冷风机
Evaporators

MJN系列水冲霜(非标定制)

MJX商用斜出风冷风机

哲雪系列产品之一冷风机适用于各种大中小型储存保鲜、冷冻产品的冷库、食品加工和物流中心，紧凑可靠的设计使得客户可以最大程度地利用存储的空间，采用低噪音外转子电机，降低了工作区的噪音，提高了舒适度，涵盖了从1.0KW到210KW的制冷量；适用于R134a·R404A·R507A·R407C·R22各类制冷剂。

ZheXuebrand evaporator is suitable for any kinds of cold storage for the food ,vegetables,food processing workshop and logistics center. The compact design of our evaporators save much space for our clients, we also choose the external fan motor with lower noise to build a comfortable environment. ZHEXUE evaporators' cooling capacity range is from 1.0kw to 210kw, they are used for Freon such as R134A,R22,R404A,R507C and R407C.

产品特点 Product feature

1、产品采用欧洲前沿技术设计，使产品性能更科学、更优越。
2、 冷风机外壳板采用静电喷涂镀锌钢板或不锈钢板，符合卫生标准。
3、 内部钣金及端板串板采用高强度防腐铝合金板，浮动盘管设计，杜绝了铜管损伤。
4、 使用15.88mm光管、9.52mm、12.7mm内螺纹铜管以及特殊的管间距及热交换表面技术，提高能效比。
5、翅片冲压设备采用科学模具，15.88mm光管、9.52mm、12.7mm提高换热面积的同时减少了风阻。
6、装配高拉伸式导风圈可增加风机的效率和射程（风机直径500mm以上系列）。
7、翅片组底部装有挡风接水板，杜绝进风从接水盘内通过，使更多的风穿过翅片组，获得更大的换热量。
8、所有型号冷风机均装配进口品牌的外转子轴流风机。
9、科学优化的分路设计和针对不同工况独立选型的分液器，提高换热器在不同应用工况中的换热效率。
10、所有冷风机均装有压力表接口，可以实现压力检测和调校蒸发器性能。
11、装配进口品牌不锈钢电加热管，使蒸发器获得快速高效的融霜效果。
12、冷风机整体设计紧凑，结构安全可靠，节省空间，制冷剂用量明显减少。
13、中大型号冷风机带支撑腿，便于运输和现场吊装。

Products Feature

1、Designed by the advanced European technology , make the products more efficiency.
2、The external casing is s/s or galvanized steel sheet with electrostatic spraying technology, comply with hygiene standards.
3、The inner casing is anti corrosive aluminium sheet and the floating coil design can prevent pipe broke.
4、Using15.88mm copper pipe、9.52mm and 12.7mm inner thread copper pipe, special length between pipes and advanced technology of heat exchange surface make our evaporator more efficiency.
5、 Fins stamping equipment adopts scientific mold , using15.88mm pipes、9.52mmand 12.7mm inner thread pipes, it reduce the wind resistance.
6、Equipped with the extended wind guide,it can improve the motors efficiency and raise the air flow (motors more than 500mm).
7、We have windshield at the bottom of the fan coils, it can prevent the air through the water tray,then more wind will through out the fan coils to improve the heat exchange efficiency.
8、All evaporators are equipped with the international brand external fan motors.
9、Optimized pipe rows and lines design and different liquid distributor can improve the heat exchange efficiency based on the different condition.
10、All evaporators are equipped with the connection of pressure gauge.
11、All evaporators are equipped with best brand s/s ele. Heaters to defrost quickly.
12、The compact design saves much Freon.
13、Middle and big size evaporator are equipped with the installation frame, it is easy to transport and install.

换热器产品命名规则
Model Description

MJ L 50 3 C 06 R6 -F

① ② ③ ④ ⑤ ⑥ ⑦ ⑧

⑧ 后缀 空:镀锌板喷塑标准风机自然化霜
S： 不锈钢外壳标准风机 L:铝合金壳体
SS: 不锈钢壳体加不锈钢电机 B: 翅片侧出风 E: 电化霜
H: 热气化霜 W: 水冲霜 F: 非标（自定义）

⑧ Suffix empty: galvanized sheet spray standard fan natural defrost
S： Standard fan with stainless steel casing L: Aluminum alloy casing
SS : Stainless Steel Casing With Stainless Steel Motor B: Fin Side Air Outlet
E: Ele. Defrost. H: Hot Gas defrost W: Water defrost F: Non-standard

⑦ 管排数 R1-R9：表示1-9排
⑦ Number of pipe rows R1-R9: 1-9 rows

⑥ 片距 04表示4.5mm片距 06表示6mm片距 07表示7mm片距
08表示8mm片距 10表示10mm片距 16表示8/16变片距
⑥ Fin Space 04=4.5mm 06=6mm 07=7mm 08=8mm 10=10mm 16=8/16

⑤模块 C：方形 T：三角形
⑤ Module C: Square T: Triangle

④ 风机数量 1-9表示风机个数
④ Number of fans 1-9

③ 风机系列 Evaporators series
30：300电机 35：350电机 40：400电机 45：450电机
50：500电机 56：560电机 63：630电机 80：800电机
③ 30: 300 Motor 35:350 Motor 40:400 Motor 45:450 Motor
50: 500 Motor 56:560 Motor 63:630 Motor 80:800 Motor

② 系列 L: 大型工业型 B: 商用型 H: 高效型 N: 高效工业型 D: 双出风 X: 斜出风 W: 负压式 Q: 落地式
② Series L: Large industrial type B: Commercial type H: High efficient type N: High efficiency for industrial
D: Double sides air blow X: Inclined blow evaporator W: Negative pressure type Q: Floor-mounted type

① 品牌 MJ: 哲雪产品
① Brand MJ: ZheXue Products

注：低温冷风机标配电除霜
Note: Ele. Defrost is standard for low temp. Evaporators

修正系数
Correction Factors

修正系数DT1:
Correction Factors DT1

样本中的制冷量=回风温度-蒸发温度，是基于制冷剂为R404A，直接膨胀DT1和85%的RH工况下的参数。
DT1是工作室冷风机回风温度和蒸发温度的差值。蒸发温度是指冷风机出口端制冷剂饱和气体温度。

DT1 is the difference between the return air temperature and the evaporation temperature of the air cooler. Evaporation temperature refers to the temperature of the refrigerant saturated gas at the outlet of the cooling fan.

名义制冷量: (SC1) t_o = 0℃ and DT1=10K
(SC2) t_o = -8℃ and DT1=8K
(SC3) t_o =-25℃ and DT1=7K
(SC4) t_o =-31℃ and DT1=6K
(SC5) t_o =-35℃ and DT1=6K

修正系数是根据回风温度和温差的变化而变化的，请参照下表查找相应的修正系数，选型前实际的制冷量必须乘以下表中对应的修正系数，得到的名义制冷量才能在后附的选型表中选型，其他工况下请联系厂家提供选型。

The correction coefficient changes according to the change of the return air temp. and temp. difference. Please refer to the following table to find the corresponding correction coefficient. The actual cooling capacity before selection must multiply by the corresponding correction coefficient in the table below. The resulting nominal cooling capacity can only be selected in the attached type selection table. other working conditions, please contact the manufacturer for the type selection.

Q实际制冷量=Q名义制冷量x修正系数x制冷剂系数
Q actual cooling capacity = Q nominal cooling capacity x correction factor x refrigerant factor

修正系数参考值 Correction coefficient reference value

DT1	参考名义制冷量SC1工况 SC1工况，t_o=0℃，DT1=10K 蒸发温度（t_o）														
K	10	9	8	7	6	5	4	3	2	1	0	-1	-2	-3	-4
6	0.541	0.539	0.537	0.535	0.533	0.531	0.529	0.526	0.518	0.510	0.490	0.509	0.502	0.490	0.455
7	0.687	0.682	0.677	0.672	0.668	0.663	0.658	0.653	0.644	0.633	0.613	0.625	0.618	0.599	0.564
8	0.838	0.830	0.822	0.814	0.807	0.799	0.791	0.784	0.773	0.759	0.740	0.745	0.737	0.711	0.677
9	0.993	0.982	0.97	0.96	0.948	0.938	0.927	0.917	0.904	0.887	0.869	0.865	0.854	0.824	0.791
10	1.152	1.137	1.122	1.107	1.093	1.079	1.065	1.052	1.037	1.018	1.000	0.985	0.951	0.939	0.908
11	1.312	1.293	1.275	1.257	1.239	1.222	1.205	1.188	1.172	1.15	1.149	1.13	1.073	1.054	1.026
12	1.475	1.453	1.431	1.409	1.387	1.367	1.346	1.326	1.306	1.282	1.276	1.256	1.198	1.170	1.146

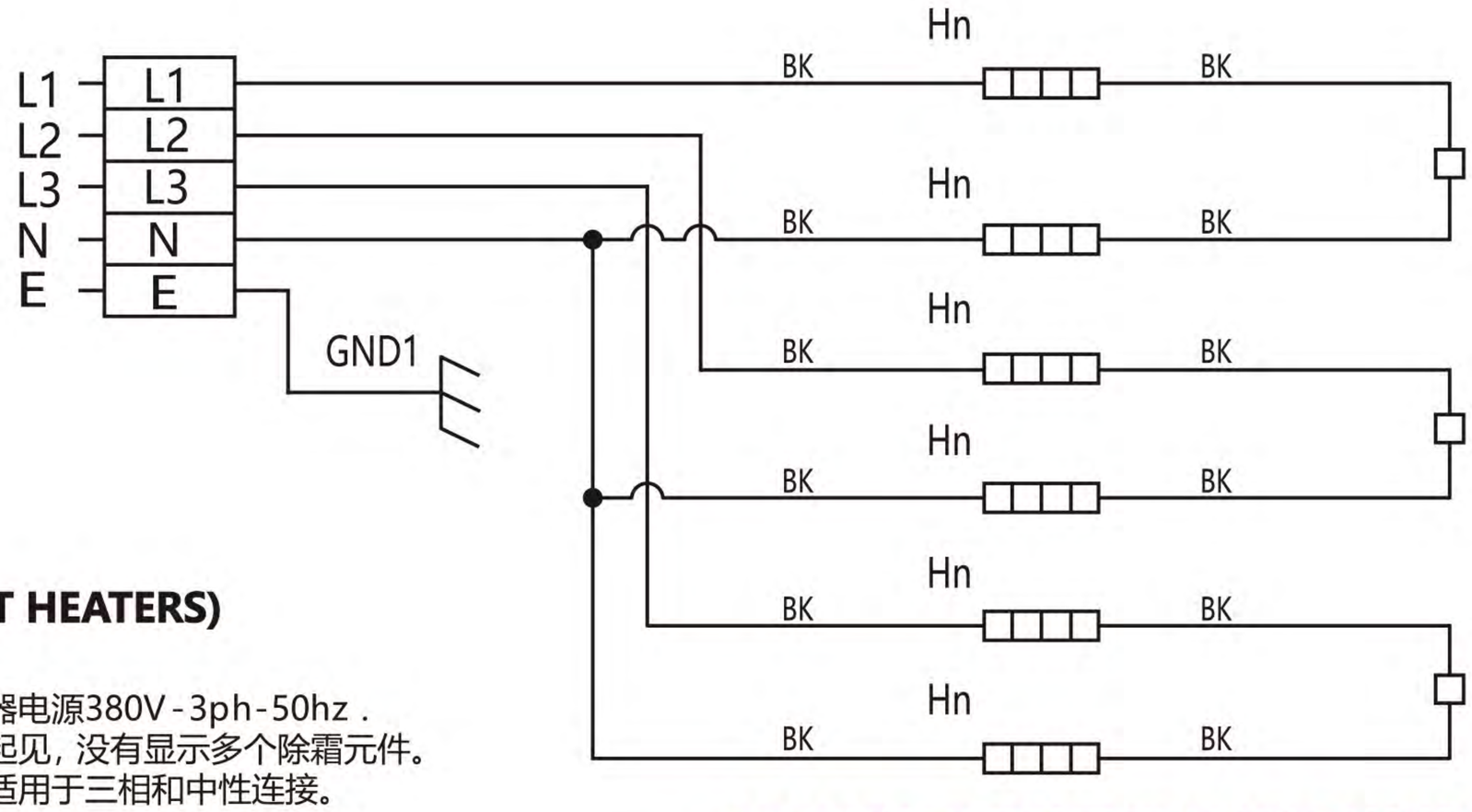
DT1	参考名义制冷量SC2工况 SC2工况，t_o=-8℃，DT1=8K 蒸发温度（t_o）							
K	-5	-6	-7	-8	-9	-10	-11	-12
6	0.716	0.711	0.700	0.689	0.679	0.670	0.661	0.654
7	0.873	0.865	0.857	0.843	0.829	0.816	0.805	0.794
8	1.034	1.022	1.011	1.000	0.982	0.966	0.951	0.936
9	1.197	1.181	1.167	1.152	1.137	1.118	1.098	1.081
10	1.361	1.343	1.324	1.306	1.288	1.270	1.248	1.226
11	1.527	1.505	1.482	1.46	1.439	1.418	1.398	1.372
12	1.694	1.668	1.642	1.615	1.591	1.566	1.542	1.519

DT1	参考名义制冷量SC3工况 SC3工况，t_o=-25℃，DT1=7K 蒸发温度（t_o）							
K	-20	-21	22	-23	-24	-25	-26	-27
6	0.836	0.840	0.840	0.840	0.839	0.839	0.838	0.837
7	1.006	1.005	1.004	1.003	1.000	1.000	0.997	0.994
8	1.157	1.155	1.153	1.151	1.148	1.145	1.142	1.138
9	1.322	1.306	1.301	1.297	1.293	1.289	1.284	1.279
10	1.494	1.474	1.454	1.441	1.437	1.430	1.424	1.418
11	1.667	1.643	1.619	1.597	1.577	1.57	1.563	1.554
12	1.840	1.812	1.784	1.759	1.734	1.710	1.698	1.688

DT1	参考名义制冷量SC4工况 SC4工况，t_o=-31℃，DT1=6K 蒸发温度（t_o）							
K	-28	-29	-30	-31	-32	-33	-34	-35
6	1.007	1.005	1.002	1.000	0.996	0.992	0.987	0.982
7	1.195	1.190	1.186	1.180	1.174	1.167	1.160	1.154
8	1.365	1.359	1.352	1.345	1.336	1.327	1.317	1.306
9	1.533	1.525	1.516	1.506	1.495	1.483	1.471	1.457
10	1.698	1.688	1.676	1.664	1.651	1.637	1.622	1.604

表一：不同工况之间的转换系数					
工况	SC1	SC2	SC3	SC4	SC5
直膨	1.481	1.000	0.769	0.638	0.603
泵供液	1.403	1.005	0.758	0.616	0.600

表二：不同制冷剂之间的转换系数						
制冷剂	R404A	R22	R407C	R410A	R507C	R23
直膨	1.000	0.927	0.980	0.995	0.961	1.017
泵供液	1.005	0.999	1.027	1.066	0.999	1.099

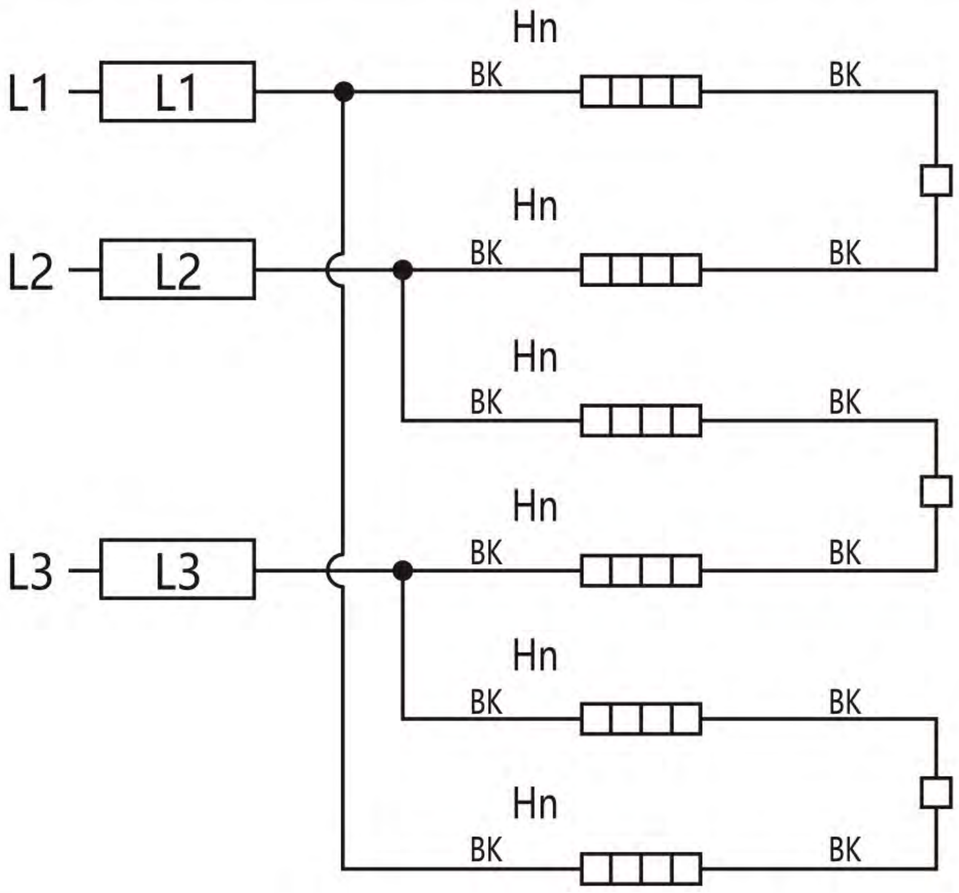


(DEFROST HEATERS)
NOTE:

1. 除霜加热器电源380V-3ph-50hz．
2. 为了清楚起见，没有显示多个除霜元件。
3. 警告：仅适用于三相和中性连接。

1. Defrost Heater Supply 380V-3Ph-50Hz.
2. For clarity multiple defrost elements are not shown.
3. Warning: only suitable for 3-phase and neutral connection.

450及以下系列采用Y形除霜接线
Y-type defrosting wiring for the motors≤450mm

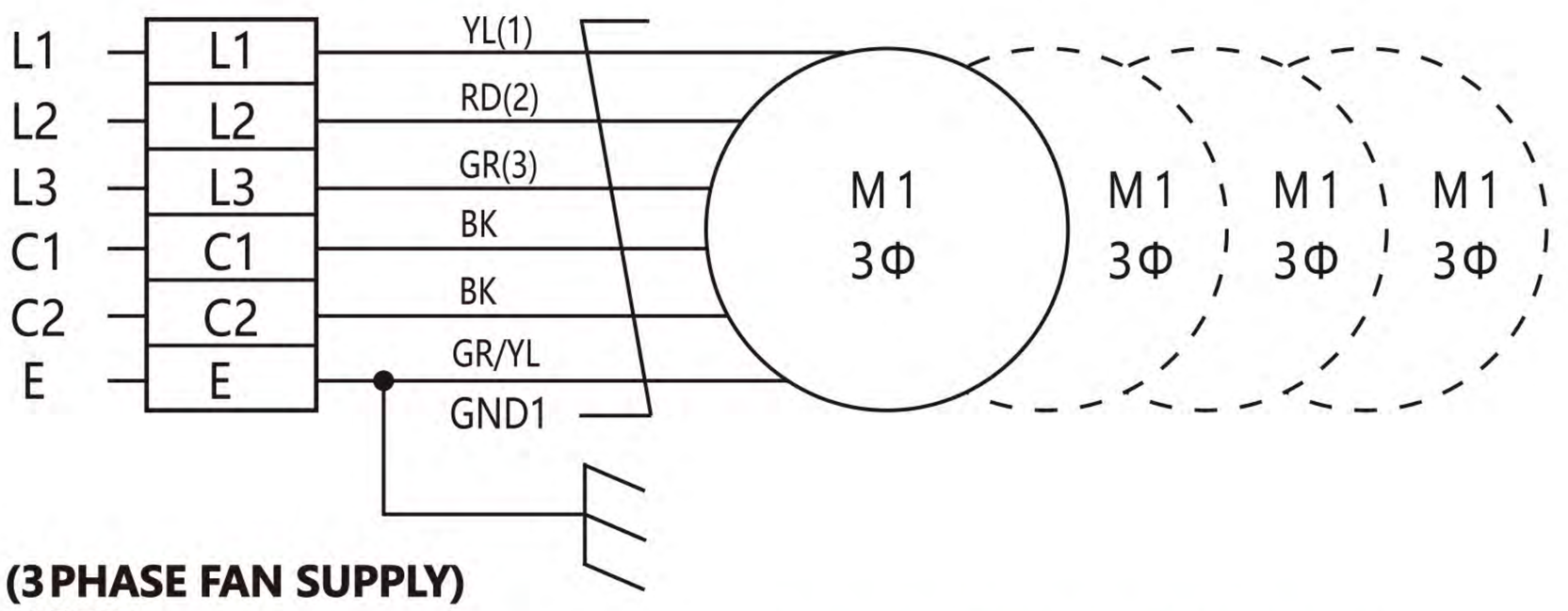


(DEFROST DELTA)
NOTE:

1. 除霜加热器电源380V-3ph-50hz．
2. 为了清楚起见，没有显示多个除霜元件。

1. Defrost Heater Supply 380V-3ph-50hz．
2. For clarity multiple defrost heaters not shown.

500及以上系列采用三角形除霜接线
Triangle-type defrosting wiring for the motor≥500mm



(3PHASE FAN SUPPLY)
NOTE:

风扇电源 380V-3Ph-50Hz.
Fan Supply 380V-3Ph-50Hz.

风机接线（需添加热保护）
Fan motor wiring(have to connect heater protector)

外 壳

镀锌板，外表面静电喷涂，颜色RAL9010

CASING

Galvanised sheet,powder coated RAL 9010

水 盘

镀锌钢板，带静电喷涂层，颜色RAL9010
水盘可拆，方便检查维护

DRIP TRAY

Galvanised sheet,powder coated RAl 9010
The drip tray can be removed for facilitate inspection and maintenance

风 机

低噪音，易于维护风机电机，防护等级IP54，绝缘等级F级，依据DIN 40050，标准电机可适用于-40°C到+45°C.也可根据客户需求提供用于其它温度的电机。标准电机为双转速电机，参数表里标出的功率和射程都是高速运转时数据（三角形接法）。标准风机为水平出风，吸风式，根据客户需求也可标出其他形式。

电机内置热保护作为电机防护装置。我们保留使用不同制造商生产的风机的权利，因此电机技术参数会有所不同。功率和电流会随温度和风压的变化而变化。请察看相关风机/电机标牌的相应数据。

FANS

Low noise, maintenanc free fanmotors, with protection class f and ip 54, compliant to din 40050. Standard motors are suitable for temperatures from-40°cto + 45°c,however motors with other temperature requirements are available on request. Standard motors are 2 speed and capacities and air flow shown in tables are at high speed (delta wired), standard air discharge is horizontal, draw through, yet other arrangements are possible.

The integral thermal contact (termistors) must be used as motor protection. We reserve the right to use different fan manufacturers and technical motor data may vary. Power consumption may also vary at different operating temperatures and due lo external pressure drop. For corresponding electrical data please refer to fan / motor labels on units.

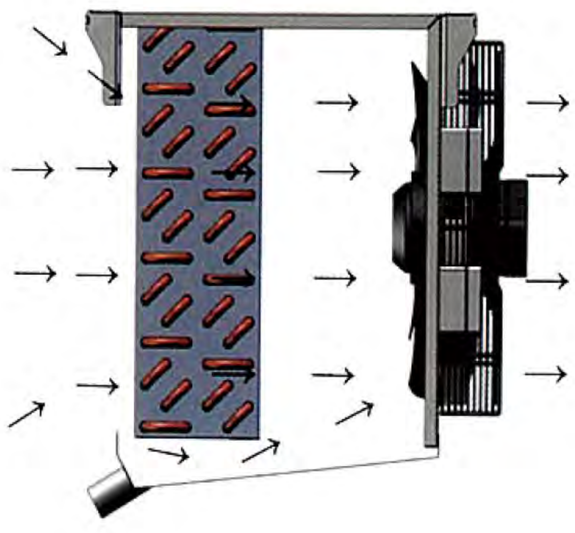
声压级

噪音测试标准依据EN13487

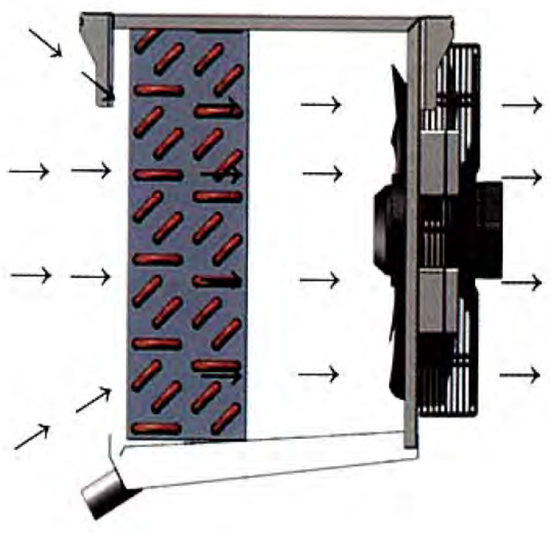
SOUND PRESSURE LEVEL

Noise pressure levels shown in tables are calculated in accordance with EN13487.

翅片组底部装有挡风内接水盘，杜绝风从接水盘内通过，使更多的风穿过翅片组，获得更大的换热量。
We have windshield at the bottom of the fan coils, it can prevent the air through the water tray,then more wind will through out the fan coils to improve the heat exchange efficiency.



无挡风板 w/o windshield



有挡风板 with windshield

制冷量

样本标出制冷量符合ENV328标准，DT1 是空气进口温度和蒸发温度之差。
工况为0/-8°C时标出制冷量基于80%空气相对湿度。
工况为-18/-25°C时标出制冷量基于95%空气相对湿度。
如果是其他工况请使用我们的修正系数表或者与我们公司或代理商联系。

COOLING CAPACITY

Cooling capacity on this catalogue is satisfy with the standard ENV328. DT1 means the temp. Difference between air in temperature and evaporation temperature.
Under 0/8°C working condition, the capacity is calculated on 80% RH.
Under -18/25°C working condition,the capacity is calculated on 95%RH.
Under other conditions , please refer our correction factor or contact us.

包装

所提供产品的包装方式就是现场可直接进行安装的状态。
水盘单独包装，发货时放在产品顶部或旁边。

PACKING

Units are supplied packed in installation position.Drip tray is packed separately and delivered on top or side of the unit.

备注

产品出厂提供安装吊耳适合于吊顶安装。
如果是低温条件下运行我们推荐风扇带电加热管环（库温低于-10°C）。
如果运行温度低于-40°C使用时，请与我们直接联系，因为在此工况下需要特殊材料和风机。
所有的电器元件都符合VDE标准。根据需求可提供多种管厚度、翅片厚度和材质。

REMARKS

Units are supplied with support brackets suitable for ceiling mounting.
For units operating at low temperatures fan peripheral heaters are recommended.
For units operating below-40°C please contact our offi ce.
Special materials and fons may be required for such operating conditions. All electrical components are in accordance to VDE conditions.
Alternative tube and fin thickness and materials are available on request.

备件和特殊结构

- 保温水盘-墙上安装支架
- 用于地面安装支腿-增加风机射程（安装导风罩）
- 不锈钢外壳
- 热气融霜用单向阀
- 热气除霜盘管连接
- 用于热气的止回阀
- 根据需求可提供60Hz风机
- 带喷涂翅片
- 可提供风扇加热环
- 风道接管
- 额外静压强力风机
- 部分电机可用230V，取决于直径
- 增加射程系统（ESS）

ACCESSORIES AND SPECIAL EXECUTIONS

- Insulated tray
- Wall support
- Feet for floor mounting
- Increased air throw (streamer equipped unit)
- Air throw unit
- Casing made of stainless steel
- Non return valve
- Hot gas interconnecting tubing
- Check valve for hot gas
- 60 hz fans available on request
- Coated fi ns
- Fan peripheral heaters
- Connection for air distribution sock
- Reinforced fans with external static pressure
- Limited 230 v fans depending diameter
- Cabero efficiency stream system (ess)

MAJORROLE

MJD35系列商用型封闭式双出风冷风机

盘管
铜管材质：Φ9.52(Φ3/8") 内螺纹管
翅片材质：光铝箔，防腐铝箔（亲水铝箔）
盘管片型：31.75*27.5 正弦波纹片
翅片间距：C04=4.5mm片距，C07=7mm片距

外壳
铝镁合金，外表面静电喷涂，颜色RAL9010

水盘
铝镁合金，带静电喷涂层，颜色RAL9010
可选择保温水盘、水盘可拆，方便检查维护

备注
如需要静音型的风机，需要咨询厂家核算冷量

MJD35 Commercial Double Side Blow Evaporator

COIL
Copper tube material: Φ9.52(Φ3/8") Internal thread tube design
fin material: Light aluminum foil, Anti-corrosion aluminum foil (hydrophilic aluminum foil)
Disk segment: 31.75x27.5, Sinusoidal corrugated plate
Fin spacing: C04=4.5mm, C07=7mm

CASING
Al-mg alloy, powder coated RAL 9010

DRIP TRAY
Al-mg alloy, powder coated RAl 9010
The drip tray can be removed for facilitate inspection and maintenance

If you need a quiet fan, please contact our sales manager

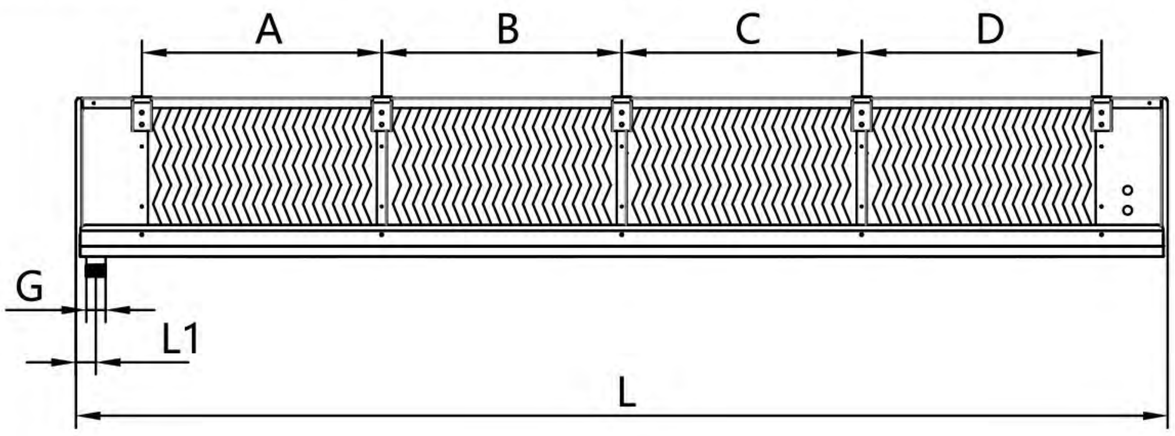
MJD35系列
MJD35Fseries

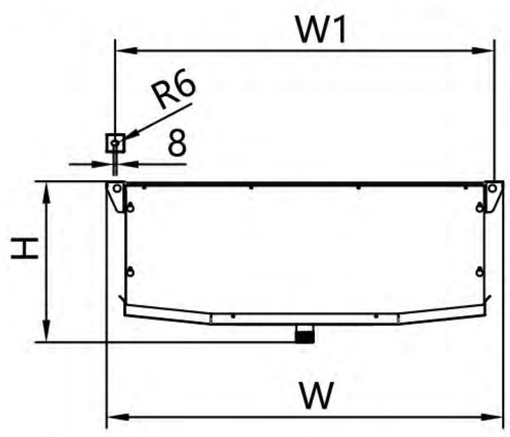
Φ350mm-4P									R404A
C04=4.5mm翅片间距 Fin spacing									
型号 model		MJD351C04R3-E	MJD351C04R4-E	MJD352C04R3-E	MJD352C04R4-E	MJD353C04R3-E	MJD353C04R4-E	MJD354C04R3-E	MJD354C04R4-E
制冷量(kW) Cooling capacity	SC1(△t=10K)	4.80	6.09	9.90	12.26	15.20	18.30	20.10	24.60
	SC2(△t=8K)	3.20	4.06	6.60	8.17	10.13	12.20	13.40	16.40
	SC3(△t=7K)	2.33	2.96	4.80	5.95	7.37	8.88	9.76	11.94
换热面积(㎡)heat exchange area		12.40	16.50	24.80	33.00	37.20	49.60	50.40	67.80
管容(dm³) tube volume		1.82	2.43	3.64	4.86	5.47	7.30	7.40	9.70
风量(m³/h) air flow rate		2530	2460	5060	4920	7590	7382	10120	9840
电机总功率(kW)total fan power		0.16/0.2*	0.16/0.2*	0.32/0.4*	0.32/0.4*	0.48/0.6*	0.48/0.6*	0.64/0.8*	0.64/0.8*
电机总电流(A)total fan current		0.35/0.46*	0.35/0.46*	0.7/0.92*	0.7/0.92*	1.05/1.38*	1.05/1.38*	1.4/1.84*	1.4/1.84*
射程(m)air flow		5*2	5*2	6*2	6*2	7*2	7*2	7*2	7*2
化霜总功率(kW)defrost power		1.8	1.8	3.0	3.0	5.4	5.4	9.0	9.0
接口管径(进/出Φmm) pipe dia		12/22	12/22	12/22	12/28	12/28	12/28	16/28	16/35
噪音(dBA)(3米)noise(dBA)(3m)		53	54	54	55	55	56	57	58
重量(kg) weight		26	30	47	52	64	68	89	96

Φ350mm-7P									R404A
C07=7mm翅片间距 Fin spacing									
型号 model		MJD351C07R3-E	MJD351C07R4-E	MJD352C07R3-E	MJD352C07R4-E	MJD353C07R3-E	MJD353C07R4-E	MJD354C07R3-E	MJD354C07R4-E
制冷量(kW) Cooling capacity	SC1(△t=10K)	3.63	4.80	7.71	9.65	11.76	14.70	15.45	19.35
	SC2(△t=8K)	2.42	3.20	5.14	6.43	7.84	9.80	10.30	12.90
	SC3(△t=7K)	1.76	2.33	3.74	4.68	5.71	7.13	7.50	9.39
换热面积(㎡)heat exchange area		8.30	11.00	16.60	22.00	24.80	33.00	34.00	44.80
管容(dm³) tube volume		1.82	2.43	3.64	4.86	5.47	7.30	7.40	9.70
风量(m³/h) air flow rate		2580	2520	5160	4050	7740	7560	10320	9090
电机总功率(kW)total fan power		0.16/0.2*	0.16/0.2*	0.32/0.4*	0.32/0.4*	0.48/0.6*	0.48/0.6*	0.64/0.8*	0.64/0.8*
电机总电流(A)total fan current		0.35/0.46*	0.35/0.46*	0.7/0.92*	0.7/0.92*	1.05/1.38*	1.05/1.38*	1.4/1.84*	1.4/1.84*
射程(m)air flow		5*2	5*2	6*2	6*2	7*2	7*2	7*2	7*2
化霜总功率(kW)defrost power		1.8	1.8	3.0	3.0	5.4	5.4	9.0	9.0
接口管径(进/出Φmm) pipe dia		12/22	12/22	12/22	12/28	12/28	12/28	16/28	16/35
噪音(dBA)(3米)noise(dBA)(3m)		53	54	54	55	55	56	57	58
重量(kg) weight		24	28	45	50	61	65	84	91

整机外形尺寸表 overall size

No.	型号 Model	L(mm)	L1(mm)	W(mm)	H(mm)	A(mm)	B(mm)	C(mm)	D(mm)	W1(mm)	G(mm)
1	MJD351C	960	50	965	320	630				935	G 1.5"
2	MJD352C	1530	50	965	320	600	600			935	G 1.5"
3	MJD353C	2130	50	965	320	600	600	600		935	G 1.5"
4	MJD354C	2730	50	965	320	600	600	600	600	935	G 1.5"





MJD40系列商用型双出风冷风机

盘管
铜管材质：Φ9.52(Φ3/8") 内螺纹管
翅片材质：光铝箔，防腐铝箔（亲水铝箔）
盘管片型：31.75*27.5 正弦波纹片
翅片间距：C04=4.5mm片距，C07=7mm片距

外壳
铝镁合金，外表面静电喷涂，颜色RAL9010

水盘
铝镁合金，带静电喷涂层，颜色RAL9010
可选择保温水盘、水盘可拆，方便检查维护

备注
如需要静音型的风机，需要咨询厂家核算冷量

MJD40 Commercial Double Side Blow Evaporator

COIL
Copper tube material: Φ9.52(Φ3/8") Internal thread tube design
fin material: Light aluminum foil, Anti-corrosion aluminum foil (hydrophilic aluminum foil)
Disk segment: 31.75x27.5, Sinusoidal corrugated plate
Fin spacing: C04=4.5mm, C07=7mm

CASING
Al-mg alloy, powder coated RAL 9010

DRIP TRAY
Al-mg alloy, powder coated RAl 9010
The drip tray can be removed for facilitate inspection and maintenance

REMARKS
If you need a quiet fan, please contact our sales manager.

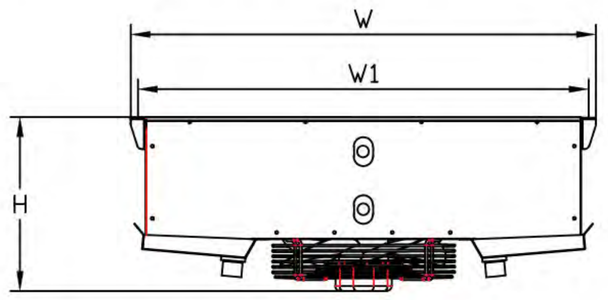
MJD40系列
MJD40Fseries

Φ400mm-4P								R404A
C04=4.5mm翅片间距 Fin spacing								
型号 model		MJD401C04R4-E	MJD401C04R6-E	MJD402C04R4-E	MJD402C04R6-E	MJD403C04R4-E	MJD403C04R6-E	MJD404C04R6-E
制冷量(KW) Cooling capacity	SC1(△t=10K)	7.44	9.28	15.08	19.07	21.90	28.91	38.14
	SC2(△t=8K)	4.99	6.23	10.12	12.80	14.70	19.40	25.60
	SC3(△t=7K)	3.74	4.67	7.59	9.60	11.03	14.55	19.20
换热面积(㎡)heat exchange area		18.50	27.70	36.80	55.60	60.70	90.70	121.80
管容(dm³) tube volume		3.00	4.75	6.13	9.20	9.20	12.80	19.00
风量(m³/h) air flow rate		3293	3030	6587	6070	9890	9100	12140
电机总功率(kW)total fan power		0.205/0.23*	0.205/0.23*	0.41/0.46*	0.41/0.46*	0.615/0.69*	0.615/0.69*	0.82/0.92*
电机总电流(A)total fan current		0.5/0.52*	0.5/0.52*	1.0/1.04*	1.0/1.04*	1.5/1.506*	1.5/1.506*	2.0/2.08*
射程(m)air flow		6*2	5*2	7*2	6*2	8*2	7*2	8*2
化霜总功率(kW) defrost power		2.7	3.6	4.5	6.0	8.1	10.8	18.0
接口管径(进/出Φmm) pipe dia		12/22	12/22	12/22	12/28	16/28	16/35	22/35
噪音(dBA)(3米)noise(dBA)(3m)		56	57	59	60	60	61	63
重量(kg) weight		33	35	55	60	77	85	102

Φ400mm-7P								R404A
C07=7mm翅片间距 Fin spacing								
型号 model		MJD401C07R4-E	MJD401C07R6-E	MJD402C07R4-E	MJD402C07R6-E	MJD403C07R4-E	MJD403C07R6-E	MJD404C07R6-E
制冷量(KW) Cooling capacity	SC1(△t=10K)	5.68	7.25	12.02	14.95	16.80	23.07	29.90
	SC2(△t=8K)	3.99	5.09	8.44	10.50	11.80	16.20	21.00
	SC3(△t=7K)	2.79	3.56	5.90	7.34	8.25	11.32	14.68
换热面积(㎡)heat exchange area		12.20	18.70	24.60	37.10	36.80	56.00	76.00
管容(dm³) tube volume		3.00	4.75	6.13	9.20	9.20	12.80	19.00
风量(m³/h) air flow rate		3420	3206	6840	6406	10270	1609	12810
电机总功率(kW)total fan power		0.205/0.23*	0.205/0.23*	0.41/0.46*	0.41/0.46*	0.615/0.69*	0.615/0.69*	0.82/0.92*
电机总电流(A)total fan current		0.5/0.52*	0.5/0.52*	1.0/1.04*	1.0/1.04*	1.5/1.506*	1.5/1.506*	2.0/2.08*
射程(m)air flow		7*2	6*2	8*2	6*2	8*2	7*2	8*2
化霜总功率(kW) defrost power		2.7	3.6	4.5	6.0	8.1	10.8	18.0
接口管径(进/出Φmm) pipe dia		12/22	12/22	12/22	12/28	16/28	16/35	22/35
噪音(dBA)(3米)noise(dBA)(3m)		56	57	59	60	60	61	63
重量(kg) weight		32	33	51	56	72	80	98

整机外形尺寸表 overall size

No.	型号 Model	L(mm)	L1(mm)	W(mm)	H(mm)	A(mm)	B(mm)	C(mm)	D(mm)	W1(mm)	G(mm)
1	MJD401C	960	50	1110	460	630				1061	G 1.5"
2	MJD402C	1530	50	1110	460	600	600			1061	G 1.5"
3	MJD403C	2130	50	1110	460	600	600	600		1061	G 1.5"
4	MJD404C	2730	50	1110	460	600	600	600	600	1061	G 1.5"



MAJORROLE

MJD45系列工业高效型双出风冷风机

盘 管
铜管材质：Φ12.7(Φ1/2") 内螺纹管
翅片材质：光铝箔，防腐铝箔（亲水铝箔）
盘管片型：38*32.9 正弦波纹片
翅片间距：C04=4.5mm片距，C07=7mm片距

外 壳
镀锌钢板，外表面静电喷涂，颜色RAL9010

水 盘
镀锌钢板，带静电喷涂层，颜色RAL9010
可选择保温水盘、水盘可拆，方便检查维护

备 注
如需要6极电机风机，需要咨询厂家核算冷量

MJD45 Industrial High Efficiency Double Side Blow Evaporator

COIL
Copper tube material: Φ12.7(Φ1/2") Internal thread tube design
fin material: Light aluminum foil, Anti-corrosion aluminum foil (hydrophilic aluminum foil)
Disk segment: 38*32.9, Sinusoidal corrugated plate
Fin spacing: C04=4.5mm, C07=7mm

CASING
Galvanised sheet , powder coated RAL 9010

DRIP TRAY
Galvanised sheet , powder coated RAl 9010
The drip tray can be removed for facilitate inspection and maintenance

REMARKS
if you need 6 poles fan motor , please contact our sales manager.

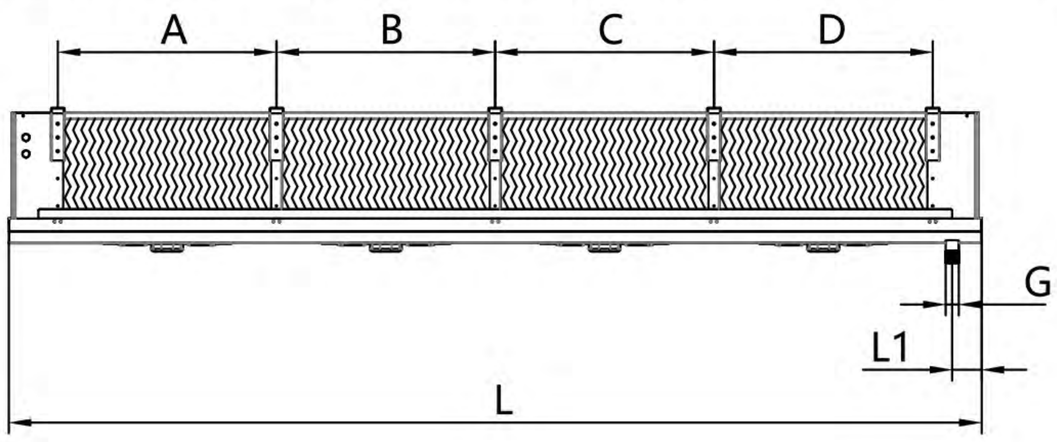
MJD45系列
MJD45Fseries

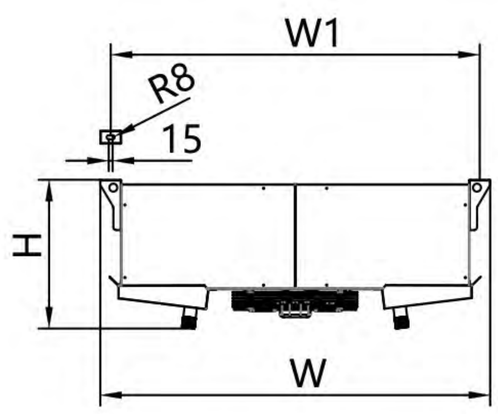
Φ450mm-4P									R404A
C04=4.5mm翅片间距 Fin spacing									
型号 model		MJD451C04R4-E	MJD451C04R6-E	MJD452C04R4-E	MJD452C04R6-E	MJD453C04R4-E	MJD453C04R6-E	MJD454C04R4-E	MJD454C04R6-E
制冷量(kW) Cooling capacity	SC1(△t=10K)	11.72	14.40	23.27	28.53	34.50	42.56	46.79	58.20
	SC2(△t=8K)	7.86	9.78	15.59	19.36	23.00	27.98	31.63	39.70
	SC3(△t=7K)	5.96	7.19	11.88	14.29	17.65	21.11	23.35	29.56
换热面积(㎡)heat exchange area		34.50	51.70	67.70	101.60	101.40	153.30	135.70	205.10
管容(dm³) tube volume		7.48	11.20	14.60	22.10	19.94	33.30	26.60	44.40
风量(m³/h) air flow rate		4630	4240	9220	8430	13840	12680	18460	16910
电机总功率(kW) total fan power		0.54/0.5*	0.54/0.5*	1.08/1.0*	1.08/1.0*	1.62/1.5*	1.62/1.5*	2.16/2.0*	2.16/2.0*
电机总电流(A)total fan current		0.8/1.11*	0.8/1.11*	1.7/2.22*	1.7/2.22*	2.5/3.33*	2.5/3.33*	3.4/4.44*	3.4/4.44*
射程(m) air flow		9*2	7*2	11*2	8*2	13*2	10*2	17*2	14*2
化霜总功率(kW)defrost power		5.4	7.2	9.0	12.0	13.5	18.0	16.8	22.4
接口管径(进/出Φmm) pipe dia		12/22	16/28	16/35	22/42	22/42	28/54	28/54	28/54
噪音(dBA)(3米)noise(dBA)(3m)		62	63	65	66	67	67	68	69
重量(kg) weight		56	59	56	59	130	148	165	195

Φ450mm-7P									R404A
C07=7mm翅片间距 Fin spacing									
型号 model		MJD451C07R4-E	MJD451C07R6-E	MJD452C07R4-E	MJD452C07R6-E	MJD453C07R4-E	MJD453C07R6-E	MJD454C07R4-E	MJD454C07R6-E
制冷量(kW) Cooling capacity	SC1(△t=10K)	9.43	12.17	18.68	24.00	27.56	35.80	37.88	49.40
	SC2(△t=8K)	6.28	7.90	12.38	15.57	18.00	22.32	25.50	33.50
	SC3(△t=7K)	4.62	5.90	9.17	11.69	13.50	17.16	19.00	24.40
	SC4(△t=6K)	3.80	4.98	7.57	9.78	11.10	14.33	15.66	20.35
	SC5(△t=6K)	3.75	4.91	7.02	9.11	10.30	13.50	14.32	19.10
换热面积(㎡)heat exchange area		23.1	34.6	45.3	67.9	67.6	102.6	90.5	137.2
管容(dm³) tube volume		7.48	11.2	14.6	22.1	19.94	33.3	26.6	44.4
风量(m³/h) air flow rate		4830	4490	9610	8920	14460	13420	19280	17900
电机总功率(kW) total fan power		0.54/0.5*	0.54/0.5*	1.08/1.0*	1.08/1.0*	1.62/1.5*	1.62/1.5*	2.16/2.0*	2.16/2.0*
电机总电流(A)total fan current		0.8/1.11*	0.8/1.11*	1.7/2.22*	1.7/2.22*	2.5/3.33*	2.5/3.33*	3.4/4.44*	3.4/4.44*
射程(m) air flow		11*2	9*2	13*2	10*2	15*2	12*2	18*2	20*2
化霜总功率(kW)defrost power		5.4	7.2	9.0	12.0	13.5	18.0	16.8	22.4
接口管径(进/出Φmm) pipe dia		12/22	16/28	16/35	22/42	22/42	28/54	28/54	28/54
噪音(dBA)(3米)noise(dBA)(3m)		62	63	65	66	67	67	68	69
重量(kg) weight		53	55	90	101	120	138	153	184

整机外形尺寸表 overall size

No.	型号 Model	L(mm)	L1(mm)	W(mm)	H(mm)	A(mm)	B(mm)	C(mm)	D(mm)	W1(mm)	G(mm)
1	MJD451C	1190	110	1495	570	830				1412	G 1.5"
2	MJD452C	1960	110	1495	570	800	800			1412	G 1.5"
3	MJD453C	2760	110	1495	570	800	800	800		1412	G 1.5"
4	MJD454C	3560	110	1495	570	800	800	800	800	1412	G 1.5"





MJD50系列工业型双出风冷风机

盘管
铜管材质：Φ15.88(Φ5/8") 光管
翅片材质：光铝箔，防腐铝箔（亲水铝箔）
盘管片型：50*50，V型波纹片
翅片间距：C04=4.5mm片距，C07=7mm片距，C10=10mm片距

外壳
镀锌钢板，外表面静电喷涂，颜色RAL9010

水盘
镀锌钢板，带静电喷涂层，颜色RAL9010
可选择保温水盘、水盘可拆，方便检查维护

备注
如需要6极电机风机，需要咨询厂家核算冷量

MJD50 Industrial Type Double Side Blow Evaporator

COIL
Copper tube material: Φ15.88(Φ5/8") light pipe
fin material: Light aluminum foil, Anti-corrosion aluminum foil (hydrophilic aluminum foil)
Disk segment: 50*50, V corrugated segment
Fin spacing: C04=4.5mm , C07=7mm , C10=10mm

CASING
Galvanised sheet , powder coated RAL 9010

DRIP TRAY
Galvanised sheet , powder coated RAl 9010
The drip tray can be removed for facilitate inspection and maintenance

REMARKS
if you need 6 poles fan motor , please contact our sales manager.

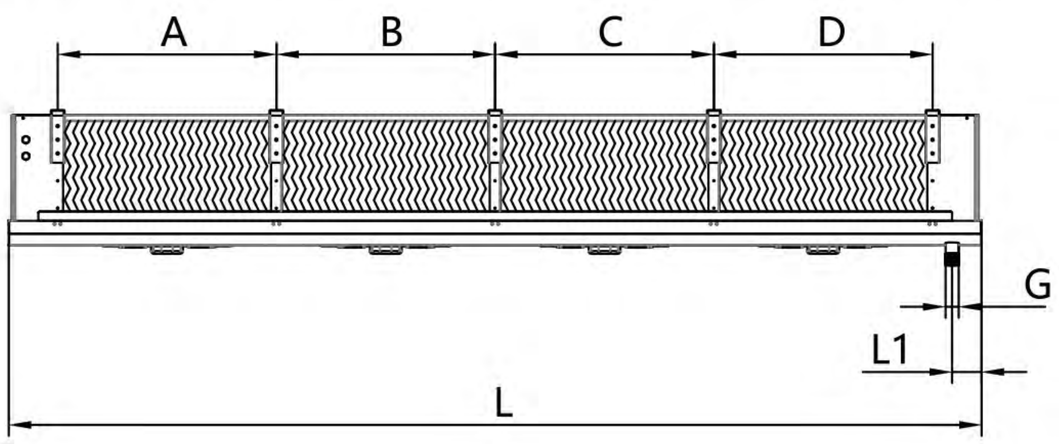
MJD50系列
MJD50Fseries

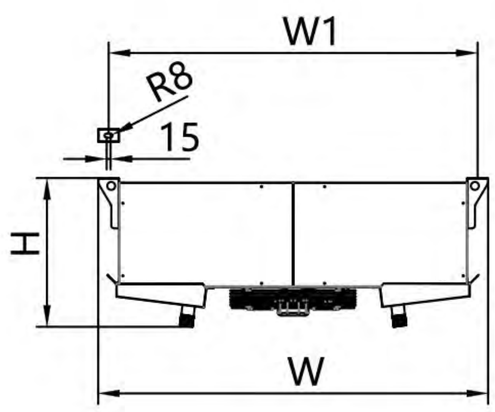
Φ500mm-4P								R404A
C04=4.5mm翅片间距 Fin spacing								
型号 model		MJD502C04R6-E	MJD502C04R8-E	MJD503C04R6-E	MJD503C04R8-E	MJD504C04R6-E	MJD504C04R8-E	
制冷量(kW) Cooling capacity	SC1(△t=10K)	37.70	41.96	56.63	63.23	75.55	84.50	
	SC2(△t=8K)	25.70	28.60	38.60	43.10	51.50	57.60	
	SC3(△t=7K)	20.43	22.74	30.69	34.26	40.94	45.79	
换热面积(㎡)heat exchange area		210.10	280.10	316.80	422.40	423.40	564.60	
管容(dm³) tube volume		32.88	44.50	50.10	66.70	66.50	89.10	
风量(m³/h) air flow rate		11000	10400	16500	15600	22000	20800	
电机总功率(kW) total fan power		1.68/1.3*	1.68/1.3*	2.52/1.98*	2.52/1.98*	3.36/2.6*	3.36/2.6*	
电机总电流(A) total fan current		2.9/2.74*	2.9/2.74*	4.4/4.2*	4.4/4.2*	5.8/5.5*	5.8/5.5*	
射程(m) air flow		2*16	2*15	2*17	2*16	2*18	2*17	
化霜总功率(kW)defrost power		12.0	18.0	19.2	28.8	24.0	36.0	
接口管径(进/出Φmm) pipe dia		22/35	22/42	22/42	22/42	2*22/2*42	2*22/2*42	
噪音(dBA)(5米)noise(dBA)(5m)		64	65	66	66	68	69	
重量(kg) weight		320	370	440	520	580	680	

Φ500mm-7P								R404A
C07=7mm翅片间距 Fin spacing								
型号 model		MJD502C07R6-E	MJD502C07R8-E	MJD503C07R6-E	MJD503C07R8-E	MJD504C07R6-E	MJD504C07R8-E	
制冷量(kW) Cooling capacity	SC1(△t=10K)	30.51	37.26	46.80	56.33	63.37	75.26	
	SC2(△t=8K)	20.80	25.40	31.90	38.40	43.20	51.30	
	SC3(△t=7K)	16.50	20.20	25.30	30.40	34.30	40.80	
	SC4(△t=6K)	13.71	16.74	21.02	25.31	28.47	33.81	
	SC5(△t=6K)	13.56	16.56	20.80	25.04	28.17	33.45	
换热面积(㎡)heat exchange area		135.1	180	203.6	271.5	272.1	362.9	
管容(dm³) tube volume		32.88	44.5	50.1	66.7	66.5	89.1	
风量(m³/h) air flow rate		11400	11100	17100	16650	22800	22200	
电机总功率(kW) total fan power		1.68/1.3*	1.68/1.3*	2.52/1.98*	2.52/1.98*	3.36/2.6*	3.36/2.6*	
电机总电流(A) total fan current		2.9/2.74*	2.9/2.74*	4.4/4.2*	4.4/4.2*	5.8/5.5*	5.8/5.5*	
射程(m) air flow		2*16	2*15	2*17	2*16	2*18	2*17	
化霜总功率(kW)defrost power		12.0	18.0	19.2	28.8	24.0	36.0	
接口管径(进/出Φmm) pipe dia		22/35	22/42	22/42	22/42	2*22/2*42	2*22/2*42	
噪音(dBA)(5米)noise(dBA)(5m)		64	65	66	66	68	69	
重量(kg) weight		312	360	420	496	558	635	

整机外形尺寸表 overall size

No.	型号 Model	L(mm)	L1(mm)	W(mm)	H(mm)	A(mm)	B(mm)	C(mm)	D(mm)	W1(mm)	G(mm)
1	MJD502C	2620	150	2010	530	1000	1000			1960	G 2"
2	MJD503C	3620	150	2010	530	1000	1000	1000		1960	G 2"
3	MJD504C	4620	150	2010	530	1000	1000	1000	1000	1960	G 2"





MAJORROLE

MJD50系列工业型双出风冷风机

盘 管
铜管材质：Φ15.88(Φ5/8") 光管
翅片材质：光铝箔，防腐铝箔（亲水铝箔）
盘管片型：50*50，V型波纹片
翅片间距：C04=4.5mm片距，C07=7mm片距，C10=10mm片距

外 壳
镀锌钢板，外表面静电喷涂，颜色RAL9010

水 盘
镀锌钢板，带静电喷涂层，颜色RAL9010
可选择保温水盘、水盘可拆，方便检查维护

备 注
如需要静音型的风机，需要咨询厂家核算冷量

MJD50 Industrial Type Double Side Blow evaporator

COIL
Copper tube material: Φ15.88(Φ5/8") light pipe
fin material: Light aluminum foil, Anti-corrosion aluminum foil (hydrophilic aluminum foil)
Disk segment: 50*50, V corrugated segment
Fin spacing: C04=4.5mm, C07=7mm, C10=10mm

CASING
Galvanised sheet , powder coated RAL 9010

DRIP TRAY
Galvanised sheet , powder coated RAl 9010
The drip tray can be removed for facilitate inspection and maintenance

REMARKS
if you need 6 poles fan motor , please contact our sales manager.

MJD50系列
MJD50Fseries

Φ500mm-10P							R404A
C10=10mm翅片间距 Fin spacing							
型号 model		MJD502C10R6-E	MJD502C10R8-E	MJD503C10R6-E	MJD503C10R8-E	MJD504C10R6-E	MJD504C10R8-E
制冷量(kW) Cooling capacity	SC1(△t=10K)	25.67	31.98	38.44	48.12	51.35	64.25
	SC2(△t=8K)	17.50	21.80	26.20	32.80	35.00	43.80
	SC3(△t=7K)	13.90	17.30	20.80	26.10	27.90	34.90
	SC4(△t=6K)	11.53	14.37	17.27	21.62	23.07	28.86
	SC5(△t=6K)	11.41	14.21	17.08	21.39	22.82	28.56
换热面积(㎡)heat exchange area		94.5	126	142.5	190	190.5	254
管容(dm³) tube volume		32.88	44.5	50.1	66.7	66.5	89.1
风量(m³/h) air flow rate		11700	11500	17500	17300	23400	23000
电机总功率(kW) total fan power		1.68/1.3*	1.68/1.3*	2.52/1.98*	2.52/1.98*	3.36/2.6*	3.36/2.6*
电机总电流(A) total fan current		2.9/2.74*	2.9/2.74*	4.4/4.2*	4.4/4.2*	5.8/5.5*	5.8/5.5*
射程(m) air flow		2*16	2*15	2*17	2*16	2*18	2*17
化霜总功率(kW)defrost power		12.0	18.0	19.2	28.8	24.0	36.0
接口管径(进/出Φmm) pipe dia		22/35	22/42	22/42	22/42	2*22/2*42	2*22/2*42
噪音(dBA)(5米)noise(dBA)(5m)		64	65	66	66	68	69
重量(kg) weight		300	345	402	480	536	610

整机外形尺寸表 overall size

No.	型号 Model	L(mm)	L1(mm)	W(mm)	H(mm)	A(mm)	B(mm)	C(mm)	D(mm)	W1(mm)	G(mm)
1	MJD502C	2620	150	2010	530	1000	1000			1960	G 2"
2	MJD503C	3620	150	2010	530	1000	1000	1000		1960	G 2"
3	MJD504C	4620	150	2010	530	1000	1000	1000	1000	1960	G 2"