating temperature (0C)	-40	-40	-40	-40
Defrost type	STATIC	STATIC	STATIC	STATIC
Base (ss/Galv/PC)	GLA	GLA	GLA	GLA
Fan baffle (ss/Galv/PC)	GLA	GLA	GLA	GLA
Evap cover plate (ss/Galv/PC)	GLVA	GLVA	GLVA	GLVA
POWER	450W/220V/50HZ	300W/220V/50HZ	400W/220V/50HZ	280W/220V/50HZ
POWER CONSUMPTION	4.32KWH/24H	2.88KWH/24H	3.84KWH/24H	2.69KWH/24H

XDG-A COMBINED TYPE ISLAND FREEZER PLUG-IN



- * Compare with traditional island freezer, it saves energy;
- * Plug and play, you just need to prepare 220V power source to use;
- * Various combinations according to the requirements of area;
- * Automatic defrost system;
- * Particular partition fence and base can meet various different display result.

XDG-B COMBINED TYPE ISLAND FREEZER PLUG-IN



- * Compare with traditional island freezer, it saves energy;
- * Plug and play, you just need to prepare 220V power source to use;
- * Various combinations according to the requirements of area;
- * Automatic defrost system;
- * Particular partition fence and base can meet various different display result.

Model	XDG-A(BODY)	XDG-A(ENDING)	XDG-A(BODY)	XDG-A(BODY)
Dimension(mm)	1450*850*830MM	1850*850*830MM	2100*850*830MM	2500*850*830MM
INTER SIZE	1300*700*40MM	1600*700*40MM	1900*700*40MM	2300*700*40MM
NET WEIGHT	100KGS	150KGS	162KGS	192KGS
GROSS WEIGHT	120KGS	170KGS	182KGS	215KGS
Display Area (M3)	1.2	1.4	1.7	2.2
Capacity(L)	400L	600L	600L	800L
Power Rating(W)	480	550	550	650

Model	XDG-B	XDG-B
Dimension(mm)	1930*890*890MM	2100*890*890MM
NET WEIGHT	200KGS	220KGS
GROSS WEIGHT	220KGS	240KGS
Capacity(L)	750L	850L
Power Rating(W)	800W	800W

Temperature Range(°C)	-18~-22	Insulation material	Polyurethane-141B
Temperature controller	Dixell	Foaming dencity	50KGS/CBM
Defrost System	Automatic	External Material	home appliances plate
Voltage	220V~230/50/60HZ	External back material	home appliances plate
Compressor Brand	DANFOSS/EMBROCO	Inwall material	Embossing aluminum
Condenser blower	ELCO(ITALY BRAND)	Internal Lighting	LED
Refrigerant	404A	Colour	any colour you require
Condenser material	Copper pipe	Door	2
Evaporator	Aluminium alloy	Close style	Push and pull
Cooling means	static type	MOQ	One container quantity
Insulating course(mm)	70MM	Adjustable foot	Adjustable screw

Temperature Range(°C)	-18~-22	Insulation material	Polyurethane-141B
Temperature controller	Dixell	Foaming dencity	50KGS/CBM
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