SURE

FOOD PROCESSING MACHINERY

HITREES

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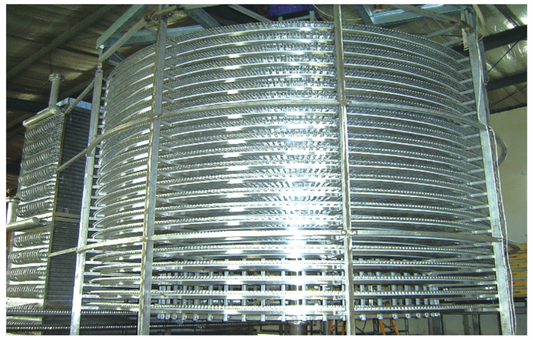


速冻设备 & 制冷设备

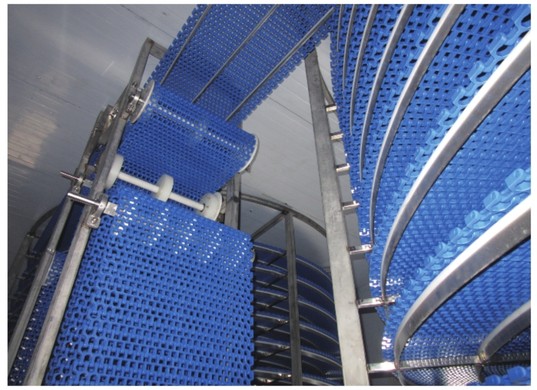
Freezing Equipment & Refrigeration Equipment

优势分析（与同等产量的隧道式速冻机相比）：

- 节省能源消耗
- 节省占地面积
- 速冻时间的可调范围更大

Its advantages (comparing with tunnel freezer with same output capacity):

- Saving energy consumption
- Saving floor occupying
- Retention time is much flexible; the adjusted range is larger



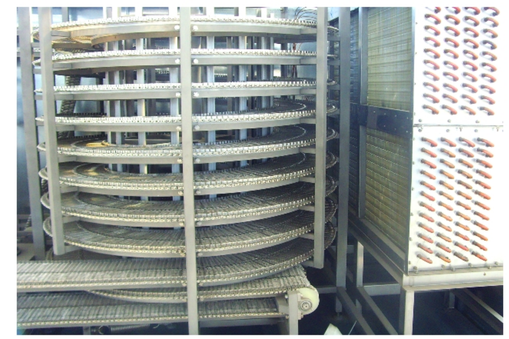
螺旋式速冻机
Spiral Freezer
HITREES

应用范围：

螺旋式速冻机主要应用于面食品，肉制品，水产和调理食品的快速冻结。

Its applications:

Spiral freezers are mostly used for flour food freezing, meat freezing, seafood freezing and prepared food freezing.



单螺旋式速冻机技术参数：

Technical Parameters of Single Drum Spiral Freezer:

型号：SF 系列	产量	装机功率	耗冷量	尺寸（长×宽×高）	网带宽度
Model: SF Series	Output	Installed Power	Refrigeration Consumption	Dimension L*W*H	Belt Width
SF200	200kg/h	3.55kw	30kw	4.0*3.3*2.1m	300mm
SF300	300kg/h	5.15kw	43.5kw	4.9*4.1*2.5m	450mm
SF500	500kg/h	11.2kw	75kw	5.6*4.0*2.9m	450mm
SF1000	1000kg/h	22.0kw	145kw	6.8*5.0*3.3m	600mm
SF1500	1500kg/h	31.0kw	225kw	6.8*5.2*4.5m	600mm

双螺旋式速冻机技术参数：

Technical Parameters of Double Drum Spiral Freezer:

型号：DF系列	产量	装机功率	耗冷量	尺寸（长×宽×高）	网带宽度
Model: DF Series	Output	Installed Power	Refrigeration Consumption	Dimension L*W*H	Belt Width
DF1000	1000kg/h	22.9 kw	145kw	7.5*5.5*3.0m	450mm
DF1500	1500kg/h	31.9kw	225kw	9.6*6.8*2.6m	600mm
DF2000	2000kg/h	46.2kw	296kw	9.6*6.8*3.3m	600mm
DF2500	2500kg/h	55.1kw	370kw	9.6*6.8*3.8m	600mm
DF3000	3000kg/h	62.5kw	440kw	9.6*6.8*4.2m	600mm

应用范围：

隧道式速冻机主要应用于面食品，肉制品，水产和调理食品的快速冻结。

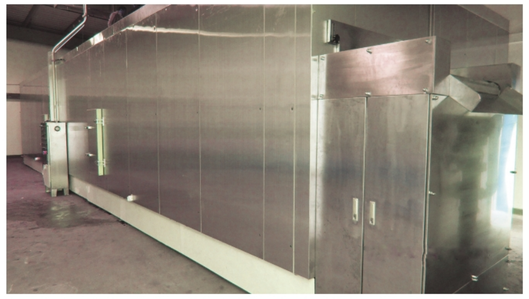
Its applications:

Tunnel freezers are mostly used for flour food freezing, meat freezing, seafood freezing and prepared food freezing.

隧道式速冻机技术参数：

Technical Parameters of Tunnel Freezer:

型号：TF系列	产量	装机功率	耗冷量	尺寸（长×宽×高）	网带宽度
Model: TF Series	Output	Installed Power	Refrigeration Consumption	Dimension L*W*H	Belt Width
TF100	100kg/h	2.25kw	15kw	7.4*1.5*2.2m	1000mm
TF150	150kg/h	2.95kw	21kw	8.0*1.8*2.3m	1300mm
TF200	200kg/h	4.5kw	30kw	10.2*1.8*2.3m	1300mm
TF300	300kg/h	6.5kw	43.5kw	11.2*2.3*2.3m	1800mm
TF500	500kg/h	10.3kw	75kw	13.5*3.0*2.5m	2500mm
TF1000	1000kg/h	19.8kw	142kw	22.9*3.0*2.5m	2500mm
TF1500	1500kg/h	28.6kw	225kw	26.4*3.5*2.5m	3000mm



应用范围：

流态化隧道式速冻机主要应用于果蔬类及小鱼小虾等海产品的快速单体冻结。

Its applications:

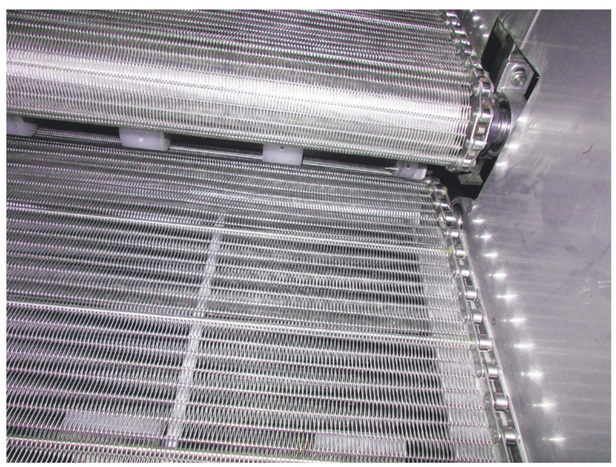
Fluidized IQF Tunnel freezer is mostly used for fruits & vegetables IQF freezing and small size seafood IQF freezing, like small fish, small shrimp...

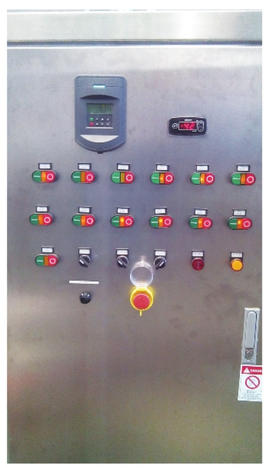
主要特点：

- 配备网带振动装置，防止产品与网带粘连
- 独特的冷风循环系统
- 可以选用前后上下双网带结构

Main Features:

- Equipped with belt vibration device which can prevent the stick between belt and products
- Special cold air circulating system
- Front and back, up and down double belt structure can be optional





卧式平板速冻机
Horizontal Plate Freezer

材质：
- 铝合金平板 • 不锈钢连接软管 • 不锈钢门板及五金件

Material:
- Aluminum–alloy plates
- Food grade stainless steel hoses
- Food grade stainless steel insulation and hard wares

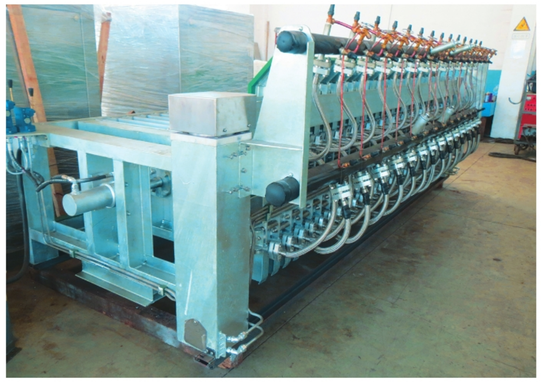
应用范围：
卧式平板速冻机主要应用于水产及肉类的块状冻结。

Its applications:
Horizontal plate freezers are mostly used for seafood block freezing and meat block freezing.

技术参数：
Technical Parameters:

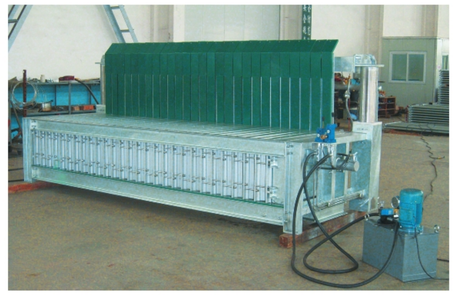
型号：PF–H系列	平板数量	平板间距	平板尺寸	尺寸（长×宽×高）	蒸发面积
Model: PF–H Series	Plates Qty	Plates Pitch	Plates Size	Dimension L*W*H	Eva. Area
PF–H–720	9	58–108mm	1290*1260mm	2710*1750*1685mm	30m^2
PF–H–960	9	58–108mm	1680*1260mm	3130*1750*1685mm	40m^2
PF–H–1200	11	58–108mm	1680*1260mm	3130*1750*1945mm	49m^2
PF–H–1500	11	58–108mm	2080*1260mm	3540*1750*1945mm	60m^2
PF–H–1950	14	58–108mm	2080*1260mm	3540*1750*2335mm	76m^2
PF–H–2520	14	58–108mm	2530*1260mm	3780*1750*3305mm	91m^2

立式平板速冻机
Vertical Plate Freezer



材质：
- 铝合金平板 • 不锈钢连接软管 • 整体热浸锌框架

Material:
- Aluminum–alloy plates
- Food grade stainless steel hoses
- Hot dip galvanized frame



应用范围：
立式平板速冻机主要应用于水产，肉类以及血制品的快速冻结。

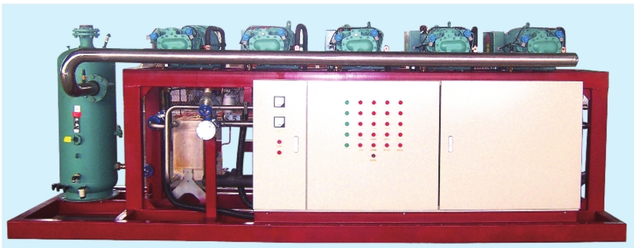
Its applications:
Vertical plate freezers are mostly used for seafood block freezing, meat block freezing and blood block freezing.

技术参数：
Technical Parameters:

型号：PF–V系列	平板数量	平板间距	冻块尺寸	尺寸（长×宽×高）	蒸发面积
Model: PF–V Series	Plates Qty	Plates Pitch	Block Size	Dimension L*W*H	Eva. Area
PF–V–880	23	100–106mm	525*525*100mm	4000*1650*1980mm	32m^2
PF–V–1080	28	100–106mm	525*525*100mm	4500*1650*1980mm	39m^2
PF–V–1400	36	100–106mm	525*525*100mm	5350*1650*1980mm	50m^2

MAIN CONFIGURATION 主要配置

NO.	ITEM设备及部件名称	BRAND 品牌配置
1	Semi–Hermetic Compressor 半封闭压缩机	BITZER from Germany 德国比泽尔
2	Oil Separator 油分离器	HITREES from China 海特瑞思
3	Oil Filter 油过滤器	DANFOSS from Denmark 丹麦丹佛斯
4	Feeding Filter 供液过滤器	HITREES from China 海特瑞思
5	Suction Filter 吸气过滤器	HITREES from China 海特瑞思
6	Sight Glass 视液镜	DANFOSS from Denmark 丹麦丹佛斯
7	Parallel Compressor Unit Controller 并联压缩机组控制器	CAREL from Italy 意大利卡乐
8	Pressure Controller 压力控制器	DANFOSS from Denmark 丹麦丹佛斯
9	Solenoid Valve 电磁阀	DANFOSS from Denmark 丹麦丹佛斯
10	AC Contactor 交流接触器	SIEMENS from Germany 德国西门子
11	Pressure Sensor 压力传感器	CAREL from Italy 意大利卡乐
12	Liquid Reservoir 储液器	HITREES from China 海特瑞思
13	Refrigeration Oil 冷冻油	BITZER from Germany 德国比泽尔

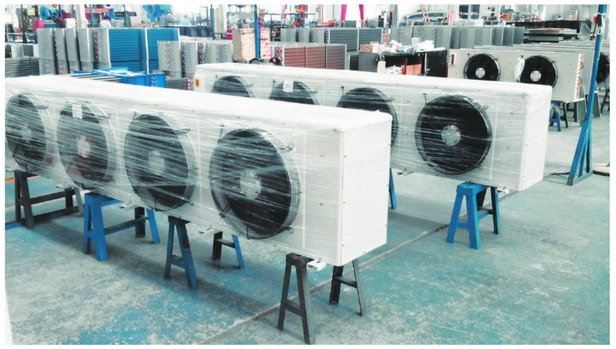


根据库温区间的不同，冷库可以分为0到5度保鲜库，-18度低温冷藏库和-35度速冻库。

According to different temperature range, cold room can be divided into 0~+5 degree Celsius cold room, -18 degree Celsius freezing room and -35 degree Celsius quick freezing room.

库板可以选用聚氨酯彩钢板或者聚氨酯不锈钢板。

We have pre-painted steel (color steel) PUF panels and stainless steel PUF panels for option.



一般情况下，0到5度保鲜库选用100mm厚聚氨酯库板，-18度低温冷藏库和-35度速冻库选用150mm厚聚氨酯库板。

Panel thick: 100mm thick for 0~+5 degree Celsius cold room, 150mm thick for -18 degree Celsius freezing room and -35 degree Celsius quick freezing room.

我们可以根据客户要求的冷库尺寸和温度进行定制化生产，从而满足不同客户的要求。

Cold room can be customized. We can design and produce according to different requirement on size and temperature.

低温解冻库
Refrigerated Defrosting Room

低温解冻库配有制冷系统，加热系统，加湿系统和循环系统。其工作原理是利用低温高湿空气均匀吹拂解冻物品，通过分阶段控制解冻温度和时间，使其缓慢解冻。低温解冻库主要用于块状冻肉的解冻。与其他解冻方式相比，低温解冻库的解冻效果更均匀，无交叉污染，失水率极低。

Refrigerated defrosting room is equipped with refrigeration system, heating system, humidifying system and circulating system. We use low temperature and high humidity air circulate on the surface of frozen products evenly and make them defrost slowly. Defrosting temperature and defrosting time can be controlled automatically by stage. Refrigerated defrosting room is mainly used to defrost block frozen meat, block frozen chicken and block frozen fish. Comparing with other defrosting methods, refrigerated defrosting can make products defrost more evenly without cross-contamination and the water loss is much less.

低温干燥库
Refrigerated Drying Room

低温干燥库主要用于水产品，肉类，果蔬，谷物，糖和盐的干燥。与加热干燥相比，低温干燥可以最大限度的保持干燥物品原有的色泽，风味及营养成分。

Refrigerated drying room is mostly used to dry seafood, meat, fruits & vegetables, cereal, sugar and salt. Comparing with high temperature drying, refrigerated drying can mostly keep products in their original color, flavor and nutrition.

炒冰机
Fry Ice Cream Roll Machine

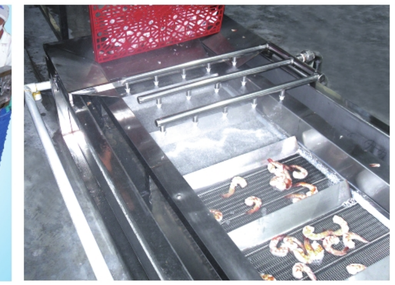
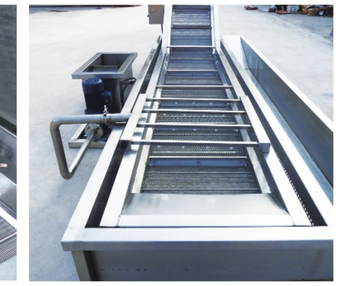
产品特点：

- SUS304不锈钢材质，冰盘深度为2cm
- 松下压缩机
- 制冷快：只需2–4分钟就可以降温到–15℃到 –20℃，最低温度可达–32℃
- 使用环保制冷剂R404A或者R410A
- 适用于学校周边，餐厅，咖啡店，副食店，超市，酒店等场所

Features:

- SUS304 stainless steel material and 2cm pan depth
- Panasonic compressors
- Fast cooling, it will take only 2–4 minutes to bring temperature down to between–15℃ and –20℃. Lowest temperature can reach –32℃
- Using environment friendly refrigerant R404a or R410a
- Widely used in restaurant, coffee shop, frozen foods store, leisure foods store, hotel and other relative locations

包冰衣机
Ice Glazing Machine

包冰衣机主要用于鱼片、虾等海产品的加工处理。

Ice glazing machine is mainly used to glaze fish fillet, fish, prawn or other seafood.

整机采用食品级不锈钢制作，满足食品卫生要求。

Ice glazing machine is made of food grade stainless steel. It can fully meet food hygiene standard.

配备变频器，网带运行速度可调。

The belt speed can be adjusted by variable speed controller installed on control panel.

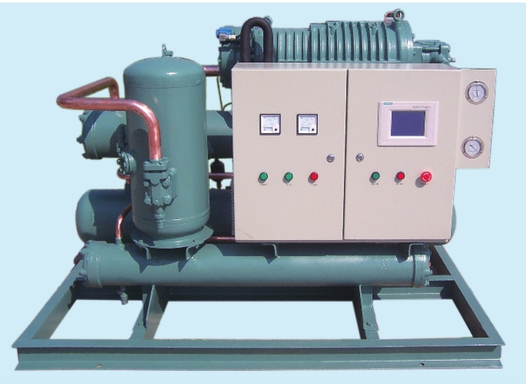
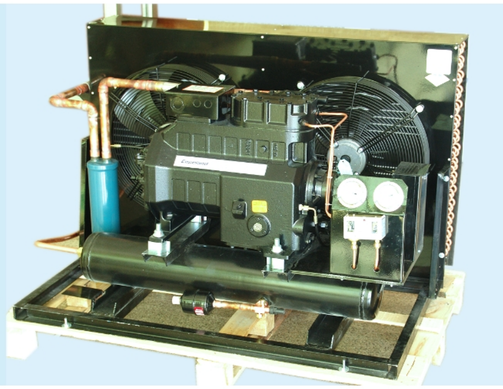
可以同时实现浸水包冰和喷水包冰，从而保证包冰效果。

We use immersing glazing together with spraying glazing to guarantee the glazing effect.

与隧道式速冻机或者螺旋式速冻机配套使用。

Work together with tunnel IQF freezer or spiral IQF freezer.

压缩冷凝机组
Compressor Condensing Unit

技术参数：

- 压缩机可选比泽尔，谷轮，泰康或者其他品牌
- 冷凝方式可选风冷或者水冷
- 工况可选高温工况，中温工况或低温工况
- R404a/R134a/R507a

Technical Specifications:

- We can use Bitzer compressor, Copeland compressor, Tecumseh compressor or other compressor brand appointed
- Air cooled condenser and water cooled condenser available
- Working condition: high temperature condition, medium temperature condition and low temperature condition available
- R404a/R134a/R507a

片冰机
Flake Ice Machine

技术参数：
Technical Parameters:

型号	日产量	制冷量	蒸发温度	减速机功率	循环泵功率	压缩机
Model	Daily Output	Refrigeration Capacity	Evaporating Temperature	Speed Reducer Power	Circulating Pump Power	Compressor Capacity
IM-03T	300kg/24h	1645kcal	-19℃	0.18kw	0.025kw	2HP
IM-05T	500kg/24h	2350kcal	-20℃	0.18kw	0.025kw	3HP
IM-08T	800kg/24h	3525kcal	-20℃	0.18kw	0.025kw	4HP
IM-1T	1T/24h	4700kcal	-20℃	0.18kw	0.025kw	5HP
IM-2T	2T/24h	9400kcal	-22℃	0.37kw	0.03kw	6HP
IM-2.5T	2.5T/24h	11750kcal	-22℃	0.37kw	0.03kw	8HP
IM-3T	3T/24h	14100kcal	-22℃	0.37kw	0.03kw	12HP
IM-4T	4T/24h	18800kcal	-22℃	0.37kw	0.03kw	20HP
IM-5T	5T/24h	23500kcal	-22℃	0.55kw	0.12kw	25HP
IM-6T	6T/24h	28200kcal	-22℃	0.55kw	0.12kw	30HP
IM-8T	8T/24h	37600kcal	-22℃	0.75kw	0.25kw	40HP
IM-10T	10T/24h	47000kcal	-25℃	0.75kw	0.25kw	50HP
IM-15T	15T/24h	70500kcal	-25℃	1.5kw	0.55kw	80HP
IM-20T	20T/24h	94000kcal	-25℃	1.5kw	0.55kw	90HP
IM-25T	25T/24h	117500kcal	-25℃	1.5kw	0.75kw	120HP
IM-35T	35T/24h	164500kcal	-25℃	1.5kw	0.75kw	140HP
IM-45T	45T/24h	211500kcal	-25℃	2.2kw	1.1kw	225HP
IM-60T	60T/24h	282000kcal	-25℃	2.2kw	1.1kw	280HP

适用范围：
冷风机根据型号的不同， 分别适用于高温库，中温库和低温库。

Application：
Air–cooled Evaporator has three model series, separately designed for high, medium and low temperature cold room.

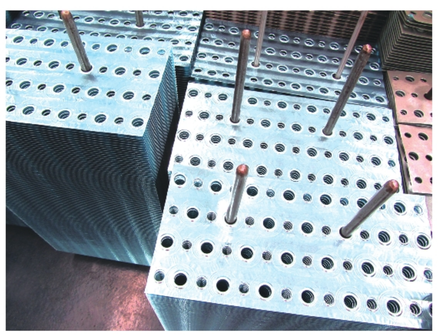
高温系列风冷冷风机：DL系列

High temperature air–cooled evaporator：DL Series

片距：4.5mm　　适宜库温：0℃。

fin distance : 4.5 mm　　temperature = 0℃

型号	名义制冷量	名义蒸发面积	冷风机电机					融霜电热管		
			Motor					Heater		
			数量	直径	风量	功率	电压	盘管	水盘	电压
Model	Capacity T = 0 ℃ ΔT=7℃ (W)	Evaporating Areas (m²)	Amount (set)	Diameter (Φmm)	Air-volume (m³/h)	Power (W)	Voltage (V)	Coil Pipe (Kw)	Water Pan (Kw)	Voltage (V)
SR-DL10	2000	10	1	Φ300	1563	75	380	0.9	0.6	220
SR-DL20	4100	20	2	Φ300	2*1563	2*75	380	0.9	0.9	220
SR-DL30	5000	30	3	Φ300	3*1563	3*75	380	0.9	1.2	220
SR-DL40	8000	40	2	Φ400	2*3400	2*180	380	1	1.2	220
SR-DL60	11200	60	2	Φ400	2*3400	2*180	380	1	1.2	220
SR-DL80	16200	80	2	Φ500	2*6570	2*450	380	2.4	1.2	220
SR-DL105	21300	105	2	Φ500	2*6570	2*450	380	2.6	1.2	220
SR-DL125	25000	125	3	Φ500	3*6570	3*450	380	4	1.5	220
SR-DL160	32600	160	3	Φ500	3*6570	3*450	380	4	1.5	220
SR-DL185	37600	185	4	Φ500	4*6570	4*450	380	4.6	2.1	220
SR-DL210	42700	210	4	Φ500	4*6570	4*450	380	4.6	2.1	220
SR-DL260	52000	260	4	Φ500	4*6570	4*450	380	7.8	2.1	220
SR-DL330	66000	330	4	Φ550	4*8720	4*600	380	10.4	2.1	220
SR-DL400	81300	400	4	Φ600	4*12820	4*780	380	13	2.1	220



中温系列风冷冷风机：DD系列

Medium temperature air–cooled evaporator：DD Series

片距：6mm　　适宜库温：-18℃。

fin distance : 6 mm　　temperature = –18℃

型号	名义制冷量	名义蒸发面积	冷风机电机					融霜电热管		
			Motor					Heater		
			数量	直径	风量	功率	电压	盘管	水盘	电压
Model	Capacity T= -18℃ ΔT=7℃ (W)	Evaporating Areas (m²)	Amount (set)	Diameter (Φmm)	Air-volume (m³/h)	Power (W)	Voltage (V)	Coil Pipe (Kw)	Water Pan (Kw)	Voltage (V)
SR-DD7	1300	7	1	Φ300	1563	75	380	0.9	0.6	220
SR-DD15	2800	15	2	Φ300	2*1563	2*75	380	1.8	0.9	220
SR-DD22	3700	22	3	Φ300	3*1563	3*75	380	1.8	1.2	220
SR-DD30	5600	30	2	Φ400	2*3400	2*180	380	3	1.2	220
SR-DD40	7500	40	2	Φ400	2*3400	2*180	380	3	1.2	220
SR-DD60	11200	60	2	Φ500	2*6570	2*450	380	4.8	1.2	220
SR-DD80	14900	80	2	Φ500	2*6570	2*450	380	6.5	1.2	220
SR-DD100	18700	100	3	Φ500	3*6570	3*450	380	12	1.5	220
SR-DD120	22400	120	3	Φ500	3*6570	3*450	380	12	1.5	220
SR-DD140	26200	140	4	Φ500	4*6570	4*450	380	13.8	2.1	220
SR-DD160	30000	160	4	Φ500	4*6570	4*450	380	15.6	2.1	220
SR-DD200	38000	200	4	Φ500	4*6570	4*450	380	15.6	2.1	220
SR-DD250	47500	250	4	Φ550	4*8720	4*600	380	20.8	2.1	220
SR-DD300	57000	300	4	Φ600	4*12820	4*780	380	23.4	2.1	220

低温系列风冷冷风机：DJ系列

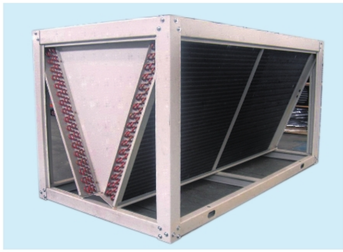
Low temperature air–cooled evaporator：DJ Series

片距：9mm　　适宜库温：-25℃

fin distance : 9mm　　temperature = –25℃

型号	名义制冷量	名义蒸发面积	冷风机电机					融霜电热管		
			Motor					Heater		
			数量	直径	风量	功率	电压	盘管	水盘	电压
Model	Capacity T= -25℃ ΔT=7℃ (W)	Evaporating Areas (m²)	Amount (set)	Diameter (Φmm)	Air-volume (m³/h)	Power (W)	Voltage (V)	Coil Pipe (Kw)	Water Pan (Kw)	Voltage (V)
SR-DJ15	2100	15	3	Φ300	3*1563	3*75	380	1.8	1.2	220
SR-DJ20	3600	20	2	Φ400	2*3400	2*180	380	3	1.2	220
SR-DJ30	4600	30	2	Φ400	2*3400	2*180	380	3	1.2	220
SR-DJ40	7100	40	2	Φ500	2*6570	2*450	380	4.8	1.2	220
SR-DJ55	8900	55	2	Φ500	2*6570	2*450	380	6.5	1.2	220
SR-DJ70	11600	70	3	Φ500	3*6570	3*450	380	12	1.5	220
SR-DJ85	14300	85	3	Φ500	3*6570	3*450	380	12	1.5	220
SR-DJ100	17100	100	4	Φ500	4*6570	4*450	380	13.8	2.1	220
SR-DJ115	19600	115	4	Φ500	4*6570	4*450	380	13.8	2.1	220
SR-DJ140	23800	140	4	Φ500	4*6570	4*450	380	15.6	2.1	220
SR-DJ170	28900	170	4	Φ550	4*8720	4*600	380	20.8	2.1	220
SR-DJ200	34000	200	4	Φ600	4*12820	4*780	380	23.4	2.1	220

- 铜管铝翅片
- 采用低噪音高效率风机
- Copper tube and aluminum fin
- Adopt low noise high efficiency fan



风冷冷凝器分为单电机风冷冷凝器，双电机风冷冷凝器，四电机风冷冷凝器和V型风冷冷凝器。
The Air-cooled Condenser includes: single motor air-cooled condenser, double motors air-cooled condenser, four motors air-cooled condenser and V type air-cooled condenser.

单电机风冷冷凝器
Single Motor Air-cooled Condenser

型号	冷凝面积	风机电机				
		Fan Motor				
Model	Condensing area (m²)	数量	风叶直径	风量	功率	电压
		Amount(set)	Fan diameter(mm)	Air volume(m³/h)	Power(w)	Voltage(v)
SR-FN12	12	1	Φ350	1800	90	220/380
SR-FN18	18	1	Φ400	3000	120	380
SR-FN28	28	1	Φ500	5800	300	380
SR-FN38	38	1	Φ500	6246	400	380
SR-FN53	53	1	Φ550	8487	500	380

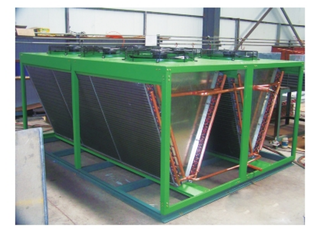
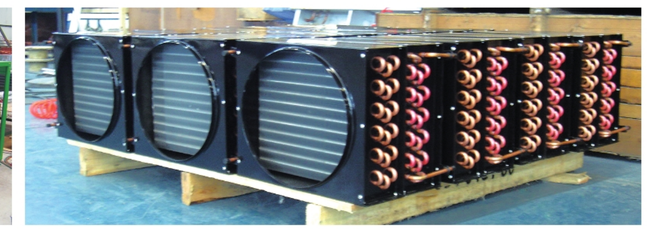
双电机风冷冷凝器
Double Motors Air-cooled Condenser

型号	冷凝面积	风机电机				
		Fan Motor				
Model	Condensing area (m²)	数量	风叶直径	风量	功率	电压
		Amount(set)	Fan diameter(mm)	Air volume(m³/h)	Power(w)	Voltage(v)
SR-FN72	72	2	Φ500	6246*2	2*400	380
SR-FN81	81	2	Φ500	6246*2	2*400	380
SR-FN93	93	2	Φ550	8487*2	2*500	380
SR-FN110	110	2	Φ550	8487*2	2*500	380

风冷冷凝器
Air-cooled Condenser
HITREES

四电机风冷冷凝器
Four Motors Air-cooled Condenser

型号	冷凝面积	风机电机				
		Fan Motor				
Model	Condensing area (m²)	数量	风叶直径	风量	功率	电压
		Amount(set)	Fan diameter(mm)	Air volume(m³/h)	Power(w)	Voltage(v)
SR-FN70	70	4	Φ350	4*1800	4*90	220/380
SR-FN80	80	4	Φ400	4*3000	4*120	380
SR-FN100	100	4	Φ400	4*3000	4*120	380
SR-FN120	120	4	Φ400	4*3000	4*120	380
SR-FN150	150	4	Φ500	4*4000	4*370	380

V型风冷冷凝器
V Type Air-cooled Condenser

型号	冷凝面积	风机电机			
		Fan Motor			
Model	Condensing area (m²)	数量	风叶直径	功率	电压
		Amount(set)	Fan diameter(mm)	Power(w)	Voltage(v)
SR-FNV100	100	2	Φ450	2*250	380
SR-FNV120	120	2	Φ500	2*450	380
SR-FNV140	140	2	Φ550	2*600	380
SR-FNV160	160	2	Φ550	2*600	380
SR-FNV185	185	2	Φ600	2*780	380
SR-FNV210	210	2	Φ630	2*800	380
SR-FNV250	250	2	Φ630	2*800	380
SR-FNV300	300	3	Φ630	3*800	380
SR-FNV350	350	3	Φ630	3*800	380