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MELUCK®

科技之美 • 乐享未来

MELUCK®

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安徽美乐柯制冷空调设备有限公司

Anhui Meluck Refrigeration Air-condition Equipment Co.,Ltd.

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上海美乐柯冷链设备有限公司

Shanghai Meluck Refrigeration Equipment Co.,Ltd.

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美乐柯风冷换热器画册

Meluck Air Cooled Heat Exchangers Catalogue



我对样本中的各类技术参数保留自行更改而不另行通知的权利。
Our company reserves the right to modify the specification in t



2026年03月



美乐柯集团
MELUCK Group

美乐柯集团简介

MELUCK Group Company Profile

安徽美乐柯制冷空调设备有限公司（以下简称“美乐柯”）成立于2011年，一直专注于制冷空调产品的研发与生产，从事制冷领域30余年（原总部公司成立于上世纪90年代、2003年成立上海公司，2011年整体产业转移到安徽宣城）。美乐柯专业生产商用和工业用制冷成套设备，主导产品有冷库用冷凝机组、工业用低温冷水机组、冷风机等。其中冷库用冷凝机组涵盖涡旋、半封活塞、螺杆等多种类型，可应用于大、中、小型各类冷库。半封闭活塞并联冷凝机组、整体式库用冷冻机已获得“安徽省新产品”认定。根据中国制冷空调工业协会和产业在线提供数据，2022—2023年度，美乐柯冷凝机组产品销量分别为1.6万台和1.8万台，市场占有率分别为11.1%和12.0%，在中国同行业中排名第二。美乐柯荣获省专精特新冠军企业、省级企业技术中心、省工业设计中心、省消费品工业三品示范企业、省商标品牌示范企业、工业互联网示范企业、通过了质量、环境、职业健康、知识产权贯标管理体系认证。

我司经营战略旨在应对瞬息万变的市场环境，积极把握行业发展趋势，持续优化业务布局，强化核心竞争力，以期在未来实现稳健且可持续的增长；同时聚焦具体细分市场，深度挖掘目标客户群体的需求特点，打造高度契合其需求的产品与服务。公司将通过技术创新、优质服务、独特设计、高效运营等手段，塑造鲜明的品牌形象与价值主张，在精密环境控制机组、实施农业和产地预冷技术与装备等方向拓展新业务，以实现市场占有率的稳步提升和企业的持续发展。

美乐柯具备雄厚的制冷技术储备、先进的生产流水线和检测设备，按产品制造要求，建立了全套的生产制度流程与完善的质量保障体系。同时公司拥有一系列完整的晋升通道，培训体系，薪酬制度，保障了企业人才梯队建设与员工个人成长。公司注重科技创新投入，目前自行研制的很多关键部件已申请国家专利，截止2025年12月，共获得发明专利7项、外观专利5项、实用新型专利48项；参与起草3项国家标准，2项协会标准，4项团队标准，5项企业标准，均已发布实施。

企业使命：致力于将美乐柯打造成百年企业。

企业愿景：成为行业内最优秀的冷冻冷藏集成系统服务商。

企业文化：以客户为中心，质量为本，简单高效，共创、共担、共享。

Anhui MELUCK Refrigeration Air-Conditioning Equipment Co., Ltd. (hereinafter referred to as "MELUCK") was established in 2011. It has been focusing on the research and development and production of refrigeration and air-conditioning products and has been engaged in the refrigeration field for more than 30 years (the original headquarters company was established in the 1990s, the Shanghai company was established in 2003, and the entire industry was transferred to Xuancheng, Anhui in 2011). MELUCK specializes in the production of commercial and industrial refrigeration equipment. Its leading products include condensing units for cold storage, industrial low-temperature chillers, and air coolers. Among them, the condensing units for cold storage cover a variety of types such as scroll, semi-sealed piston, and screw, which can be used in large, medium and small cold storages. Semi-sealed piston parallel condensing units and integrated warehouse freezers have been recognized as "Anhui New Products". According to data provided by the China Refrigeration and Air-conditioning Industry Association and Industry Online, in 2022-2023, the sales volume of MELUCK condensing unit products was 16,000 and 18,000 units respectively, with a market share of 11.1% and 12.0% respectively, ranking second in the same industry in China. MELUCK has won the title of provincial champion enterprise of specialization, specialization and innovation, provincial enterprise technology center, provincial industrial design center, provincial consumer goods industry three-product demonstration enterprise, provincial trademark brand demonstration enterprise, industrial Internet demonstration enterprise, and has passed the quality, environment, occupational health, and intellectual property management system certification.

Our company's business strategy aims to respond to the ever-changing market environment, actively grasp the development trend of the industry, continuously optimize the business layout, and strengthen core competitiveness, in order to achieve steady and sustainable growth in the future; at the same time, focus on specific market segments, deeply explore the needs and characteristics of target customer groups, and create products and services that are highly in line with their needs. The company will create a distinctive brand image and value proposition through technological innovation, high-quality services, unique designs, and efficient operations, and expand new businesses in the fields of precision environmental control units, implementation of agricultural and production pre-cooling technology and equipment, so as to achieve a steady increase in market share and sustainable development of the company.

MELUCK has strong refrigeration technology reserves, advanced production lines and testing equipment, and has established a full set of production system processes and a complete quality assurance system according to product manufacturing requirements. At the same time, the company has a complete series of promotion channels, training systems, and salary systems to ensure the construction of the enterprise's talent echelon and the personal growth of employees. The company focuses on investment in scientific and technological innovation. At present, many key components developed by itself have applied for national patents. As of December 2025, a total of 7 invention patents, 5 design patents, and 48 utility model patents have been obtained; the company participated in drafting 3 national standards, 2 association standards, 4 team standards, and 5 enterprise standards, all of which have been published and implemented.

Corporate Mission: Committed to making MELUCK a century-old enterprise.

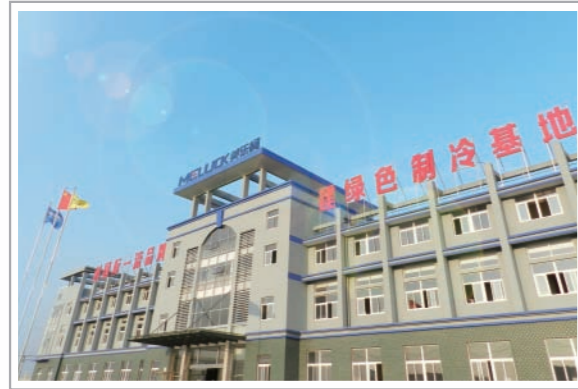
Corporate Vision: To be the best refrigeration and refrigeration integrated system service provider in the industry.

Corporate Culture: Customer-centric, quality-oriented, simple and efficient, co-creation, co-sharing, and sharing.



美乐柯集团

MELUCK GROUP



安徽工厂——总部 Anhui Meluck Factory——Headquarter

美乐柯安徽工厂—安徽美乐柯空调设备有限公司总投资1.65亿元，占地200亩，是目前国内最大的制冷设备生产制造基地之一，专业制造和研发风冷凝器、蒸发器、冷凝机组、工业冷水机等制冷设备，公司2012年底已正式投入生产。

Anhui Meluck Refrigeration Air-condition Equipment Co.,Ltd. invested about U.S dollar Twenty Six Million, with 130000m² area; is one of the biggest refrigeration equipment manufacturing bases in China, specialized in manufacturing and researching for the refrigeration equipments like air cooled condenser, evaporator, condensing unit, industry chiller etc. the factory has started production in 2012.



上海美乐柯 Shanghai Meluck

上海美乐柯营销与服务中心，公司内有40名专业的销售和技术服务人员，为全球客户提供专业的技术支持和服务，公司具有GC2设计资质与安装资质，机电安装资质等众多权威资质，能为客户提供整体方案设计

与选型服务。Shanghai Meluck Marketing and Service Center consist of 40 skilled sales and technicians, providing professional technical supports and services to global customers. The company has GC2 design qualification and installation qualification, electromechanical installation qualification and many other authoritative qualifications. Can provide customers with overall program design and model selection services.

企业资质

Enterprise Qualification

不断创新, 确保客户对我们的产品满意, 被我们的服务感动, 争创名优!

Innovation, for the customer's satisfaction, With our excellent service and product



安徽营业执照
Anhui Business License



上海营业执照
Shanghai Business License



特种设备制造许可证
Certificate for Special High Pressure Vessel Manufacturing



压力管道设计证书
Pressure piping design certificate



压力管道安装证书
Pressure piping installation certificate



环境管理体系认证证书
Environmental management system certification



质量管理体系认证证书
Quality management system certification



安徽省商标品牌示范企业
Anhui Province Trademark Brand Demonstration Enterprise



高新技术企业证书
High-tech Enterprise Certificate



省认定企业技术中心证书
Provincial Certification of Enterprise Technology Center

一流的生产线

Advanced Machines Guarantee High Quality

精益化的生产节拍，标准化的工艺流程，通过优质的产品体现“美乐柯”的品牌价值

Advance equipment created excellent production ,and high quality of Meluck products.



先进的生产设备

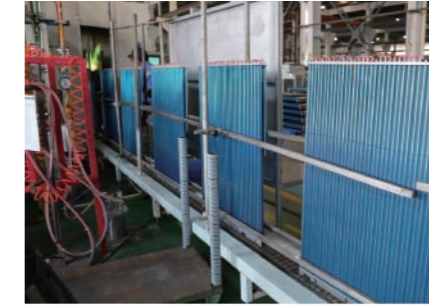
Advanced Machines Guarantee High Quality

先进的设备和精湛的生产工艺，铸就了美乐柯产品的优秀品质！

Advance equipment created excellent production ,and high quality of Meluck products.



静电粉末喷涂生产线
Static electricity powder painting production line



自动焊接设备
Automatic welding equipment



数控激光切割机
CNC laser cutting machine



卧式胀管机
Horizontal Type Pipe Expansion Machine



自动折弯机器人
Automatic bending robot



高速翅片冲压线
High-speed fin press line



数控5轴相贯线切割机器人
CNC 5-axis intersecting wire cutting robot

企业历程

Enterprise History

MELUCK®

科技之美 • 乐享未来

1992-1998

- 公司成立，生产开启式压缩机；
- 风冷凝器和冷风机生产启动；
- 通过“压缩冷凝机组”、“风冷凝器”和“冷风机”企业标准；

生产壳管式冷凝器
行业内首家通过ISO9000认证
成立上海美乐柯制冷设备有限公司
荣获德国比泽尔压缩机一级代理商
重新定义市场定位向专业设备生产企业转型

1999-2004

2005-2010

- 获得国家质检总局颁发的壳管式冷凝器生产许可证
- 成为德国比泽尔压缩机全国销量第一名
- 获得国家质检总局颁发的制冷机组生产许可证
- 美乐柯集团入驻南翔经济城工业园区
- 获得全国工业产品生产许可证，并通过ISO9001质量管理体系认证
- 全面启动并推行质检MZT管理措施

美乐柯集团生产的保鲜冷冻库荣获中央财政农业机械购置补贴

200亩的生产基地在安徽正式投产并与合肥工业大学合作成立制冷技术与工程研究院

美乐柯集团与合肥工业大学共同研制的“一种二氧化碳复叠式商用制冷系统”产品获得国家发明专利

美乐柯集团上线ERP管理系统

美乐柯集团正式取得美国UL产品认证证书

美乐柯集团冷水机组实验室获得合肥通用所验收许可

2011-2016

2017-2019

- 董事长陈建平当选宣城市人大代表；安徽美乐柯公司被认定为省级企业技术中心。
- 安徽美乐柯公司进入安徽省第一批科技型中小企业名单，并荣获高新区2017年度“综合实力十强”称号。
- 荣获高新区2018年度“综合实力十强”称号和年度综合目标管理考核“一等奖”。安徽美乐柯公司于9月12日科技创新专板成功挂牌。

2020年5月安徽美乐柯荣获安徽省商标品牌示范企业；

建成首个高精度多功能实验室；

安徽美乐柯荣获荣获2021年度宣州区创新十强企业；

2022年9月安徽美乐柯荣获省工业设计中心；

安徽美乐柯荣获工业互联网示范企业及科技创新十强企业；

2024年1月21日2位董事长完成传承交棒；

2024年5月美乐柯集团高效冷凝机组成功获得CRAA产品认证证书；

2025年7月XJQ压缩冷凝机组荣获节能降碳示范产品推荐证书；

2025年11月美乐柯集团和天津商业大学建立校企合作关系；

2020-2025



D系列冷风机

D series of air cooler

产品特点 Features

D系列冷风机是一种配套于氟利昂制冷机组使用于各种冷库的库内冷却降温设备，按适用温度来分，分为DL、DD、DJ三种系列，可分别适用于不同的库温，DL型冷风机主要适用于0℃左右的保鲜库；DD型冷风机主要适用于-18℃左右的冷藏库；DJ型冷风机主要适用于-25℃~-30℃的冷藏库。

该系列产品具有如下特点：

- 外壳采用优质钢板，表面喷塑、耐腐蚀、外形美观；
- 盘管采用错排方式，利用机械胀管，使铜管与铝片紧密贴合，换热效果好；
- 优质不锈钢电加热管均匀分布于盘管中，除霜效果好；
- 采用双水盘结构，可有效防止水盘结冰。
- 可根据客户要求采用长距离送风风筒；

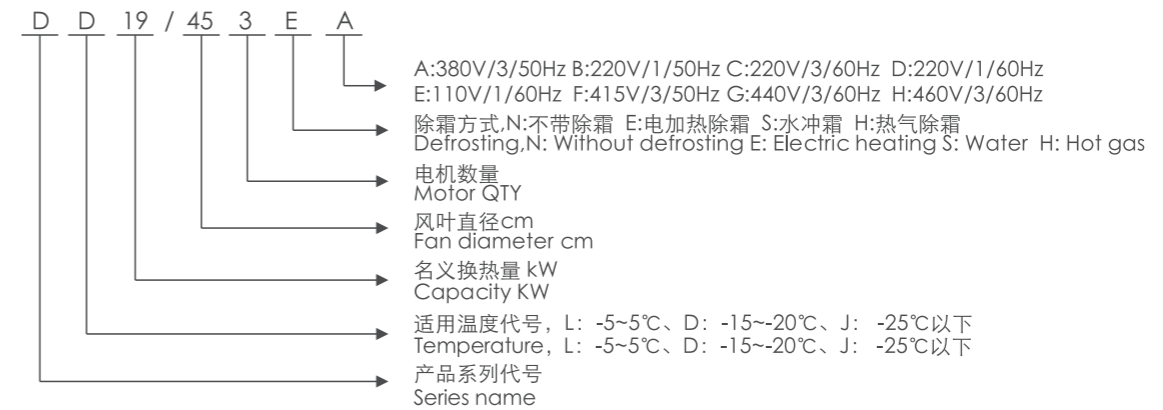
The D series of air cooler is a kind of indoor cooling equipment matching with Freon condensing unit for all kinds of cold room. As per different temperature, has DL, DD, DJ 3 sub series of production for different range temperature needed. DL air cooler for around 0℃, mainly use for fresh-keep cold storage; DD for around -18℃, mainly use for cold storage; DJ for temperature below -25℃~-30℃, specially use for blast freezer room. This series products features:

- Cabinet of steel plate with plastic spray, corrosion proof and pleasant looking.
- Mechanically expanded pipes with AL fins with good transfer performance.
- Inside are evenly arranged with defrosting heater.
- The bottom has double water receivers, effective for anti-freezing.
- Long distance air throw is optional.

1. DL型冷风机 (片距4.5mm) DL Model (Fin Space 4.5mm)

型号 Model	制冷量Capacity(kw) DT=7K to=-7 °C R22	风量 Air flow m³/h	射程 Air throw m	风机总功率 Fan W	化霜功率(KW) Defrosting		外形及安装尺寸overall size(mm)										接管管径pipe dia(mm)		排水管 drainage	净重 Weight
					盘管coil	水盘 water receiver	A	B	C	D	E	E1	E2	E3	F	进液liquid	回气gas			
DL2.2/301EA	2.2	1500	9	90	1	0.5	642	445	465		364	440	-	-	-	105	φ12.7	φ12.7	1"	23.7
DL3.5/301EA	3.5	1500	9	90	1.5	0.5	642	445	465		364	440	-	-	-	105	φ12.7	φ19	1"	26.5
DL4.7/302EA	4.7	3000	9	180	2.7	0.9	1092	445	465		364	860	-	-	-	120	φ12.7	φ22	1"	41
DL6/302EA	6	3000	9	180	3.6	0.9	1108	456	465		384	860	-	-	-	120	φ12.7	φ22	1"	44
DL9/352EA	9	4500	10	280	3.6	1.2	1408	456	465		384	1160	-	-	-	135	φ16	φ22	1"	52
DL12.5/402EA	12.5	7000	12	390	4.8	1.2	1489	572	565		484	1240	-	-	-	135	φ16	φ22	1"	72
DL14.5/402EA	14.5	7000	12	390	6	1.2	1489	572	665		484	1240	-	-	-	135	φ16	φ28	1"	81
DL17/402EA	17	7000	12	390	6	1.2	1680	592	680		484	1360	-	-	-	164	φ16	φ28	1.5"	80
DL25/502EA	25	12000	15	1000	10	4	2124	595	680		502	1801	920.5	880.5		164	φ22	φ35	1.5"	113
DL29/453EA	29	13500	14	840	10	4	2697	595	680		502	2374	818	778	-	164	φ22	φ35	2"	141
DL36.5/503EA	36.5	18000	15	1500	10	4	2697	595	765		502	2374	818	778	-	164	φ22	φ42	2"	159
DL42/503EA	42	18000	15	1500	12	4	2890	595	765		502	2560	880	840	-	160	φ22	φ42	2"	176
DL49/503EA	49	18000	15	1500	12	4	2890	675	765		582	2560	880	840	-	160	φ22	φ54	2"	190
DL59/504EA	59	24000	15	2000	15.6	5.2	3778	685	865		582	3440	890	850	850	170	φ28	φ54	2-2"	277
DL70/554EA	70	30000	18	3000	15.6	5.2	3778	685	975		582	3440	890	850	850	170	φ28	φ54	2-2"	312
DL84/554EA	84	30000	18	3000	23.4	5.2	3978	785	975		682	3600	930	890	890	240	φ28	φ54	2-2"	373
DL103/604EA	103	42000	18	3400	26	5.2	3978	785	975		682	3600	930	890	890	240	φ35	φ60	2-2"	442
DL112/634EA	112	46000	18	3520	31.2	5.2	3988	785	1075		682	3620	950	890	890	240	φ35	φ60	2-2"	487
DL122/634EA	122	46000	20	3520	33.8	5.2	3988	785	1175		682	3620	950	890	890	240	φ35	φ60	2-2"	516

型号说明 Mode Code



DL型冷风机温度影响系数A1 (表1)

DL model temperature coefficient A1 (table 1)

传热温差 Temperature difference ΔT(K)	库内温度(°C)Temperature						
	-2	0	2	4	6	8	10
10K	1.21	1.25	1.29	1.31	1.34	1.35	1.35
8K	1.09	1.12	1.15	1.18	1.20	1.21	1.21
7K	0.97	1.00	1.03	1.05	1.07	1.08	1.08
6K	0.83	0.86	0.89	0.90	0.92	0.93	0.93

D系列冷风机

D series of air cooler

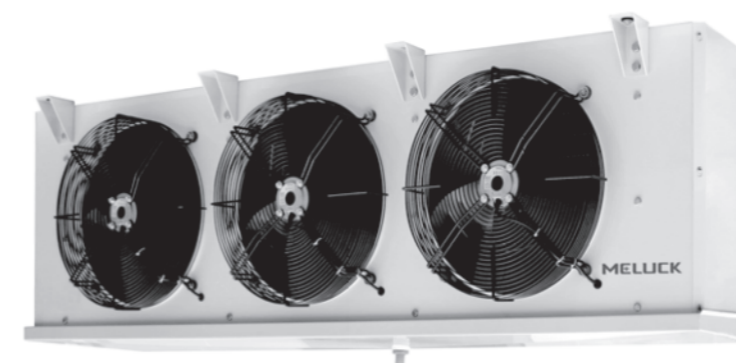
主要技术参数Specification

2. DD型冷风机 (片距6.0mm)
DD Model (fin space 6.0mm)

型号 Model	制冷量Capacity(kw) DT=7K t0=-25℃ R22	风量 Air flow m³/h	射程 Air throw m	风机总功率 Fan W	化霜功率(KW) Defrosting		外形及安装尺寸overall size(mm)										接管管径pipe dia(mm)		排水管 drainage	净重 Weight
					盘管coil	水盘 water receiver	A	B	C	D	E	E1	E2	E3	F	进液liquid	回气gas			
DD1.4/301EA	1.4	1500	9	90	1	0.5	642	445	465		364	440	-	-	-	105	φ12.7	φ12.7	1"	23.5
DD2.3/301EA	2.3	1500	9	90	1.5	0.5	642	445	465		364	440	-	-	-	105	φ12.7	φ19	1"	26
DD3/302EA	3	3000	9	180	2.7	0.9	1092	445	465		364	860	-	-	-	120	φ12.7	φ22	1"	40
DD4.5/302EA	4.5	3000	9	180	3.6	0.9	1108	456	465		384	860	-	-	-	120	φ12.7	φ22	1"	43
DD6/352EA	6	4500	10	280	3.6	1.2	1408	456	465		384	1160	-	-	-	135	φ16	φ22	1"	51
DD7.5/402EA	7.5	7000	12	390	4.8	1.2	1489	572	565		484	1240	-	-	-	135	φ16	φ22	1"	70.5
DD9/402EA	9	7000	12	390	6	1.2	1489	572	665		484	1240	-	-	-	135	φ16	φ28	1"	80
DD11/402EA	11	7000	12	390	6	1.2	1680	592	680		484	1360	-	-	-	164	φ16	φ28	1.5"	77.5
DD15.5/502EA	15.5	12000	15	1000	10	4	2124	595	680		502	1801	920.5	880.5		164	φ22	φ35	1.5"	110
DD19/453EA	19	13500	14	840	10	4	2697	595	680		502	2374	818	778	-	164	φ22	φ35	2"	138
DD24/503EA	24	18000	15	1500	10	4	2697	595	765		502	2374	818	778	-	164	φ22	φ42	2"	156
DD29/503EA	29	18000	15	1500	12	4	2890	595	765		502	2560	880	840	-	160	φ22	φ42	2"	172
DD32/503EA	32	18000	15	1500	12	4	2890	675	765		582	2560	880	840	-	160	φ22	φ54	2"	186
DD38/504EA	38	24000	15	2000	15.6	5.2	3778	685	865		582	3440	890	850	850	170	φ28	φ54	2-2"	272
DD47/554EA	47	30000	18	3000	15.6	5.2	3778	685	975		582	3440	890	850	850	170	φ28	φ54	2-2"	305
DD58/554EA	58	30000	18	3000	23.4	5.2	3978	785	975		682	3600	930	890	890	240	φ28	φ54	2-2"	364
DD72/604EA	72	42000	18	3400	26	5.2	3978	785	975		682	3600	930	890	890	240	φ35	φ60	2-2"	432
DD79/634EA	79	46000	18	3520	31.2	5.2	3988	785	1075		682	3620	950	890	890	240	φ35	φ60	2-2"	476
DD88/634EA	88	46000	20	3520	33.8	5.2	3988	785	1175		682	3620	950	890	890	240	φ35	φ60	2-2"	505

DD型冷风机温度影响系数A1 (表2)
DD model temperature coefficient A1 (table 2)

传热温差 Temperature difference ΔT(K)	库内温度(°C)Temperature					
	-23	-18	-13	-8	-3	2
8	1.10	1.12	1.15	1.18	1.20	1.21
7	0.98	1.00	1.03	1.05	1.07	1.08
6	0.84	0.86	0.89	0.90	0.92	0.93



D系列冷风机

D series of air cooler

主要技术参数Specification

3、DJ型冷风机 (片距9.0mm) DJ Model (fin space 9.0mm)

型号 Model	制冷量Capacity(kw) DT=7K t0=-32℃ R22	风量 Air flow m³/h	射程 Air throw m	风机总功率 Fan W	化霜功率(KW) Defrosting		外形及安装尺寸overall size(mm)										接管管径pipe dia(mm)		排水管 drainage	净重 Weight
					盘管coil	水盘 water receiver	A	B	C	D	E	E1	E2	E3	F	进液liquid	回气gas			
DJ1.7/301EA	1.7	1500	9	90	1.5	0.5	642	445	465		364	440	-	-	-	105	Φ12.7	φ19	1"	26
DJ2.2/302EA	2.2	3000	9	180	2.7	0.9	1092	445	465		364	860	-	-	-	120	Φ12.7	φ22	1"	40
DJ2.7/302EA	2.7	3000	9	180	3.6	0.9	1108	456	465		384	860	-	-	-	120	Φ12.7	φ22	1"	43
DJ4.2/352EA	4.2	4500	10	280	3.6	1.2	1408	456	465		384	1160	-	-	-	135	φ16	φ22	1"	51
DJ5.6/402EA	5.6	7000	12	390	4.8	1.2	1489	572	565		484	1240	-	-	-	135	φ16	φ22	1"	70
DJ6.8/402EA	6.8	7000	12	390	6	1.2	1489	572	665		484	1240	-	-	-	135	φ16	φ28	1"	79.5
DJ7.8/402EA	7.8	7000	12	390	6	1.2	1680	592	680		484	1360	-	-	-	164	φ16	φ28	1.5"	77
DJ11.5/502EA	11.5	12000	15	1000	10	4	2124	595	680		502	1801	920.5	880.5		164	φ22	φ35	1.5"	109
DJ14/453EA	14	13500	14	840	10	4	2697	595	680		502	2374	818	778	-	164	φ22	φ35	2"	137
DJ17/503EA	17	18000	15	1500	10	4	2697	595	765		502	2374	818	778	-	164	φ22	φ42	2"	155
DJ20/503EA	20	18000	15	1500	12	4	2890	595	765		502	2560	880	840	-	160	φ22	φ42	2"	171
DJ23/503EA	23	18000	15	1500	12	4	2890	675	765		582	2560	880	840	-	160	φ22	φ54	2"	184
DJ26/504EA	26	24000	15	2000	15.6	5.2	3778	685	865		582	3440	890	850	850	170	φ28	φ54	2-2"	270
DJ31/554EA	31	30000	18	3000	15.6	5.2	3778	685	975		582	3440	890	850	850	170	φ28	φ54	2-2"	303
DJ40/554EA	40	30000	18	3000	23.4	5.2	3978	785	975		682	3600	930	890	890	240	φ28	φ54	2-2"	361
DJ49/604EA	49	42000	18	3400	26	5.2	3978	785	975		682	3600	930	890	890	240	φ35	φ60	2-2"	428
DJ53.6/634EA	53.6	46000	18	3520	31.2	5.2	3988	785	1075		682	3620	950	890	890	240	φ35	φ60	2-2"	471
DJ58/634EA	58	46000	20	3520	33.8	5.2	3988	785	1175		682	3620	950	890	890	240	φ35	φ60	2-2"	500

DJ型冷风机温度影响系数A1 (表3)
DJ model temperature coefficient A1 (table 3)

传热温差 Temperature difference ΔT(K)	库内温度(℃)Temperature					
	-28	-25	-18	-13	-8	-3
8	1.10	1.12	1.14	1.16	1.20	1.22
7	0.98	1.00	1.02	1.04	1.07	1.09
6	0.84	0.86	0.88	0.89	0.92	0.94

制冷剂影响系数A2 (表4)
Capacity coefficient A2 (table 4)

制冷剂Capacity	影响系数Influence coefficient
R22	1
R507A	1.03
R404A	1.05

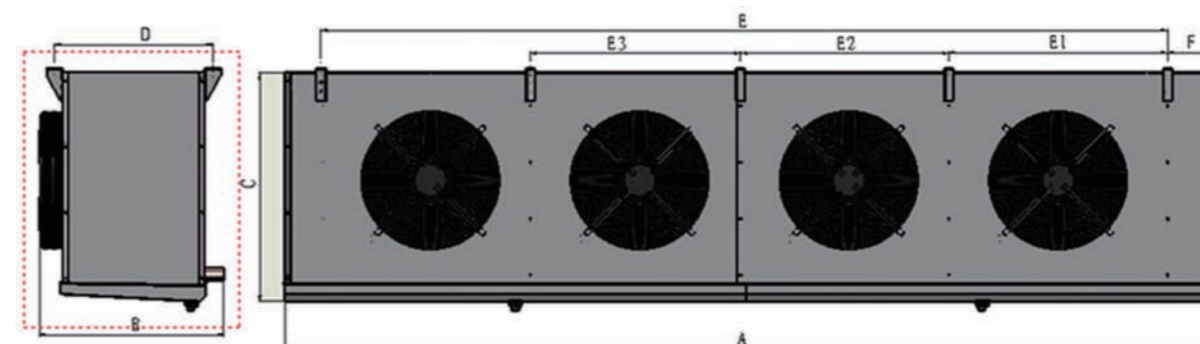
样本中所标定的制冷量为设计工况下的名义制冷量，用户应根据所使用的制冷剂、冷间温度及传热温差来合理选型。
冷风机实际冷量应根据下式来修正：

$$QR = QN \times A1 \times A2$$

式中：QR —— 冷风机实际冷量 (KW)
QN —— 冷风机名义冷量 (KW)
A1 —— 温度影响系数 见表1、表2、表3
A2 —— 制冷剂影响系数 见表4

All refrigerating capacity in this book is Nominal Refrigerating Capacity, user could select the right model through the capacity, room temperature and the different of transfer temperature.

Actual refrigerating capacity = Nominal Refrigerating Capacity * Temperature coefficient * Capacity coefficient



水冲霜系列冷风机

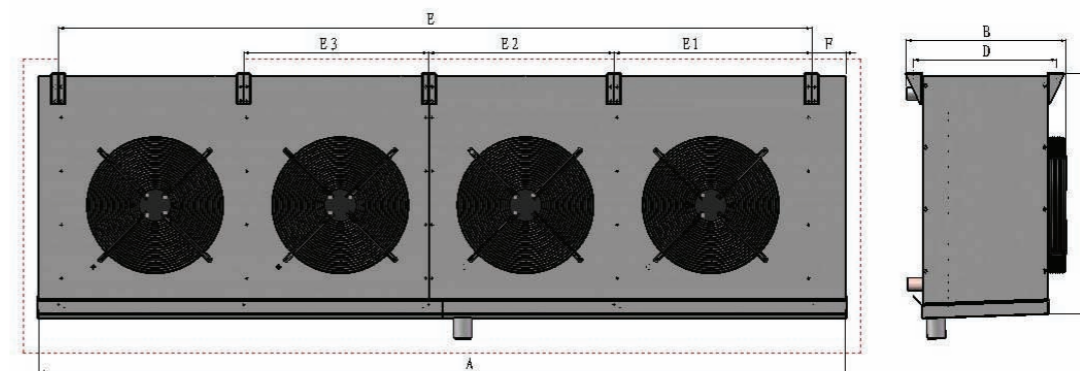
DS Series Water Defrosting Air Coolers

主要技术参数Specifications:

片距: 4.5mm								
型号 Model	换热量 DT=7K kW	风机 Air Coolers					冲霜水量 Defrost water m³/h	重量 weight kg
		风量 Air flow m³/h	直径 Dia mm	射程 Air throw m	功率 Input w	电压 Voltage V		
DL17/402SA	17	7000	400	12	2×195	380	2.4	92.5
DL25/502SA	25	12000	500	15	2×500	380	3.3	125
DL29/453SA	29	13500	450	14	3×280	380	4.3	155
DL36.5/503SA	36.5	18000	500	15	3×500	380	5.0	175
DL42/503SA	42	18000	500	15	3×500	380	5.8	194
DL49/503SA	49	18000	500	15	3×500	380	7.3	209
DL59/504SA	59	24000	500	15	4×500	380	9.0	305
DL70/554SA	70	30000	550	18	4×750	380	10.1	343
DL84/554SA	84	30000	550	18	4×750	380	13.2	411
DL103/604SA	103	42000	600	18	4×850	380	15.8	483
DL112/634SA	112	46000	630	18	4×880	380	17.6	536
DL122/634SA	122	46000	630	20	4×880	380	19.4	563
片距: 6mm								
DD11/402SA	11	7000	400	12	2×195	380	2.4	91
DD15.5/502SA	15.5	12000	500	15	2×500	380	3.3	121
DD19/453SA	19	13500	450	14	3×280	380	4.3	152
DD24/503SA	24	18000	500	15	3×500	380	5.0	172
DD29/503SA	29	18000	500	15	3×500	380	5.8	189
DD32/503SA	32	18000	500	15	3×500	380	7.3	205
DD38/504SA	38	24000	500	15	4×500	380	9.0	300
DD47/554SA	47	30000	550	18	4×750	380	10.1	336
DD58/554SA	58	30000	550	18	4×750	380	13.2	400
DD72/604SA	72	42000	600	18	4×850	380	15.8	475
DD79/634SA	79	46000	630	18	4×880	380	17.6	524
DD88/634SA	88	46000	630	20	4×880	380	19.4	556
片距: 9mm								
DJ7.8/402SA	7.8	7000	400	12	2×195	380	2.4	91
DJ11.5/502SA	11.5	12000	500	15	2×500	380	3.3	120
DJ14/453SA	14	13500	450	14	3×280	380	4.3	151
DJ17/503SA	17	18000	500	15	3×500	380	5.0	170.5
DJ20/503SA	20	18000	500	15	3×500	380	5.8	188
DJ23/503SA	23	18000	500	15	3×500	380	7.3	202.5
DJ26/504SA	26	24000	500	15	4×500	380	9.0	297
DJ31/554SA	31	30000	550	18	4×750	380	10.1	333.5
DJ40/554SA	40	30000	550	18	4×750	380	13.2	397
DJ49/604SA	49	42000	600	18	4×850	380	15.8	471
DJ53.6/634SA	53.6	46000	630	18	4×880	380	17.6	518
DJ58/634SA	58	46000	630	20	4×880	380	19.4	550

外形及安装尺寸Overall and installing size

型号	外型尺寸(Overall size)mm			吊顶安装尺寸(Installing size) m m							接管管径 Pipe dia		水冲霜管径 Pipe dia	
	A	B	C	D	E	E1	E2	E3	E4	F	进口 In	出口 Out	进水 In	出水 Out
DL17/402SA DD11/402SA DJ7.8/402SA	1666	602	926	502.5	1360	700	-	-	-	166	φ16	Φ28	1.5"	2"
DL25/502SA DD15.5/502SA DJ11.5/502SA	2107	632	930	502.5	1801	920.5	-	-	-	166	φ22	Φ35		
DL29/453SA DD19/453SA DJ14/453SA	2680	632	930	502.5	2374	818	778	778	-	166	φ22	Φ35		
DL36.5/503SA DD24/503SA DJ17/503SA	2680	632	1030	502.5	2374	818	778	778	-	166	Φ22	Φ42		
DL42/503SA DD29/503SA DJ20/503SA	2891	632	1056	502.5	2560	880	840	840	-	181	Φ22	Φ42		
DL49/503SA DD32/503SA DJ23/503SA	2891	683	1056	583.5	2560	880	840	840	-	181	Φ22	φ54		
DL59/504SA DD38/504SA DJ26/504SA	3771	683	1156	583.5	3440	890	850	850	850	181	φ28	φ54		
DL70/554SA DD47/554SA DJ31/554SA	3771	681	1255	583.5	3440	890	850	850	850	181	φ28	φ54		
DL84/554SA DD58/554SA DJ40/554SA	3971	765	1255	683.5	3600	930	890	890	890	221	φ28	φ54		
DL103/604SA DD72/604SA DJ49/604SA	3971	803	1255	683.5	3600	930	890	890	890	221	φ35	Φ60		
DL112/634SA DD79/634SA DJ53.6/634SA	3991	815	1360	683.5	3620	950	890	890	890	241	Φ35	Φ60		
DL122/634SA DD88/634SA DJ58/634SA	3991	815	1460	683.5	3620	950	890	890	890	241	Φ35	Φ60		



MAC新型吊顶式冷风机

MAC Series Air Coolers

产品特点Features

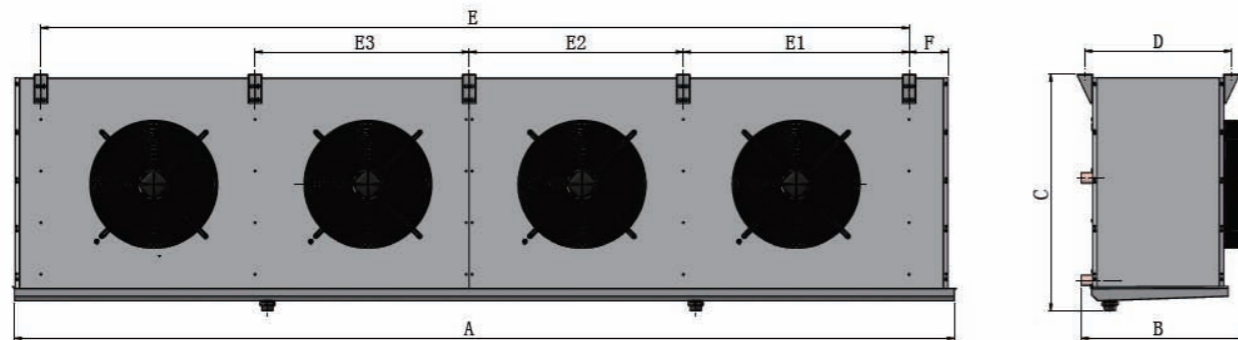
MAC系列吊顶式冷风机是一种配套于氟利昂制冷机组使用于各种冷库的库内冷却降温设备，可广泛应用于食品的保鲜、冷藏及速冻等。

该系列产品具有如下特征：

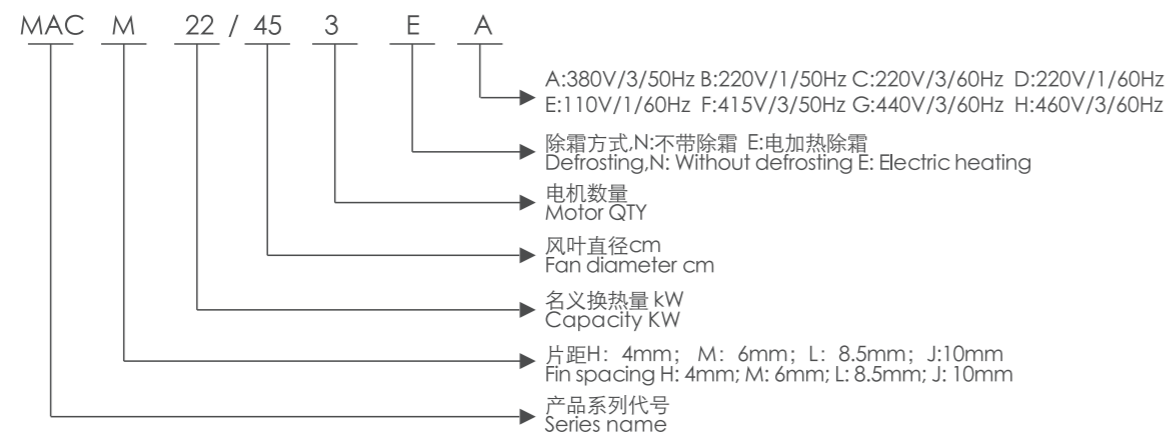
- 盘管采用φ12.7的高效内螺纹铜管，管间距37.5×32.5，正三角形排列；
- 采用4.0、6.0、8.5、10.0四种片距规格，可供用户选择，以满足不同的库温要求；
- 采用耐低温的外转子电机，噪音小、效率高、可靠性好；
- 采用意大利佐帕斯公司生产的优质不锈钢电加热管，均匀分布于盘管中，除霜效果好；
- 电机及电热管均预先连接于接线盒中，方便用户接线；
- 外壳采用铝镁合金板，外形美观。

MAC series ceiling air cooler is Freon refrigeration units, can be used for the food fresh, cold storage and quick freezing etc. This series products features:

- Coil made of φ12.7 efficient copper tube with internal thread, 37.5×32.5 positioned in equilateral triangle.
- 4 different fin space of 4.0, 6.0, 8.5, 10.0 for customer's choice to meet different temperature requirement of the room.
- External rotor fan for low temperature, with low noise, high efficiency, and reliability.
- Stainless steel electric heater produced by Italian Zuomoshi Company, which evenly placed in the coil with good defrosting effect.
- Fan motor and electric heater has been connected to the terminal box, convenient for wire connection.
- Shell made of alloy of aluminum or stainless plate, easy to be assembled and disassembled.



型号说明Mode Code



名义换热量条件为：库温0℃、蒸发温度-8℃、温差DT=8K、制冷剂R22

Nominal capacity affected by: room temperature 0℃, evap. Temperature -8℃, different temperature DT=8K, and refrigerant is R22.

主要技术参数Specification

片距 4.0mm(适用于库温0℃以上)

Fin space 4.0mm (for room temperature 0℃and beyond)

型号 Model	名义换热量 Nominal capacity	面积 Area	风量 Air flow	射程 Air throw	管容 Tube V	风扇电机 Fan motor				融霜电热管 Defrosting electric heater tube			
						电压 Voltage	直径 Dia.	数量 Qty.	功率 Input	电压 Voltage	功率 Input(kW)		
						V	mm	n	W	V	盘管 Coil tube	水盘 water	
风叶 φ350	MACH3.7/351EA	3.7	16.8	2500	12	4	380	350	1	150	220	1.2	0.6
	MACH5.2/351EA	5.2	25.2	2300	11	6	380	350	1	150	220	1.2	0.6
	MACH7.3/352EA	7.3	33.6	5000	13	7.7	380	350	2	300	220	2.4	1.2
	MACH10.4/352EA	10.4	50.5	4600	12	11.5	380	350	2	300	220	3.6	1.2
	MACH11.1/353EA	11.1	50.5	7500	14	11.3	380	350	3	450	220	3.0	1.5
MACH15.5/353EA	15.5	75.7	6900	13	17	380	350	3	450	220	4.5	1.5	
风叶 φ450	MACH10/451EA	10	47.7	5000	14	11.1	380	450	1	250	220	3.3	1.1
	MACH12.1/451EA	12.1	63.5	4800	12	14.7	380	450	1	250	220	4.4	1.1
	MACH20/452EA	20	95.3	10000	16	21.4	380	450	2	500	220	6.0	2.4
	MACH24.1/452EA	24.1	127	9600	14	28.5	380	450	2	500	220	8.0	2.4
	MACH30/453EA	30	143	15000	18	31.8	380	450	3	750	220	9.5	3.8
	MACH36.3/453EA	36.3	191	14400	16	42.4	380	450	3	750	220	11.4	3.8
	MACH40/454EA	40	191	20000	18	42.1	380	450	4	1000	220	12.5	5
	MACH48.3/454EA	48.3	254	19200	16	55	380	450	4	1000	220	15	5
风叶 φ550	MACH39.1/552EA	39.1	205.6	15600	20	45.8	380	550	2	1200	220	11.9	3.4
	MACH46.5/552EA	46.5	257	15200	18	57.3	380	550	2	1200	220	17	3.4
	MACH58.2/553EA	58.2	308.4	23400	22	68.2	380	550	3	1800	220	20	5
	MACH69.7/553EA	69.7	385.4	22800	20	85.2	380	550	3	1800	220	25	5
	MACH78.3/554EA	78.3	411	31200	23	90.6	380	550	4	2400	220	23.1	6.6
	MACH93.1/554EA	93.1	514	30400	21	113.2	380	550	4	2400	220	26.4	6.6
风叶 φ630	MACH54.9/632EA	54.9	287.8	23600	30	64.2	380	630	2	1760	220	17	3.4
	MACH65.1/632EA	65.1	359.7	21600	28	80.3	380	630	2	1760	220	23.8	3.4
	MACH82.2/633EA	82.2	431.7	35400	30	95.5	380	630	3	2640	220	27.5	5
	MACH97.6/633EA	97.6	539.6	32400	28	119	380	630	3	2640	220	35	5
	MACH109.5/634EA	109.5	575.6	47200	30	127	380	630	4	3520	220	39.6	6.6
	MACH130.2/634EA	130.2	719.5	43200	28	159	380	630	4	3520	220	49.5	6.6

名义换热量条件为：库温0℃、蒸发温度-8℃、温差DT=8K、制冷剂R22

Nominal capacity affected by: room temperature 0℃, evap. Temperature -8℃, different temperature DT=8K, and refrigerant is R22.

MAC新型吊顶式冷风机

MAC Series Air Coolers

主要技术参数Specification

片距 6.0mm (适用于库温-18℃以上)
Fin space 6.0mm (for room temperature -18℃ and beyond)

型号 Model	名义换热量 Nominal capacity	面积 Area	风量 Air flow	射程 Air throw	管容 Tube V	风扇电机 Fan motor				融霜电热管 Defrosting electric heater tube			
						电压 Voltage	直径 Dia.	数量 Qty.	功率 Input	电压 Voltage	功率 Input(kW)		
						V	mm	n	W	V	盘管 Coil tube	水盘 water	
风叶 φ350	MACM3/351EA	3	11.5	2800	13	4	380	350	1	150	220	1.2	0.6
	MACM4.1/351EA	4.1	17.3	2500	12	6	380	350	1	150	220	1.2	0.6
	MACM5.9/352EA	5.9	23	5600	14	7.7	380	350	2	300	220	2.4	1.2
	MACM8.2/352EA	8.2	34.6	5000	13	11.5	380	350	2	300	220	3.6	1.2
	MACM8.9/353EA	8.9	34.6	8400	15	11.3	380	350	3	450	220	3.0	1.5
	MACM12.4/353EA	12.4	51.9	7500	14	17	380	350	3	450	220	4.5	1.5
风叶 φ450	MACM7.3/451EA	7.3	32.6	5200	15	11.1	380	450	1	250	220	3.3	1.1
	MACM8.7/451EA	8.7	43.5	5000	14	14.7	380	450	1	250	220	4.4	1.1
	MACM14.5/452EA	14.5	65.2	10400	16	21.4	380	450	2	500	220	6.0	2.4
	MACM17.4/452EA	17.4	87	10000	15	28.5	380	450	2	500	220	8.0	2.4
	MACM22/453EA	22	98	15600	18	31.8	380	450	3	750	220	9.5	3.8
	MACM26/453EA	26	130.6	15000	16	42.4	380	450	3	750	220	11.4	3.8
	MACM29.2/454EA	29.2	130.6	20800	20	42.1	380	450	4	1000	220	12.5	5
	MACM34.7/454EA	34.7	174	20000	18	55	380	450	4	1000	220	15	5
风叶 φ550	MACM30.1/552EA	30.1	140.8	16600	24	45.8	380	550	2	1200	220	11.9	3.4
	MACM35.2/552EA	35.2	176	15600	22	57.3	380	550	2	1200	220	17	3.4
	MACM43.2/553EA	43.2	211.2	24900	26	68.2	380	550	3	1800	220	20	5
	MACM52.8/553EA	52.8	264	23400	24	85.2	380	550	3	1800	220	25	5
	MACM56.3/554EA	56.3	281.6	33200	28	90.6	380	550	4	2400	220	23.1	6.6
	MACM70.4/554EA	70.4	352	31200	26	113.2	380	550	4	2400	220	26.4	6.6
风叶 φ630	MACM41.3/632EA	41.3	197.1	23600	28	64.2	380	630	2	1760	220	17	3.4
	MACM49.2/632EA	49.2	246.4	21600	24	80.3	380	630	2	1760	220	23.8	3.4
	MACM62/633EA	62	295.7	35400	30	95.5	380	630	3	2640	220	27.5	5
	MACM73.9/633EA	73.9	369.6	32400	26	119	380	630	3	2640	220	35	5
	MACM82.6/634EA	82.6	394.2	47200	30	127	380	630	4	3520	220	39.6	6.6
	MACM98.6/634EA	98.6	492.8	43200	28	159	380	630	4	3520	220	49.5	6.6

名义换热量条件为：库温0℃、蒸发温度-8℃、温差DT=8K、制冷剂R22
Nominal capacity affected by: room temperature 0℃, evap. Temperature -8℃, different temperature DT=8K, and refrigerant is R22.

主要技术参数Specification

片距 8.5mm (适用于库温-25℃以上)
Fin space 8.5mm (for room temperature -25℃ and beyond)

型号 Model	名义换热量 Nominal capacity	面积 Area	风量 Air flow	射程 Air throw	管容 Tube V	风扇电机 Fan motor				融霜电热管 Defrosting electric heater tube			
						电压 Voltage	直径 Dia.	数量 Qty.	功率 Input	电压 Voltage	功率 Input(kW)		
						V	mm	n	W	V	盘管 Coil tube	水盘 water	
风叶 φ350	MACL2.5/351EA	2.5	8.6	3000	13	4	380	350	1	150	220	1.2	0.6
	MACL3.3/351EA	3.3	13	2600	11	6	380	350	1	150	220	1.2	0.6
	MACL5/352EA	5	17.3	6000	13	7.7	380	350	2	300	220	2.4	1.2
	MACL6.7/352EA	6.7	25.9	5200	12	11.5	380	350	2	300	220	3.6	1.2
	MACL7.3/353EA	7.3	25.9	9000	14	11.3	380	350	3	450	220	3.0	1.5
	MACL10/353EA	10	38.9	7800	13	17	380	350	3	450	220	4.5	1.5
风叶 φ450	MACL6.3/451EA	6.3	24.5	5000	14	11.1	380	450	1	250	220	3.3	1.1
	MACL7.8/451EA	7.8	32.6	4800	14	14.7	380	450	1	250	220	4.4	1.1
	MACL12.5/452EA	12.5	49.5	10000	18	21.4	380	450	2	500	220	6.0	2.4
	MACL15.5/452EA	15.5	65.2	9600	16	28.5	380	450	2	500	220	8.0	2.4
	MACL18.8/453EA	18.8	73.5	15000	20	31.8	380	450	3	750	220	9.5	3.8
	MACL23.3/453EA	23.3	98	14400	18	42.4	380	450	3	750	220	11.4	3.8
	MACL25.2/454EA	25.2	98	20000	22	42.1	380	450	4	1000	220	12.5	5
	MACL31.1/454EA	31.1	130.6	19200	20	55	380	450	4	1000	220	15	5
风叶 φ550	MACL25.1/552EA	25.1	105.6	16600	24	45.8	380	550	2	1200	220	11.9	3.4
	MACL29/552EA	29	132	15600	22	57.3	380	550	2	1200	220	17	3.4
	MACL37.7/553EA	37.7	158.4	24900	26	68.2	380	550	3	1800	220	20	5
	MACL43.4/553EA	43.4	198	23400	24	85.2	380	550	3	1800	220	25	5
	MACL50.3/554EA	50.3	211.2	33200	28	90.6	380	550	4	2400	220	23.1	6.6
	MACL57.8/554EA	57.8	264	31200	26	113.2	380	550	4	2400	220	26.4	6.6
风叶 φ630	MACL35.2/632EA	35.2	147.8	23600	28	64.2	380	630	2	1760	220	17	3.4
	MACL40.6/632EA	40.6	185	21600	24	80.3	380	630	2	1760	220	23.8	3.4
	MACL52.9/633EA	52.9	221.8	35400	30	95.5	380	630	3	2640	220	27.5	5
	MACL60.8/633EA	60.8	277.2	32400	26	119	380	630	3	2640	220	35	5
	MACL70.4/634EA	70.4	295.7	47200	30	127	380	630	4	3520	220	39.6	6.6
	MACL81/634EA	81	369.6	43200	28	159	380	630	4	3520	220	49.5	6.6

名义换热量条件为：库温0℃、蒸发温度-8℃、温差DT=8K、制冷剂R22
Nominal capacity affected by: room temperature 0℃, evap. Temperature -8℃, different temperature DT=8K, and refrigerant is R22.

MAC新型吊顶式冷风机

MAC Series Air Coolers

主要技术参数Specification

片距 10.0mm (适用于库温-35℃以上)
Fin space 10.0mm (for room temperature -35°C and beyond)

型号 Model	换热量 DT=8K kW	面积 Area m ²	风量 Air flow m ³ /h	射程 Air throw m	管容 Tube V dm ³	风扇电机 Fan motor				融霜电热管 Defrosting electric heater tube			
						电压 Voltage V	直径 Dia. mm	数量 Qty. n	功率 Input W	电压 Voltage V	功率 Input(kW)	盘管 Coil tube	水盘 water
风叶 φ450	MACJ5.8/451EA	5.8	21.2	5000	14	11.1	380	450	1	250	220	3.3	1.1
	MACJ7.2/451EA	7.2	28.3	4800	14	14.7	380	450	1	250	220	4.4	1.1
	MACJ11.7/452EA	11.7	42.4	10000	18	21.4	380	450	2	500	220	6.0	2.4
	MACJ14.7/452EA	14.5	56.6	9600	16	28.5	380	450	2	500	220	8.0	2.4
	MACJ17.5/453EA	17.5	63.6	15000	20	31.8	380	450	3	750	220	9.5	3.8
	MACJ21.9/453EA	21.9	85	14400	18	42.4	380	450	3	750	220	11.4	3.8
	MACJ23.5/454EA	23.5	85	20000	22	42.1	380	450	4	1000	220	12.5	5
	MACJ29.1/454EA	29.1	113.2	19200	20	55	380	450	4	1000	220	15	5
风叶 φ550	MACJ25.2/552EA	25.2	91.5	16600	24	45.8	380	550	2	1200	220	11.9	3.4
	MACJ29.4/552EA	29.4	114.4	15600	22	57.3	380	550	2	1200	220	17	3.4
	MACJ37.9/553EA	37.9	137.3	24900	26	68.2	380	550	3	1800	220	20	5
	MACJ44.2/553EA	44.2	172	23400	24	85.2	380	550	3	1800	220	25	5
	MACJ50.6/554EA	50.6	183	33200	28	90.6	380	550	4	2400	220	23.1	6.6
	MACJ58.9/554EA	58.9	228.8	31200	26	113.2	380	550	4	2400	220	26.4	6.6
风叶 φ630	MACJ35.3/632EA	35.3	128.1	23600	28	64.2	380	630	2	1760	220	17	3.4
	MACJ41.2/632EA	41.2	160.2	21600	24	80.3	380	630	2	1760	220	23.8	3.4
	MACJ53.1/633EA	53.1	192.2	35400	30	95.5	380	630	3	2640	220	27.5	5
	MACJ61.8/633EA	61.8	240.2	32400	26	119	380	630	3	2640	220	35	5
	MACJ70.8/634EA	70.8	256.3	47200	30	127	380	630	4	3520	220	39.6	6.6
	MACJ82.4/634EA	82.4	320.3	43200	28	159	380	630	4	3520	220	49.5	6.6

名义换热量条件为：库温0℃、蒸发温度-8℃、温差DT=8K、制冷剂R22
Nominal capacity affected by: room temperature 0°C, evap. Temperature -8°C, different temperature DT=8K, and refrigerant is R22.

外形及安装尺寸Overall and installation size

型号 Model	外型尺寸 Overall size(mm)			安装尺寸 Installation size(mm)						接管管径 Pipe connection(mm)		排水管 drainage	
	A	B	C	D	E	E1	E2	E3	F	进口 Inlet	出口 outlet		
MACH3.7/351EA MACM3/351EA MACL2.5/351EA	890	500	590	425	640					123	φ12.7	φ22	1"
MACH5.2/351EA MACM4.1/351EA MACL3.3/351EA	890	500	590	425	640					123	φ12.7	φ22	1"
MACH7.3/352EA MACM5.9/352EA MACL5/352EA	1491	500	590	425	1240					123	φ12.7	φ28	1"
MACH10.4/352EA MACM8.2/352EA MACL6.7/352EA	1491	500	590	425	1240					123	φ12.7	φ28	1"
MACH11.1/353EA MACM8.9/353EA MACL7.3/353EA	2089	500	590	425	1840	640	600			123	φ12.7	φ28	2"
MACH15.5/353EA MACM12.4/353EA MACL10/353EA	2089	500	590	425	1840	640	600			123	φ16	φ35	2"
MACH10/451EA MACM7.3/451EA MACL6.3/451EA MACJ5.8/451EA	1166	700	750	575	890					155	φ22	φ35	1"
MACH12.1/451EA MACM8.7/451EA MACL7.8/451EA MACJ7.2/451EA	1166	700	750	575	890					155	φ22	φ35	1"
MACH20/452EA MACM14.5/452EA MACL12.5/452EA MACJ11.7/452EA	2016	700	750	575	1740	890				155	φ22	φ35	2"
MACH24.1/452EA MACM17.4/452EA MACL15.5/452EA MACJ14.7/452EA	2016	700	750	575	1740	890				155	φ22	φ42	2"
MACH30/453EA MACM22/453EA MACL18.8/453EA MACJ17.5/453EA	2716	710	750	575	2440	840	800			155	φ28	φ42	2-1"
MACH36.3/453EA MACM26/453EA MACL23.3/453EA MACJ21.9/453EA	2716	710	750	575	2440	840	800			155	φ28	φ42	2-1"
MACH40/454EA MACM29.2/454EA MACL25.2/454EA MACJ23.5/454EA	3750	710	760	575	3440	890	860	840		155	φ28	φ42	2"

MAC新型吊顶式冷风机

MAC Series Air Coolers

外形及安装尺寸Overall and installation size

型号 Model	外型尺寸 Overall size(mm)			安装尺寸 Installation size(mm)						接管管径 Pipe connection(mm)		排水管 drainage
	A	B	C	D	E	E1	E2	E3	F	进口 Inlet	出口 outlet	
MACH48.3/454EA MACM34.7/454EA MACL31.1/454EA MACJ29.1/454EA	3750	710	760	575	3440	890	860	840	155	φ28	φ54	2"
MACH39.1/552EA MACM30.1/552EA MACL25.1/552EA MACJ25.2/552EA	2645	810	1050	685	2340	1190	1150		183	φ28	φ54	2-1"
MACH46.5/552EA MACM35.2/552EA MACL29/552EA MACJ29.4/552EA	2645	810	1050	685	2340	1190	1150		183	φ28	φ54	2-1"
MACH58.2/553EA MACM43.2/553EA MACL37.7/553EA MACJ37.9/553EA	3675	810	905	685	3360	1160	1100		183	2-φ22	2-φ42	2-2"
MACH69.7/553EA MACM52.8/553EA MACL43.4/553EA MACJ44.2/553EA	3675	810	905	685	3360	1160	1100		183	2-φ22	2-φ42	2-2"
MACH78.3/554EA MACM56.3/554EA MACL50.3/554EA MACJ50.6/554EA	4775	810	905	685	4460	1160	1100	1100	183	2-φ28	2-φ54	2-2"
MACH93.1/554EA MACM70.4/554EA MACL57.8/554EA MACJ58.9/554EA	4775	810	905	685	4460	1160	1100	1100	183	2-φ28	2-φ54	2-2"
MACH54.9/632EA MACM41.3/632EA MACL35.2/632EA MACJ35.3/632EA	2575	865	1215	752	2240	1140	1100		190	φ28	φ54	2-1"
MACH65.1/632EA MACM49.2/632EA MACL40.6/632EA MACJ41.2/632EA	2575	865	1215	752	2240	1140	1100		190	φ28	φ54	2-1"
MACH82.2/633EA MACM62/633EA MACL52.9/633EA MACJ53.1/633EA	3700	865	1215	752	3360	1160	1100		200	2-φ28	2-φ54	2-2"
MACH97.6/633EA MACM73.9/633EA MACL60.8/633EA MACJ61.8/633EA	3700	865	1215	752	3360	1160	1100		200	2-φ28	2-φ54	2-2"
MACH109.5/634EA MACM82.6/634EA MACL70.4/634EA MACJ70.8/634EA	4800	865	1215	752	4460	1160	1100	1100	200	2-φ28	2-φ54	2-2"
MACH130.2/634EA MACM98.6/634EA MACL81/634EA MACJ82.4/634EA	4800	865	1215	752	4460	1160	1100	1100	200	2-φ28	2-φ54	2-2"

选型说明Mode Selection

冷风机所标定的制冷量为名义制冷量，用户应根据所使用的制冷剂、冷间温度及传热温差来合理选型。冷风机实际冷量应根据下式来确定：

$$QR = QN \times A1 \times A2$$

式中：

QR —— 冷风机实际冷量 (kW)

QN —— 冷风机名义冷量 (kW)

A2 —— 制冷剂影响系数 见表2

The capacity specified for the air coolers is nominal. The customer can choose the right model according to their applying condition, the refrigerant, temperature between, temperature differences etc. The real capacity can be got by the equation below:

$$Q_r = Q_n \times A_1 \times A_2$$

note: Q_r —— real capacity (kW)

Q_n —— nominal capacity (kW)

A_1 —— temperature coefficient see table 1

A_2 —— refrigerant coefficient see table 2

温度影响系数A1(表1)

Temperature coefficient A1 (table 1)

传热温差 Heat transfer DT(°C)	库内温度Room temperature(°C)													
	8	5	4	3	2	1	0	-5	-10	-15	-20	-25	-30	-35
5	0.73	0.73	0.71	0.69	0.67	0.65	0.63	0.61	0.6	0.58	0.56	0.55	0.54	0.54
6	0.88	0.88	0.85	0.83	0.8	0.78	0.75	0.73	0.71	0.7	0.68	0.66	0.65	0.65
7	1.03	1.03	1	0.97	0.94	0.91	0.88	0.85	0.83	0.81	0.79	0.77	0.76	0.76
8	1.17	1.17	1.14	1.1	1.07	1.04	1	0.98	0.95	0.93	0.9	0.88	0.87	0.87
9	1.32	1.32	1.28	1.24	1.2	1.16	1.13	1.1	1.07	1.04	1.02	0.99	0.98	0.98
10	1.47	1.46	1.42	1.38	1.34	1.29	1.25	1.22	1.19	1.16	1.13	1.1	1.09	1.09

传热温差(DT) = 库内温度 - 蒸发温度

(DT) = room temperature - evaporation temperature

制冷剂影响系数A2(表2)

Refrigerant coefficient A2 (table 2)

制冷剂 Refrigerant	库内温度Room temperature(°C)													
	8	5	4	3	2	1	0	-5	-10	-15	-20	-25	-30	-35
R22	1	1	1	1	1	1	1	1	1	1	1	1	1	1
R134a	0.98	0.97	0.97	0.97	0.96	0.96	0.96	0.94	0.93	0.91	-	-	-	-
R404A	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05

选型说明Example:

要求冷风机换热量为20kW，库温为-25℃，蒸发温度-32℃，使用制冷剂R22

选型步骤：

1) 计算传热温差：DT = -25 - (-32) = 7℃

2) 根据传热温差7℃及库内温度-25℃，确定温度影响系数A1，查表1，得A1 = 0.77

3) 根据冷风机所使用的制冷剂，确定制冷剂影响系数，查表2，得A2 = 1

4) 确定冷风机的名义换热量

$$QN = QR \div (A1 \times A2) = 20 \div (0.77 \times 1) = 25.97 \text{ (kW)}$$

5) 冷风机选型

根据库内温度-25℃选用片距8.5的冷风机，

根据名义换热量25.97kW可选用冷风机型号为：MACL25.2/454EA

Air cooler for capacity 20KW, room temperature -25℃, evaporating temperature -32℃, refrigerant is R22.

Model Choose Steps:

1) Get heat transfer different temperature: DT = -25 - (-32) = 7℃

2) According to DT = 7℃ and room temperature is -25℃, and get the temperature effect coefficient A1, check table 1, and see A1 = 0.77

3) Get refrigerant coefficient, check table 2, and see A2 = 1.

4) Get the nominal capacity:

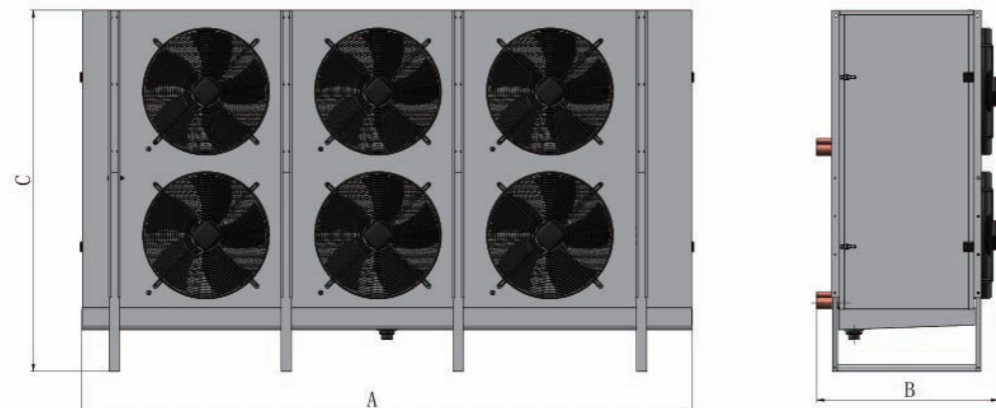
$$QN = QR \div (A1 \times A2) = 20 \div (0.77 \times 1) = 25.97 \text{ (KW)}$$

5) Choose the model

For the room temperature is -25℃, choose the air cooler with 8.5 fin space, and as the 25.97kw nominal capacity, the model can be: MACL25.2/454EA

立式冷风机 Vertical Type Blast Freezing Air Cooler

产品特点Features



该系列冷风机采用Φ16mm铜管顺排，适用于各种采用氟利昂系统的冷库，尤其适合应用于湿度大、结霜严重的鱼类、肉类冷藏库。该系列产品具有如下特点：

- 换热面积大、除湿量小，可降低食品干耗；
- 结霜速度慢，可减少除霜次数，节能并降低运行成本；
- 选用高品质外转子风机，噪声低、运转平稳；
- 外壳采用优质钢板喷塑，耐腐蚀，对于要求较高的场合可采用不锈钢外壳；
- 立式结构，安装使用方便。

Coils with optimized aligning arrangement of Φ16mm coppers and big area, small wet loss, decreasing the food dry loss. It is good for Freon cold rooms, especially good for high humid, heavy frosting fish and meat cold rooms, features below:

With big heat exchanging area, lose less wet, can decrease the food weight loss.

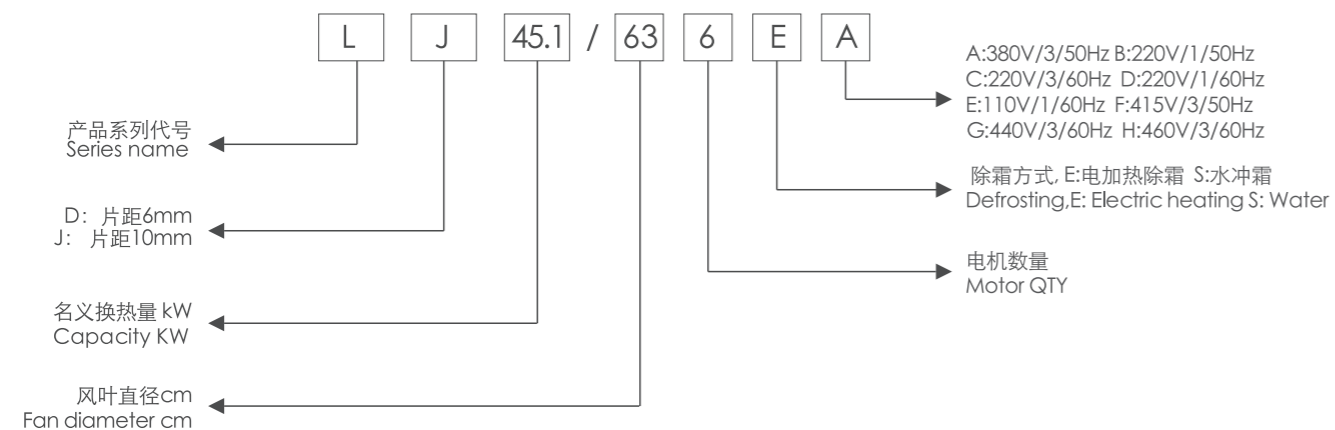
Low frosting speed, decrease defrosting times, and energy and cost decreased.

With external rotor motor fan of low noise, and high stable operation.

Pleasant outlook of high quality corrosion proof steel cabinet, or stainless steel sheet cabinet;

With vertical structure, easy installation and operation.

型号说明Model Code



主要技术参数Specifications

1.LD型冷风机 LD type air cooler

片距6mm, 名义制冷量工况:库温-18℃, 蒸发温度-25℃, DT=7℃, R22

Fin space 6mm, nominal capacity at: Room tem: -18℃, Evaporation Tem: -25℃, DT=7℃, R22

型号 Model	制冷量 Capacity kW	风量 Air flow m3/h	射程 Air Throwm	风机 总功率 Fan Power kW	除霜 功率 Defrost kW	外形及安装尺寸mm Overall size mm			接管管径 Pipe Dia mm		管容积 Pipe Volume dm³	排水管
						A	B	C	进液 Liuqid	回气 Gas		
LD36.9/504EA	36.9	24000	16	2	16.5	1935	824	1685	22	54	47.6	1.5"
LD46.8/504EA	46.8	24000	14	2	22.5	1935	924	1685	22	54	63.4	1.5"
LD56.1/506EA	56.1	36000	16	3	22	2535	824	1685	28	60	66.1	1.5"
LD69.3/506EA	69.3	36000	14	3	30	2535	924	1685	28	60	88.1	1.5"
LD50.1/554EA	50.1	32000	18	3	22	2295	824	1685	22	54	58.7	1.5"
LD61.6/554EA	61.6	32000	16	3	30	2295	924	1685	28	60	78.2	1.5"
LD71/556EA	71	48000	18	4.5	22	2895	824	1685	28	60	77.2	1.5"
LD84.7/556EA	84.7	48000	16	4.5	30	2895	924	1685	28	60	103.0	1.5"
LD60.5/634EA	60.5	40000	20	3.52	24	2295	824	1885	28	60	67.1	1.5"
LD73.7/634EA	73.7	40000	18	3.52	32	2295	924	1885	2-22	2-54	89.4	1.5"
LD89.1/636EA	89.1	60000	20	5.28	24	3195	824	1885	2-22	2-54	98.8	2"
LD105.6/636EA	105.6	60000	18	5.28	32	3195	924	1885	2-28	2-60	131.8	2"

2.LJ型冷风机 LJ type air cooler

片距10mm, 名义制冷量工况:库温-33℃, 蒸发温度-40℃, DT=7℃, R22

Fin space 10mm, nominal capacity at: Room tem: -33℃, Evaporation Tem: -40℃, DT=7℃, R22

型号 Model	制冷量 Capacity kW	风量 Air flow m3/h	射程 Air Throwm	风机 总功率 Fan Power kW	除霜 功率 Defrost kW	外形及安装尺寸mm Overall size mm			接管管径 Pipe Dia mm		管容积 Pipe Volume dm³	排水管
						A	B	C	进液 Liuqid	回气 Gas		
LJ18.7/504EA	18.7	24000	16	2	16.5	1935	824	1685	22	54	47.6	1.5"
LJ23.1/504EA	23.1	24000	14	2	22.5	1935	924	1685	22	54	63.4	1.5"
LJ27.5/506EA	27.5	36000	16	3	22	2535	824	1685	28	60	66.1	1.5"
LJ36.3/506EA	36.3	36000	14	3	30	2535	924	1685	28	60	88.1	1.5"
LJ25.3/554EA	25.3	32000	18	3	22	2295	824	1685	22	54	58.7	1.5"
LJ31.5/554EA	31.5	32000	16	3	30	2295	924	1685	28	60	78.2	1.5"
LJ35.2/556EA	35.2	48000	18	4.5	22	2895	824	1685	28	60	77.2	1.5"
LJ43.5/556EA	43.5	48000	16	4.5	30	2895	924	1685	28	60	103.0	1.5"
LJ30.3/634EA	30.3	40000	20	3.52	24	2295	824	1885	28	60	67.1	1.5"
LJ38/634EA	38	40000	18	3.52	32	2295	924	1885	2-22	2-54	89.4	1.5"
LJ45.1/636EA	45.1	60000	20	5.28	24	3195	824	1885	2-22	2-54	98.8	2"
LJ52.8/636EA	52.8	60000	18	5.28	32	3195	924	1885	2-28	2-60	131.8	2"

DHF系列双面侧吹风冷风机 DHF Series Double Side Blowing Air Coolers

产品特点Features

DHF系列双面侧吹风冷风机是一种配套使用于食品操作加工间的库内降温设备，从两面出风，送风柔和。根据适用温度可分为L、D二个系列，分别适用于0℃、-18℃左右的冷库使用。
(适用环境湿度 < 85%，如用于高湿环境请在订货前说明)

该系列产品具有如下特点：

- 外壳采用优质钢板喷塑，也可采用铝镁合金板或不锈钢板，外形美观；
- 盘管采用错排方式，换热效率高；
- 采用外转子电机，双面侧吹风，送风柔和，噪音小；
- 优质不锈钢电加热管均匀分布于盘管中，除霜效果好；

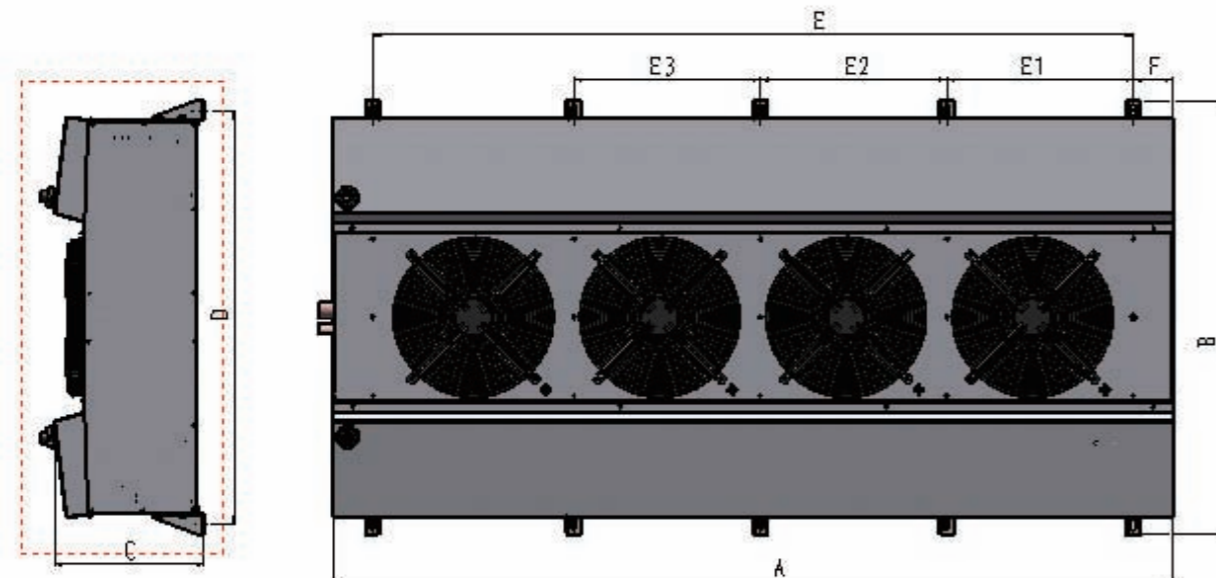
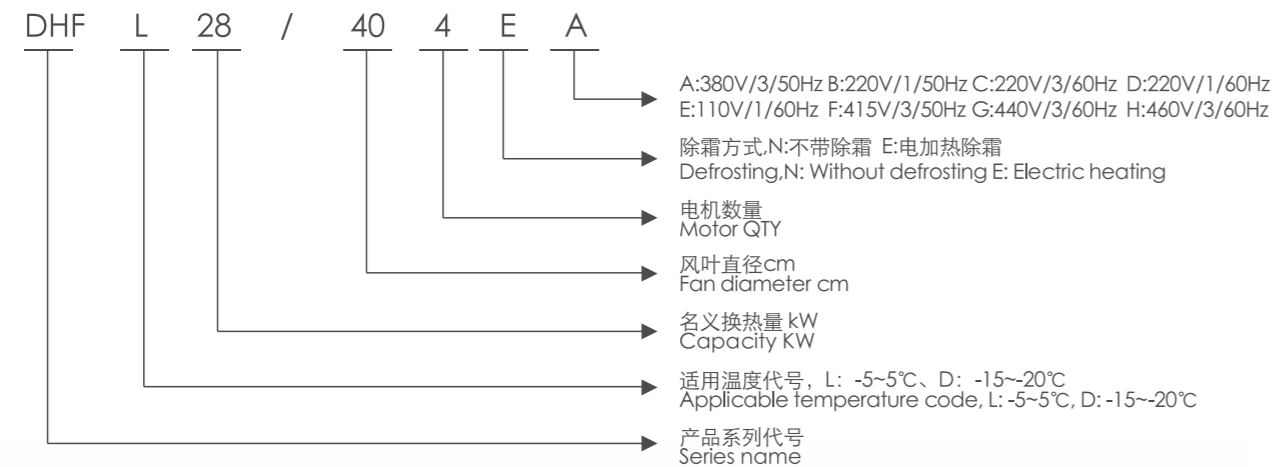
The DHF series of air cooler is specially designed for food processing workshops. Its cooled air blows from double sides, is very gentle. It has L and D sub series of products for 0℃, -18℃ around rooms.

This series products features:

1. Cabinet of steel plate with plastic spray, or ALU and Mg alloy, is pleasant looking.
2. With external rotor fans, double side blowing. The air flow is gentle and quiet.
3. Excellent defrosting by in side evenly arranged stainless steel electrical heaters.



型号说明Model Code



DHF系列双面侧吹风冷风机 DHF Series Double Side Blowing Air Coolers

主要技术参数Specifications

片距 Fin Space: 4.0mm

型号 Model	名义换热量 Capacity kW	面积 Area m ²	管容积 Pipe V dm ³	风机 fan				电融霜 Electrical Defrosting	
				风量 Air flow m ³ /h	直径 Dia. mm	功率 Fan input w	电压 volt v	功率 input kw	电压 volt v
DHFL5.5/401EA	5.5	22.8	5	4000	400	1×195	380	4	220
DHFL7.3/401EA	7.3	30.4	6.8	4000	400	1×195	380	6	220
DHFL10.1/402EA	10.1	42.0	8.8	8000	400	2×195	380	12	220
DHFL13.5/402EA	13.5	56.1	11.8	8000	400	2×195	380	12	220
DHFL16.8/403EA	16.8	70.0	14.4	12000	400	3×195	380	12	220
DHFL21/403EA	21.0	87.6	19	12000	400	3×195	380	12	220
DHFL28/404EA	28.0	116.8	21.2	16000	400	4×195	380	12	220
DHFL33.6/404EA	33.6	140.2	28	16000	400	4×195	380	12	220

说明：名义冷量：库内温度2℃、传热温差8℃。

Note: test condition: room temperature:2℃, temperature difference:8℃

片距 Fin Space: 6.0mm

型号 Model	名义换热量 Capacity kW	面积 Area m ²	管容积 Pipe V dm ³	风机 fan				电除霜 Electrical Defrosting	
				风量 Air flow m ³ /h	直径 Dia. mm	功率 Fan input w	电压 volt v	功率 input kw	电压 volt v
DHFD3.1/401EA	3.1	15.6	5	4000	400	1×195	380	4	220
DHFD4.1/401EA	4.1	20.8	6.8	4000	400	1×195	380	8	220
DHFD5.8/402EA	5.8	28.8	8.8	8000	400	2×195	380	12	220
DHFD7.7/402EA	7.7	38.4	11.8	8000	400	2×195	380	12	220
DHFD9.6/403EA	9.6	48.0	14.4	12000	400	3×195	380	15	220
DHFD12/403EA	12.0	60.0	19	12000	400	3×195	380	15	220
DHFD16/404EA	16.0	80.0	21.2	16000	400	4×195	380	15	220
DHFD19.2/404EA	19.2	96.0	28	16000	400	4×195	380	15	220

说明：名义冷量：库内温度-18℃、传热温差8℃。

Note: test condition: room temperature:2℃, temperature difference:8℃

DH系列冷风机 DH series air cooler

产品特点Features

DH系列冷风机是一种配套于氟利昂制冷机组使用的冷却降温设备，适用于各类菌菇、蔬菜、花卉种植过程中的降温和高温环境的冷却排热。

该系列产品具有如下特点：

- 产品结构紧凑，翅片采用亲水铝箔，片距2.2mm，换热效率高；
- 外壳采用优质钢板，表面喷塑、耐腐蚀、外形美观；
- 盘管采用错排方式，利用机械胀管，使铜管与铝片紧密接合，换热效果好；
- 可根据客户要求采用长距离送风风筒；
- 可根据客户要求采用适用于在高湿度环境下工作的电机；
- 可根据客户要求增加翅片式电加热管加热功能；

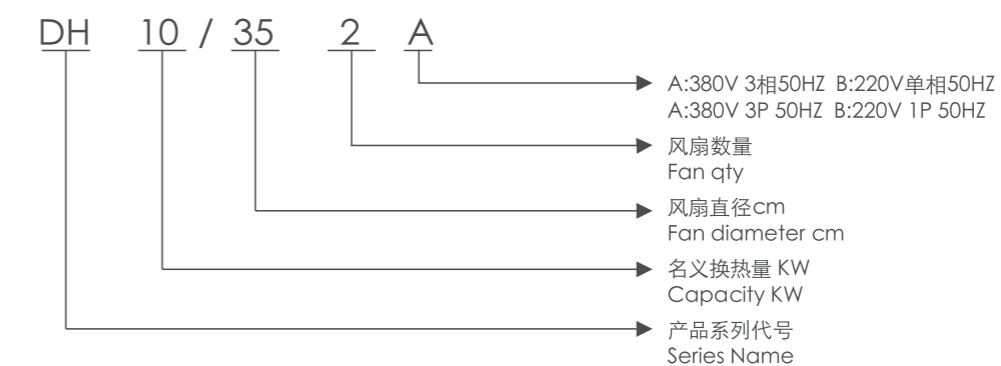
DH series air cooler is specially designed for mushroom, vegetable, and flower cold room.

- With compact structure, 2.2 mm space ALU fins of hydrophilia surface painting, results in high heat exchanging efficiency.
- Cabinet of steel plate with plastic spray, corrosion proof and pleasant looking;
- Stagger arrangement, mechanically expanding of the pipes, resulted in good heat transfer performance.
- Long distance air throw is optional.
- Special motors is optional for high humid ambient.
- Fin type electrical heater is optional

外形及安装尺寸Overall and installing size

型号 Model	外形尺寸oversize (mm)			吊顶安装尺寸installation size (mm)						接口管径 pipe Dia (mm)		排水管 Drainage pipe
	A	B	C	D	E	E1	E2	E3	F	进口 in	出口 out	
DHFL5.5/401EA DHFD3.1/401EA	906	1042	390	990	690	-	-	-	110	φ 12	φ 22	2× 1"
DHFL7.3/401EA DHFD4.1/401EA	906	1162	390	1110	690	-	-	-	110	φ 12	φ 22	
DHFL10.1/402EA DHFD5.8/402EA	1306	1162	390	1110	1040	-	-	-	110	φ 16	φ 28	
DHFL13.5/402EA DHFD7.7/402EA	1306	1162	390	1110	1040	-	-	-	110	φ 16	φ 35	
DHFL16.8/403EA DHFD9.6/403EA	1806	1162	402	1110	1540	500	500	-	110	φ 16	φ 35	
DHFL21/403EA DHFD12/403EA	1806	1162	402	1110	1540	500	500	-	110	φ 16	φ 35	
DHFL28/404EA DHFD16/404EA	2305	1162	477	1110	2040	1000	-	-	110	φ 22	φ 42	
DHFL33.6/404EA DHFD19.2/404EA	2305	1162	477	1110	2040	1000	-	-	110	φ 22	φ 42	

型号说明Model Code

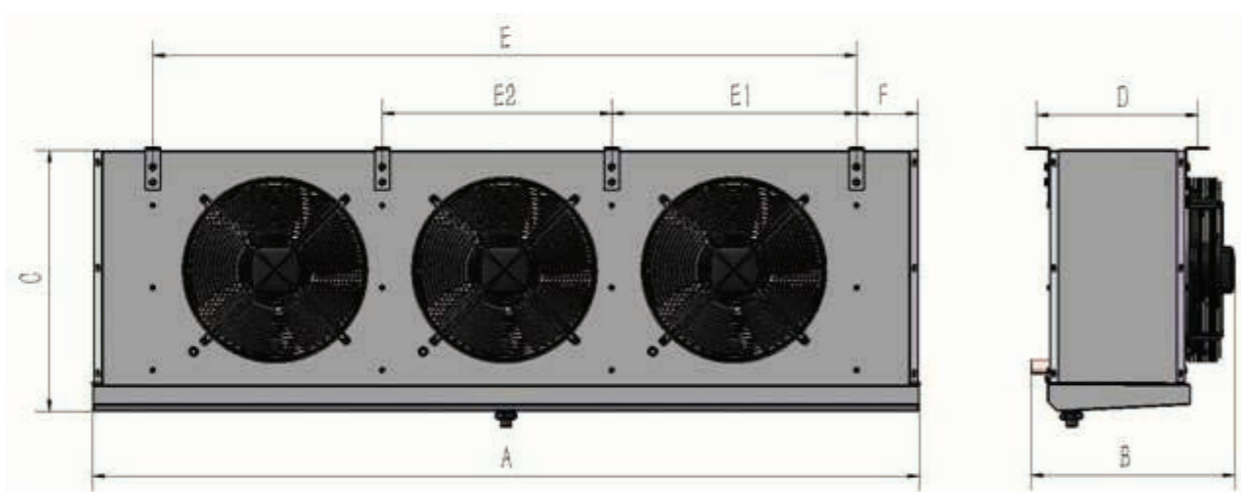


主要技术参数Specification

DH系列冷风机
DH series air cooler

型号 Model	制冷量 Capacity kw DT=8K t0=7°C	风量 Air flow m³/h	射程 Air throw m	风机总功率 Fan W			
	Φ				A	B	C
DH10/352A	10	4500	8	280	1260	515	480
DH13/352A	13	4500	8	280	1560	515	480
DH17.5/402A	17.5	7000	9	390	1620	515	580
DH26 /403A	26	10000	9	585	1920	515	680
DH29/453A	29	13500	9	840	2160	515	680

外形及安装尺寸overall size(mm)					接管管径pipe dia(mm)		排水管 drainage
D	E	E1	E2	F	进液liquid	回气gas	
415	940	-	-	160	φ16	φ28	1"
415	1240	640	-	160	φ16	φ28	1"
415	1300	670	-	160	φ16	φ35	1"
415	1600	560	520	160	φ22	φ35	1"
415	1840	640	600	160	φ22	φ35	1"



EV系列冷柜冷风机

EV Series Showcase Freezer Air Coolers

产品特点Features

EV系列冷柜冷风机是一种配套于氟利昂制冷设备用的冷柜柜内降温设备，可适用于0~8°C的冷柜使用。

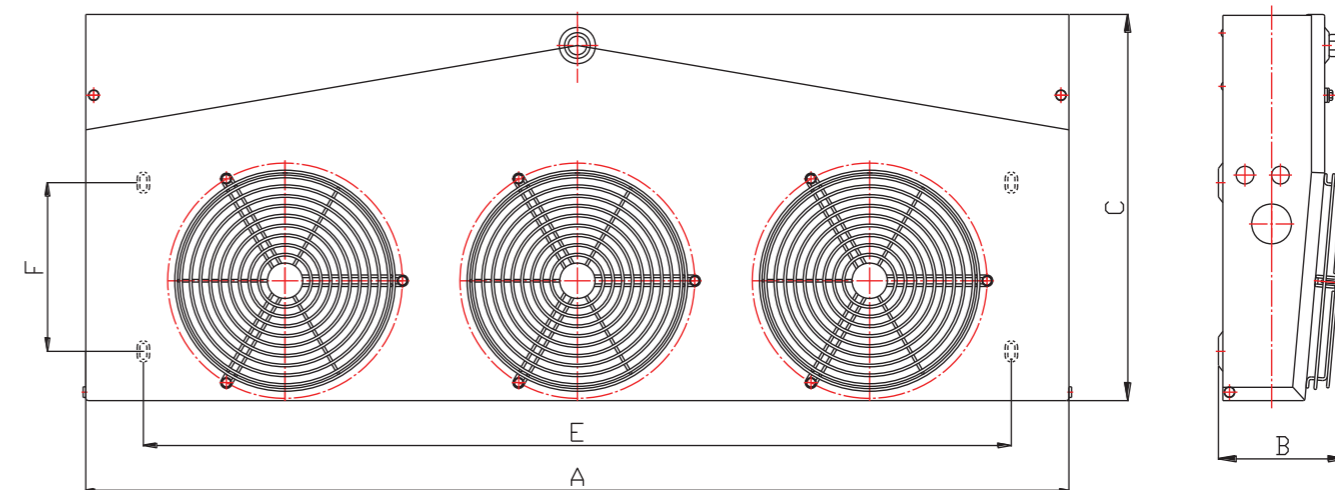
该系列产品具有如下特点：

- 外壳采用铝镁合金板，耐腐蚀、外形美观；
- 盘管采用错排方式、机械涨管与铝片紧密贴合，换热效率高；
- 采用双片距（4.5/9.0）结构；
- 吊顶式安装、水盘方便拆卸、清洗方便；

EV series of air cooler is specially designed for showcase freezers, suitable for temperature of 0~8°C around.

This series products features:

1. Cabinet of ALU and Mg alloy, corrosion proof and pleasant looking.
2. Mechanically expanded pipes with AL fins with good heat transfer performance.
3. Double fin space, 4.5 and 9.0mm structure.
4. Ceiling installing type, the water receiver is easy to dismantle and clean.



主要技术参数Specification

EV系列冷柜冷风机

EV Series Showcase Freezer Air Coolers

型号 Model	名义换热量 Capacity	面积 area	管容积 pipe V	风机 Fan				融霜功率 electrical defrosting
				风量Air flow	直径 Dia.	功率Fan input	电压 Volt	
	kW	m ²	dm ³	m ³ /h	mm	w	v	kW
EV-40	0.3	1.4	0.33	410	200	1×40	220	0.3
EV-60	0.4	2.3	0.48	410	200	1×40	220	0.3
EV-100	0.63	2.4	0.54	820	200	2×40	220	0.5
EV-130	0.85	3.8	0.8	820	200	2×40	220	0.5
EV-180	1.28	4.8	1.07	1230	200	3×40	220	1.0
EV-290	1.76	7.7	1.61	1230	200	3×40	220	1.0
EV-380	2.2	9.4	1.96	1640	200	4×40	220	1.0

说明:名义冷量:柜内温度0℃、传热温差8℃

Note: test condition: room temperature:0℃, temperature difference:8℃

风冷冷凝器系列

Air Cooled Condenser Series

产品特点Features

风冷冷凝器是一种配套于氟里昂制冷设备用的利用空气进行冷却的散热设备。我公司生产的风冷冷凝器主要有三种形式: FN型、FNV和FNP型, FN型采用侧吹风的形式, FNV和FNP型采用顶吹风的形式。

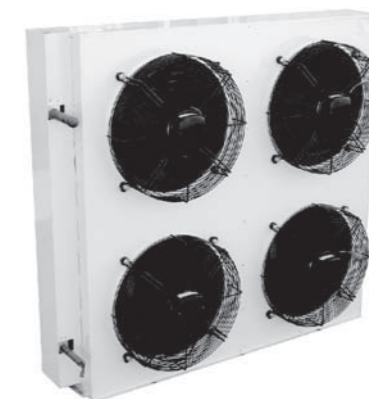
该系列产品具有如下特点:

- 外壳采用优质钢板, 表面喷塑、耐腐蚀、外形美观;
- 盘管采用铜管错排方式, 利用机械胀管, 使铜管与铝片紧密结合, 换热效果好;
- 产品经过2.8MPa的气密性试验及系统排污处理;
- 可适用于R22、R134a、R404A、R407C等制冷剂;
- FNV型冷凝器具有迎风面大, 换热效果好, 均配用外转子电机, 可广泛配套于较大的冷凝机组中使用;

We have FN, FNV and FNP 3 sub series of air cooled condensers products. FN is side air blow type, and FNV and FNP are the top air blow type.

This series products features:

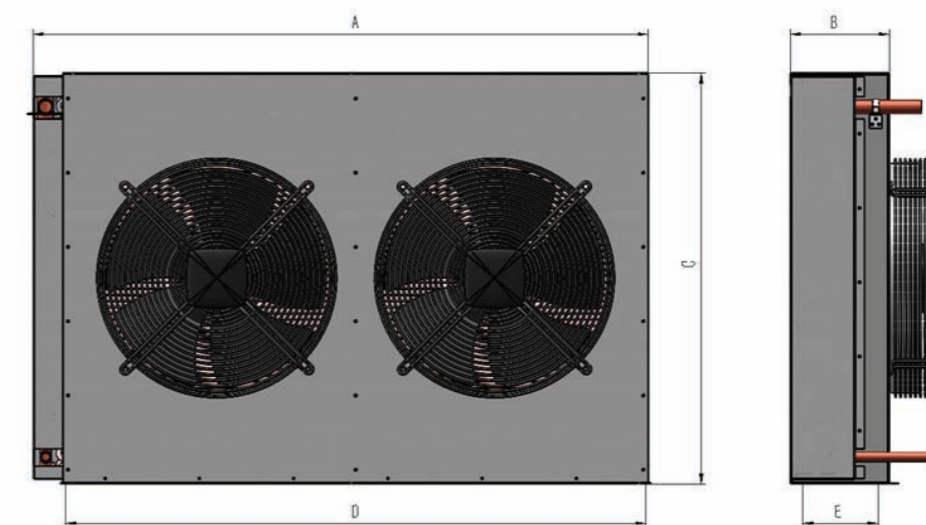
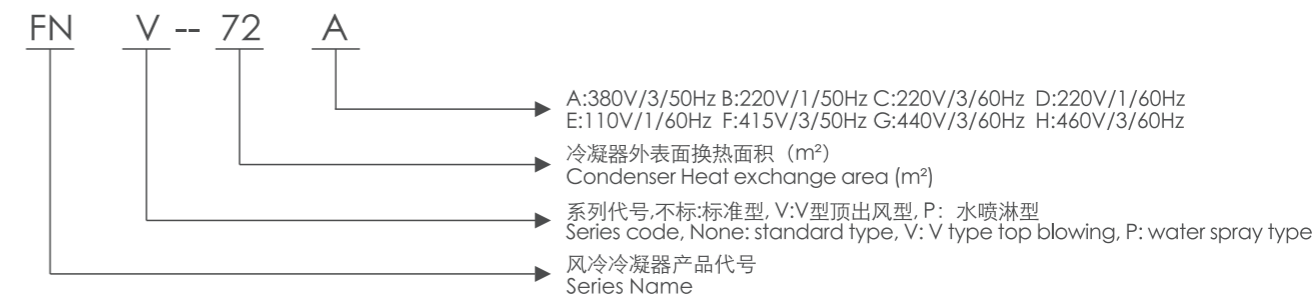
- Cabinet is steel plate with plastic spray, corrosion proof and pleasant looking.
- Mechanically expanded pipes with AL fins good heat transfer performance.
- 2.8MPa gas pressure tested pollution clear is done before delivery.
- Suitable for refrigerants of R22, R134a, R404A, R407C etc.
- With external fans, good heat transfer effect, the FNV is suitable for big capacity units.



外形及安装尺寸: Overall and installing size

型号 Model	外形及安装尺寸(Overall and installing size)mm					接口管径(pipe dia) mm		排水管 drainage
	A	B	C	E	F	进口 in	出口 out	
EV-40 EV-60	410	152	435	280	190	φ9.52	φ9.52	1"
EV-100 EV-130	610	152	435	480	190	φ9.52	φ9.52	
EV-180 EV-290	1110	152	435	980	190	φ12	φ16	
EV-380	1380	152	435	1245	190	φ12.7	φ16	

型号说明Model Code



风冷冷凝器系列

Air Cooled Condenser Series

主要技术参数 Specifications

FN标准型
FN standard Type

型号 Model	名义排热量 Capacity Kw	换热面积 area m ²	配用 风机 Fan				接口管径 Fan		外形尺寸 Overall size (mm)	安装尺寸 installation size (mm)		
			功率 Fan input (w)	直径 Dia. (mm)	总风量 Air flow (m ³ /h)	电压 Volt (v)	进口 in	出口 out		A×B×C	D	E
FN-2B	0.6	2	1×40	200	410	220		φ10	φ10	320×100×230	270	65
FN-3.4B	1.0	3.4	1×40	200	410	220		φ12	φ12	320×100×230	270	65
FN-4.4B	1.3	4.4	1×60	250	750	220		φ12	φ12	370×100×280	325	65
FN-5.4B	1.6	5.4	1×75	300	1350	220		φ12	φ12	440×100×330	392	65
FN-7.0 B	2.0	7.0	1×90	300	1350	220		φ12	φ12	440.×130×340	390	90
FN-8.4A	2.3	8.4	1×150	350	3100	380		φ16	φ12	500×130×430	455	95
FN-11.5A	3.5	11.5	1×150	350	3100	380		φ16	φ12	480×180×430	430	145
FN-15A	4.4	15	1×150	350	3100	380		φ16	φ12	550×180×480	490	145
FN-18A	5.2	18	1×180	400	4500	380		φ19	φ16	590×180×530	530	140
FN-22A	6.4	22	1×180	400	4500	380		φ19	φ16	590×180×530	530	140
FN-25A	8.1	25	1×180	400	4500	380		φ19	φ16	720×180×580	660	150
FN-21A	6.1	21	2×90	300	2700	380		φ16	φ12	840×180×430	790	140
FN-28A	8.2	28	2×150	350	6200	380		φ19	φ16	900×180×430	840	145
FN-33A	11.2	33	2×150	350	6200	380		φ19	φ16	900×200×480	840	130
FN-36A	12.6	36	2×180	400	9000	380		φ19	φ16	1015×180×580	950	150
FN-43A	14.8	43	2×180	400	9000	380		φ22	φ16	1015×180×680	950	150
FN-48A	17.5	48	2×180	400	9000	380		φ22	φ16	1250×200×630	1172	120
FN-55A	19.2	55	2×180	400	9000	380		φ22	φ19	1250×200×730	1172	120
FN-70A	20.5	70	2×250	450	10360	380		φ28	φ19	1250×200×830	1172	120
FN-80A	24.4	80	2×250	450	10360	380		φ28	φ19	1250×200×830	1172	120
FN-100A	29.6	100	4×180	400	18000	380		φ28	φ22	1250×200×1130	1172	120
FN-130A	38.2	130	4×180	400	18000	380		φ28	φ22	1250×200×1380	1172	120
FN-150A	47.2	150	4×180	400	18000	380		φ28	φ22	1315×250×1330	1240	200
FN-180A	54	180	4×180	400	18000	380		φ35	φ22	1325×270×1330	1240	220

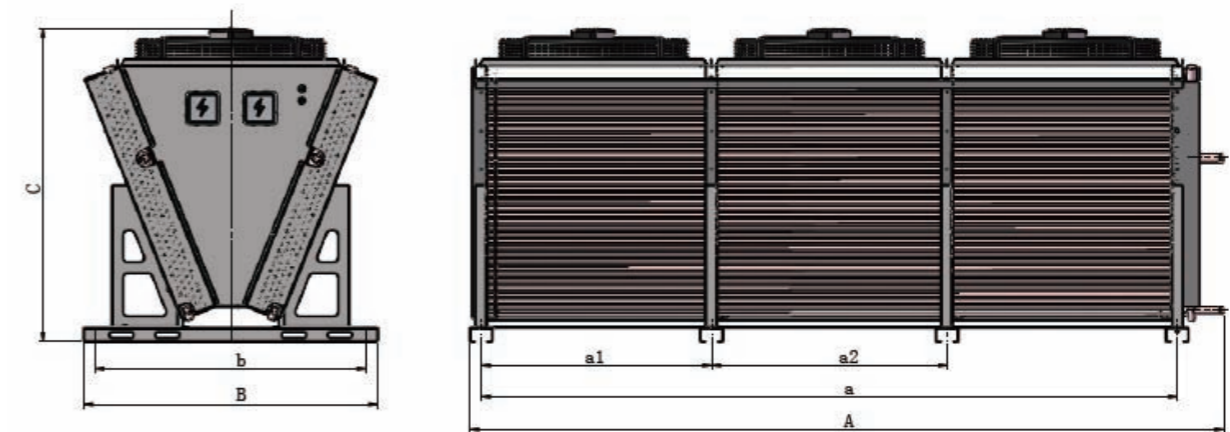
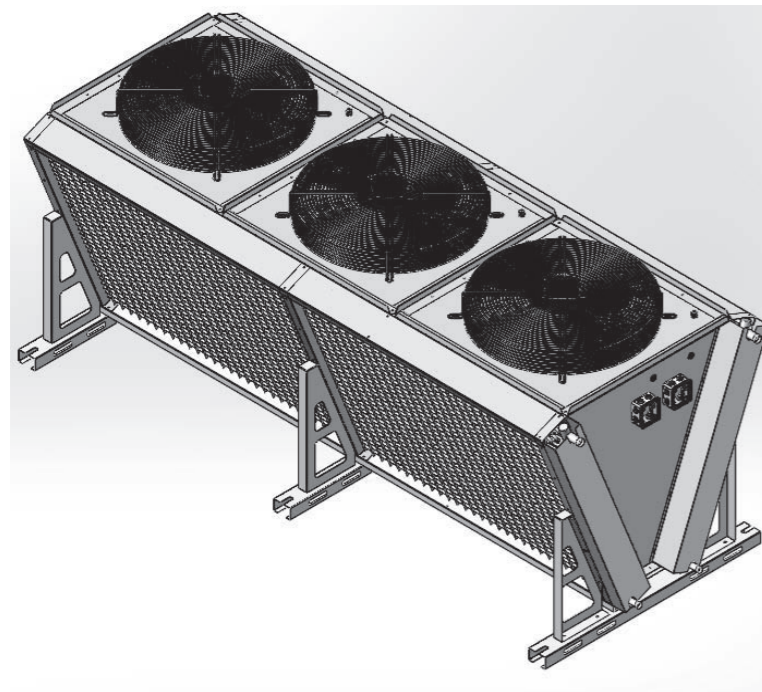
风冷冷凝器系列

Air Cooled Condenser Series

主要技术参数 Specifications

FNV型冷凝器
V type condenser

型号 Model	名义排热量 Capacity Kw	面积 area m ²	风机 Fan				接管规格 Pipe Dia(mm)		外形尺寸 Overall size (mm)			安装尺寸 installation size (mm)				
			功率 Fan input (w)	直径 Dia. (mm)	电压 Volt (v)	风量 Air flow m ³ /h	进口 in	出口 out	A	B	C	a	a1	a2	b	
FNV-72A	21.5	72	1×600	φ550	380	7950		2×φ22	2×φ16	942	980	880	740	/	/	900
FNV-111A	33.5	111	2×600	φ550	380	16200		2×φ22	2×φ16	1542	980	960	1340	/	/	900
FNV-158A	47.5	158	2×600	φ550	380	16200		2×φ22	2×φ16	1542	980	960	1340	/	/	900
FNV-180A	54	180	2×780	φ600	380	20700		2×φ28	2×φ22	1842	980	1100	1640	/	/	900
FNV-219A	65	219	2×780	φ600	380	20300		2×φ28	2×φ22	1842	980	1100	1640	/	/	900
FNV-270A	81	270	3×800	φ630	380	34800		2×φ28	2×φ22	2642	1030	1100	2440	807	826	950
FNV-328A	99	328	3×800	φ630	380	34200		2×φ28	2×φ22	2642	1030	1100	2440	807	826	950
FNV-383A	115	383	3×800	φ630	380	34800		2×φ28	2×φ22	3042	1030	1100	2840	940	960	950
FNV-455A	137	455	4×800	φ630	380	45600		2×φ35	2×φ28	3246	1030	1200	3040	1520	1520	950
FNV-570A	171	570	4×800	φ630	380	44000		2×φ35	2×φ28	3246	1030	1200	3040	1520	1520	950



风冷冷凝器系列

Air Cooled Condenser Series

主要技术参数 Specifications

带喷水辅助冷却的FNP型冷凝器
FNP type condenser with water spray

型号 Model	名义排热量 Capacity Kw	面积 area m ²	风机 Fan			接管规格 pipe Dia (mm)			水量 water flow m ³ /h	外形尺寸 Overall size (mm)			安装尺寸 installation size (mm)			
			功率 Fan input W	电压 Volt V	风量 Air flow m ³ /h	制冷剂接口 refrigerant		水接口 water pipe		A	B	C	a	a1	a2	b
						进气口 gas in	出液口 liquid out									
FNP-72A	21.5	72	1×600	380	7950	2×φ22	2×φ16	3/4"	0.6	942	980	880	740	/	/	900
FNP-111A	33.5	111	2×600	380	16200	2×φ22	2×φ16	3/4"	0.6	1542	980	960	1340	/	/	900
FNP-158A	47.5	158	2×600	380	16200	2×φ22	2×φ16	3/4"	0.6	1542	980	960	1340	/	/	900
FNP-180A	54	180	2×780	380	20700	2×φ28	2×φ22	3/4"	0.8	1842	980	1100	1640	/	/	900
FNP-219A	65	219	2×780	380	20300	2×φ28	2×φ22	3/4"	0.8	1842	980	1100	1640	/	/	900
FNP-270A	81	270	3×800	380	34800	2×φ28	2×φ22	1"	1.1	2642	1030	1100	2440	807	826	950
FNP-328A	99	328	3×800	380	34200	2×φ28	2×φ22	1"	1.1	2642	1030	1100	2440	807	826	950
FNP-383A	115	383	3×800	380	34800	2×φ28	2×φ22	1"	1.1	3042	1030	1100	2840	940	960	950
FNP-455A	137	455	4×800	380	45600	2×φ35	2×φ28	1"	1.4	3246	1030	1200	3040	1520	1520	950
FNP-570A	171	570	4×800	380	44000	2×φ35	2×φ28	1"	1.4	3246	1030	1200	3040	1520	1520	950

说明：1、换热量为不带喷水的名义换热热量；2、水压不低于1.5bar。
Note: 1, Capacity is without water spray, 2, water pressure is not less than 1.5bar.

