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ChangZhou Yang Chuan Precision Machinery Co.,LTD
ChangZhou Mammoth International Trading Co.,LTD
Add: LuoYangtown, Changzhou, Jiangsu Province CHINA 213176





About YangChuan

Founded in 2001, Yang Chuan Precision Machinery has grown to be an industry leader. Since our founding, the company has focused on building a reputation for quality, integrity, and reliability.

We are a premier manufacturer of custom-built walk-in temperature-controlled and environmental rooms, a leader in the industry for nearly 20 years.

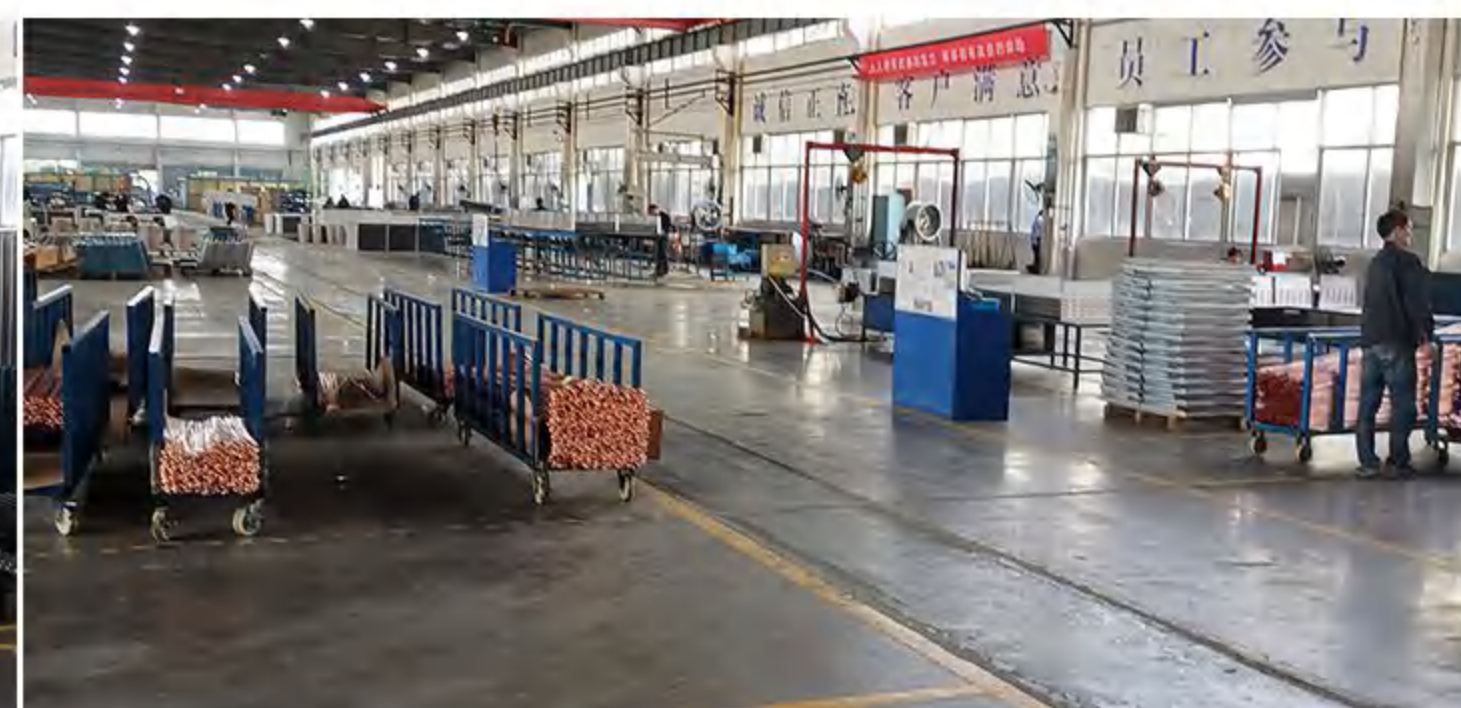
Our goal is to provide our customers with the best product and service possible at a reasonable cost.

Our experience and customized products have enabled us to serve various clients, ranging from large universities to leading pharmaceutical and biotech companies. We are constantly looking to provide a better more efficient product by combining innovation with tried-and-true industry standards.

We understand that it is our relationships with our clients that will allow us to continue to build and strengthen the company. From the design phase of a project to its final turn-over package, our team of experts will listen to and coordinate with you to insure a successful conclusion.



Workshop Show





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夹芯保温板

PUR INSULATION PANEL

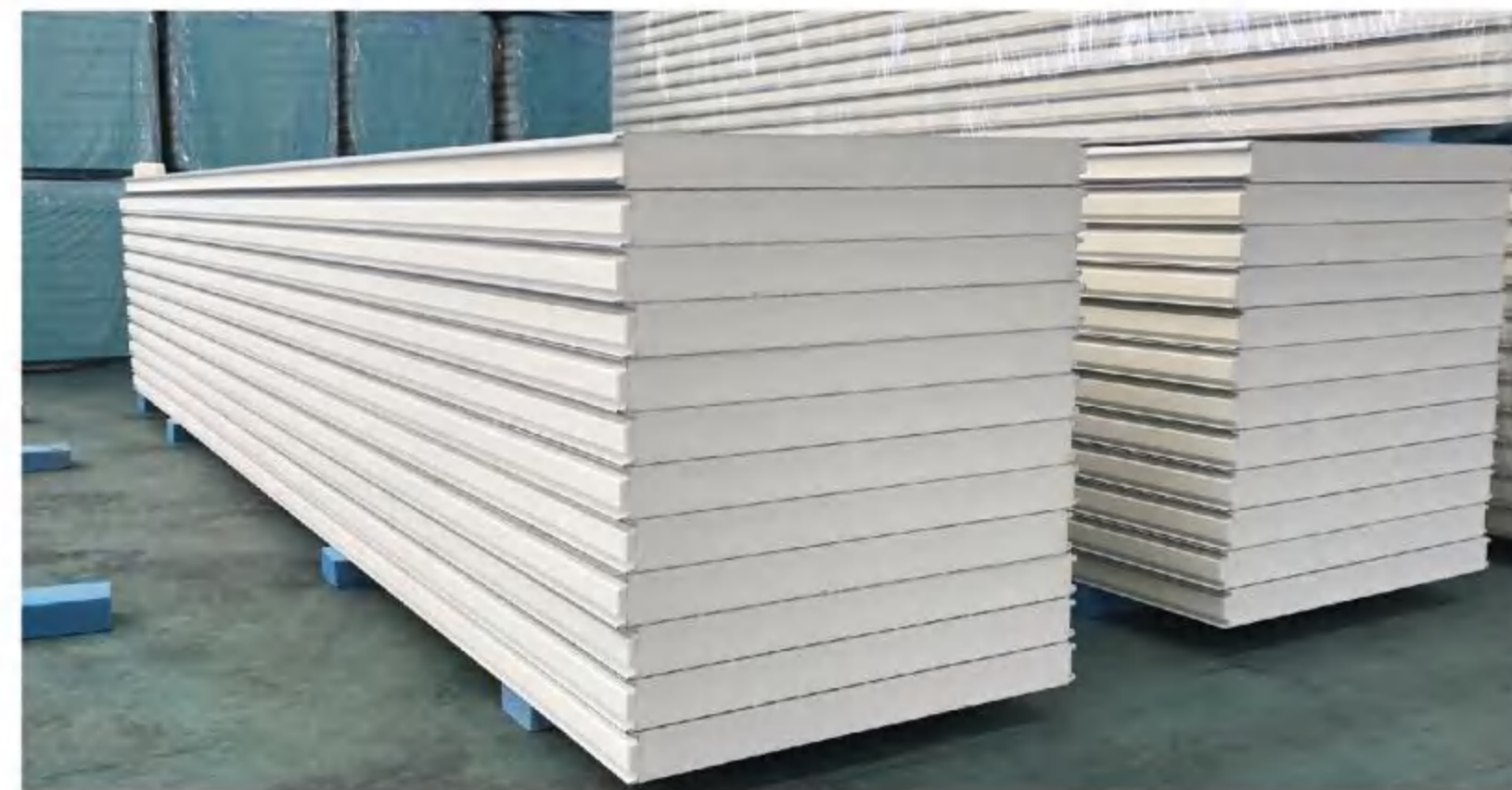
PUR聚氨酯保温板 PUR INSULATION PANEL

PUR聚氨酯保温板芯材是由多异氰酸酯与聚醚型或聚酯型多元醇在一定比例下反应的产物。

PUR夹芯板特性：导热系数低、吸水率低，保温性能好，抗压强度、抗拉强度大，不易变形，广泛用于组合式冷库的维护结构。

The core material of PUR insulation panel is a product of polyisocyanate and polyether type or polyester type polyol in a certain proportion of the reaction.

The features of PUR insulation panel: Good heat conductivity, great water absorption, good in temperature preservation performance, excellent compressive strength and tensile strength, not easy to deformation, it is widely used in maintaining the combination of cold storage structure.



常用PUR板技术标准
The Technical standard of PUR panel

序号 NO.	项目 Item	单位 Unit	技术要求 Tel. requirement
1	密度 Density	kg/m ²	40±2
2	导热系数 Heat conductivity	W/m.k	≤0.024
3	抗压强度 Compressive strength	≥150	≥150
4	燃烧性能 Combustion performance	平均燃烧时间 Average burning time	≤90
		平均燃烧范围 Average burning range	≤50
5	夹芯板芯层与面板粘结强度 The bond strength between sandwich core layer and panel	Mpa	> 0.1
6	剥离性能 Stripping performance	粘结在面材上的芯材 The core material on the surface	应均匀分布 uniform distribution
		每个剥离面的粘结面积 The adhesive area of each stripping surface	≥90%

PIR聚异氰脲酸酯保温板 PIR INSULATION PANEL



PIR聚异氰脲酸酯保温板芯材又称聚异三聚氰酸酯泡沫，是异氰酸酯自身的三聚反应产物。

PIR夹芯板特性：相比于PUR夹芯板，PIR的导热系数更低，防火性能更好，越来越多的运用于冷库的维护结构中。

The core material of PIR polyisocyanurate insulation panel also known as cyanuric acid foam, is the product of isocyanate trimerization.

The features of PIR sandwich panel: Compared to PUR sandwich panel, PIR sandwich board is of better heat conductivity, better performance, also more and more used in the maintenance structure of cold storage.

常用PIR板技术标准
The Technical standard of PIR panel

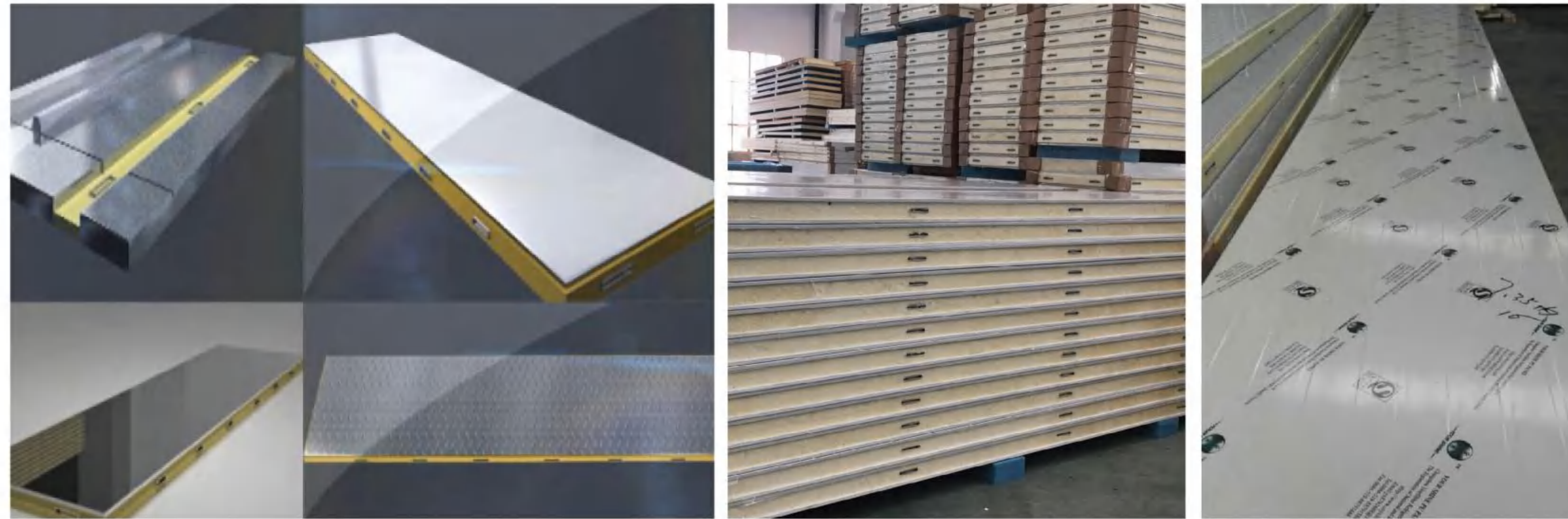
序号 NO.	项目 Item	单位 Unit	技术要求 Tel. requirement
1	密度 Density	kg/m ²	45±2
2	导热系数 Heat conductivity	W/m.k	≤0.022
3	抗压强度 Compressive strength	KPa	≥160
4	燃烧性能 Combustion performance	--	B1级
5	夹芯板芯层与面板粘结强度 The bond strength between core polyurethane and surface steel	Mpa	> 0.1
6	剥离性能 Stripping performance	粘结在面材上的芯材 The core material on the surface	应均匀分布 uniform distribution
		每个剥离面的粘结面积 The adhesive area of each stripping surface	≥90%



偏心钩板 CAM-LOCK PANEL

偏心钩板的结构是用传统模具制作的聚氨酯夹芯板，生产时在模具内预埋偏心钩，偏心钩嵌入芯板四周，方便拼接，一般适用于小型或者中型冷库。

The structure of the panel is a polyurethane sandwich panel made with traditional molds, which is embedded the eccentric hook in the mould around the sandwich panel when produce, convenient assembly, and generally applicable to small or medium-sized cold storage.



偏心钩板技术标准

The technical standard of cam-lock panel

序号 NO.	表面材质 Surface material	保温板厚度 Thickness								表面条纹 Surface streak		
		50 mm	75 mm	100 mm	120 mm	150 mm	175 mm	200 mm	250 mm	平面 Flat	排骨纹 Ribs grain	细纹 Finely-lami- nated
1	彩钢板 (0.326-0.8mm) Colored steel sheet(0.326-0.8mm)	√	√	√	√	√	√	√	√	√	√	√
2	不锈钢 (0.4-0.8mm) Stainless steel sheet(0.4-0.8mm)	√	√	√	√	√	√	√	√	√	√	√
3	压花铝 (0.5-3mm) Embossed aluminum sheet(0.5-3mm)	√	√	√	√	√	√	√	√			
4	镀锌板 (0.5-2mm) Galvanized steel sheet(0.5-2mm)	√	√	√	√	√	√	√	√	√		
5	聚氨酯光板 Polyurethane panel without steel	√	√	√	√	√	√	√	√			

插接板 FAST-FIT(MALE-FEMALE) TYPE PANEL

我司生产的插接式保温板采用国际最先进的全自动连续生产线生产，发泡料在高温环境的双履带机内发泡成型，反应充分，发泡均匀，无气孔，保温性能更好。

Our company adopts the most advanced continuous production line to produce fast-fit panel, the foaming material is made in high temperature environment of the double-belt machine, full reaction, uniform foam, no stoma, and the insulation performance is better.



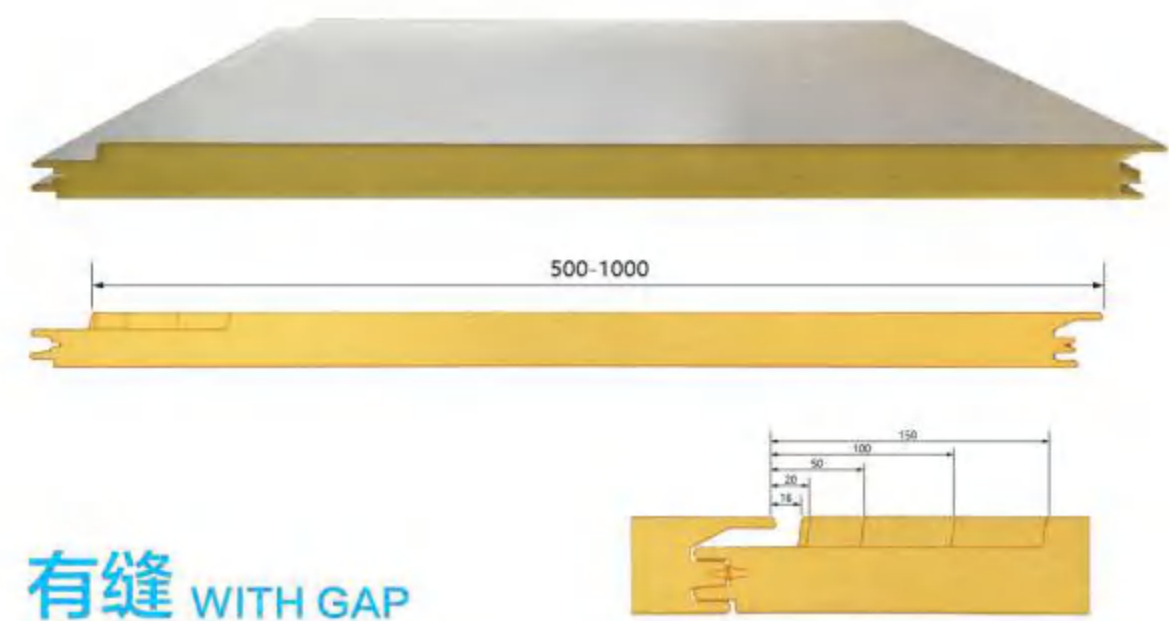
插接板技术标准

The technical standard of Fast-fit(male-female) type panel

序号 NO.	表面材质 Surface material	保温板厚度 Thickness								表面条纹 Surface streak		
		50 mm	75 mm	100 mm	120 mm	150 mm	175 mm	200 mm	250 mm	平面 Flat	排骨纹 Ribs grain	细纹 Finely-lami- nated
1	彩钢板 (0.326-0.8mm) Colored steel sheet(0.326-0.8mm)	√	√	√	√	√	√	√	√	√	√	√
2	不锈钢 (0.4-0.8mm) Stainless steel sheet(0.4-0.8mm)	√	√	√	√	√	√	√	√	√	√	√
3	压花铝 (0.5-3mm) Embossed aluminum sheet(0.5-3mm)	√	√	√	√	√	√	√	√			
4	镀锌板 (0.5-2mm) Galvanized steel sheet(0.5-2mm)	√	√	√	√	√	√	√	√	√		
5	聚氨酯光板 Polyurethane panel without steel	√	√	√	√	√	√	√	√			



外墙板 EXTERIOR WALL PANEL



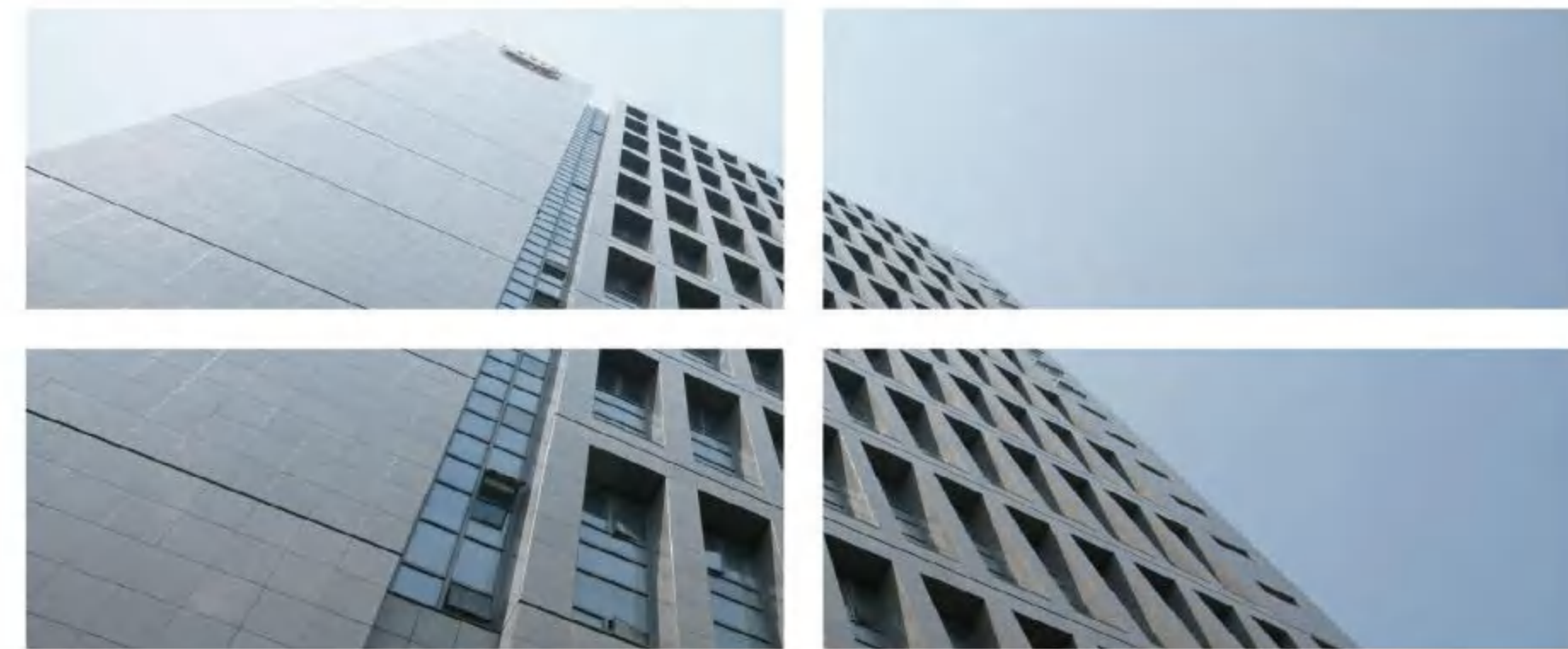
有缝 WITH GAP



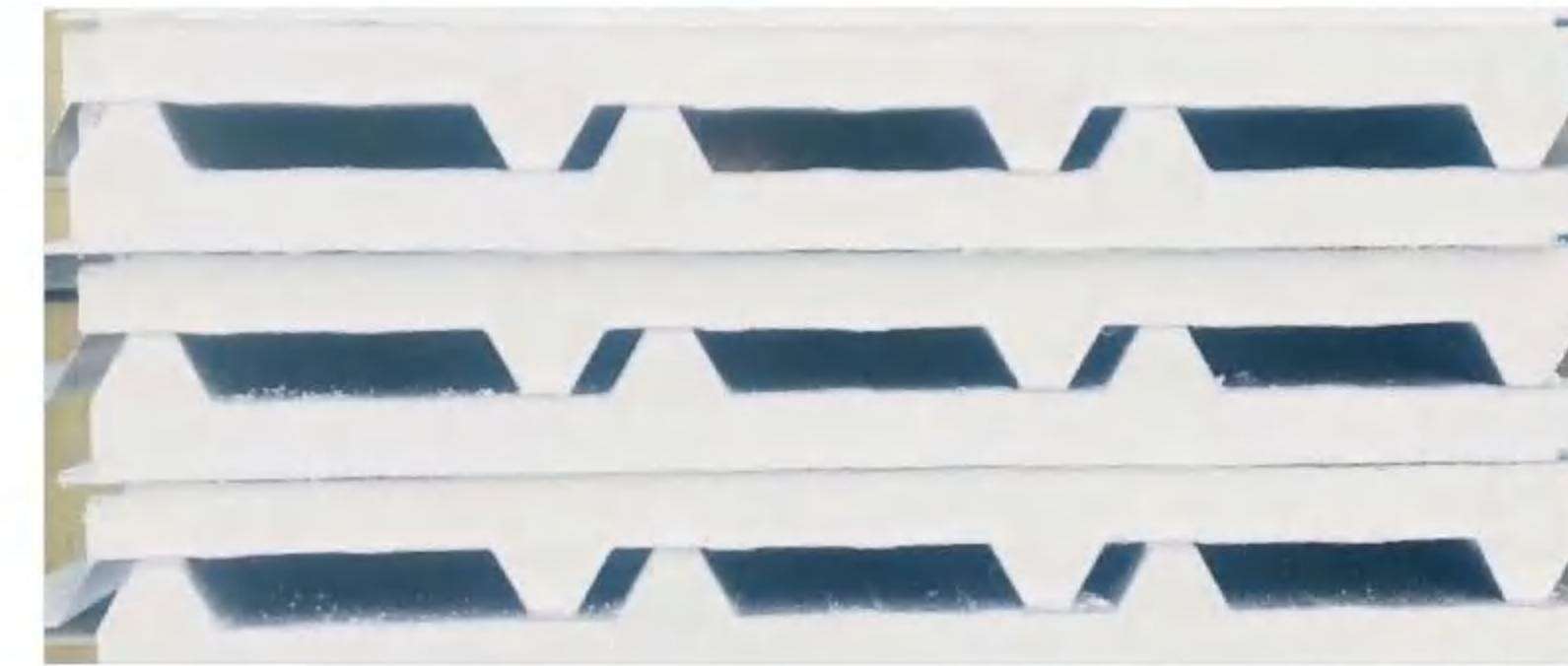
无缝 WITHOUT GAP

PUR\PIR外墙板, 耐火耐热, 尺寸稳定性好, 具有良好的保温节能效果, 将优异的防火性能和良好的节能效果于一身, 适用于外墙保温等诸多领域; 独特的防水设计, 有效防止雨水渗漏, 安装便捷, 外观雅致。

PUR\PIR exterior wall panel, is of heat and fire resistant, dimensionally stable, with good insulation effect, excellent fire performance and good energy saving effect, suitable for many fields such as exterior wall insulation; unique waterproof design, It effectively prevents rainwater from leaking, is easy to install, and has an elegant appearance.

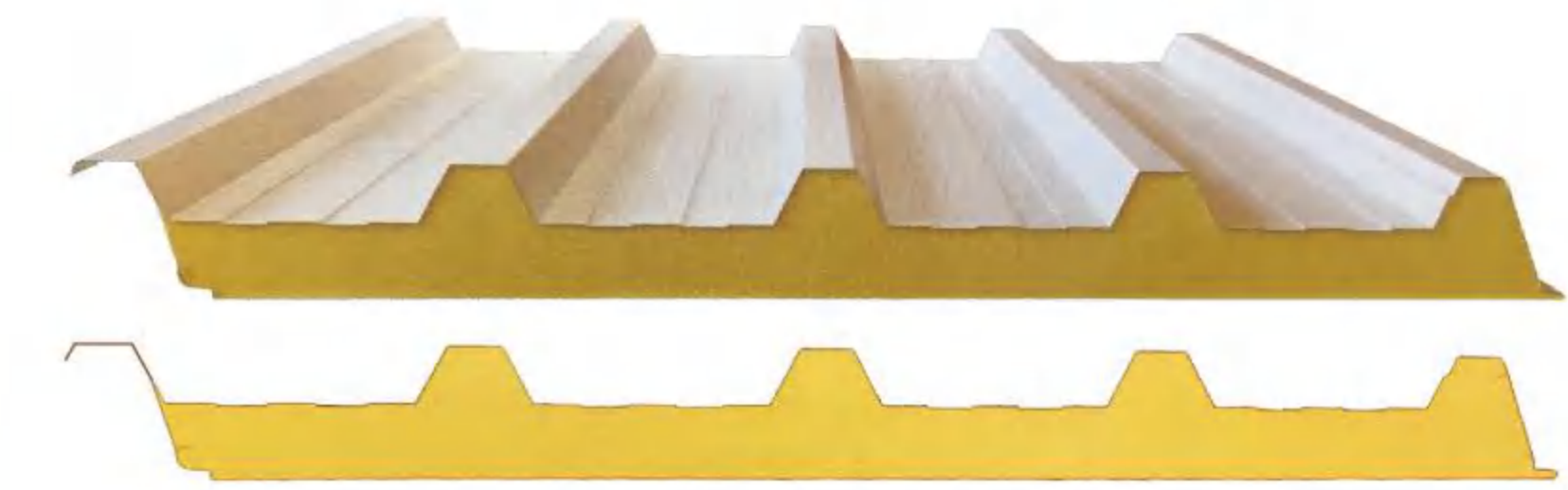


屋面板 POOF PANEL



PUR\PIR屋面板, 采用三波峰设计, 波峰高42mm, 极大提高屋面排水效果和承载力, 在确保建筑物保温效果的同时, 减少屋面檩条使用量, 有效降低建筑成本。

PUR\PIR roof panel is designed with three wave crests, and the height of wave crest is 42mm, which greatly improves the drainage effect and bearing capacity of the roof. While ensuring the thermal insulation effect of the building, it reduces the use of roof purlins and effectively reduces the construction cost.



常用PUR板技术标准
The Technical standard of PUR panel

序号 NO.	项目 Item	单位 Unit	技术要求 Tel. requirement
1	密度 Density	kg/m ²	40±2
2	导热系数 Heat conductivity	W/m.k	≤0.024
3	抗压强度 Compressive strength	≥150	≥150
4	燃烧性能 Combustion performance	平均燃烧时间 Average burning time	≤90
		平均燃烧范围 Average burning range	≤50
5	夹芯板芯层与面板粘结强度 The bond strength between sandwich core layer and panel	Mpa	> 0.1
6	剥离性能 Stripping performance	粘结在面材上的芯材 The core material on the surface	应均匀分布 uniform distribution
		每个剥离面的粘结面积 The adhesive area of each stripping surface	≥90%

常用PIR板技术标准
The Technical standard of PIR panel

序号 NO.	项目 Item	单位 Unit	技术要求 Tel. requirement
1	密度 Density	kg/m ²	45±2
2	导热系数 Heat conductivity	W/m.k	≤0.022
3	抗压强度 Compressive strength	KPa	≥160
4	燃烧性能 Combustion performance	--	B1级
5	夹芯板芯层与面板粘结强度 The bond strength between sandwich core layer and panel	Mpa	> 0.1
6	剥离性能 Stripping performance	粘结在面材上的芯材 The core material on the surface	应均匀分布 uniform distribution
		每个剥离面的粘结面积 The adhesive area of each stripping surface	≥90%

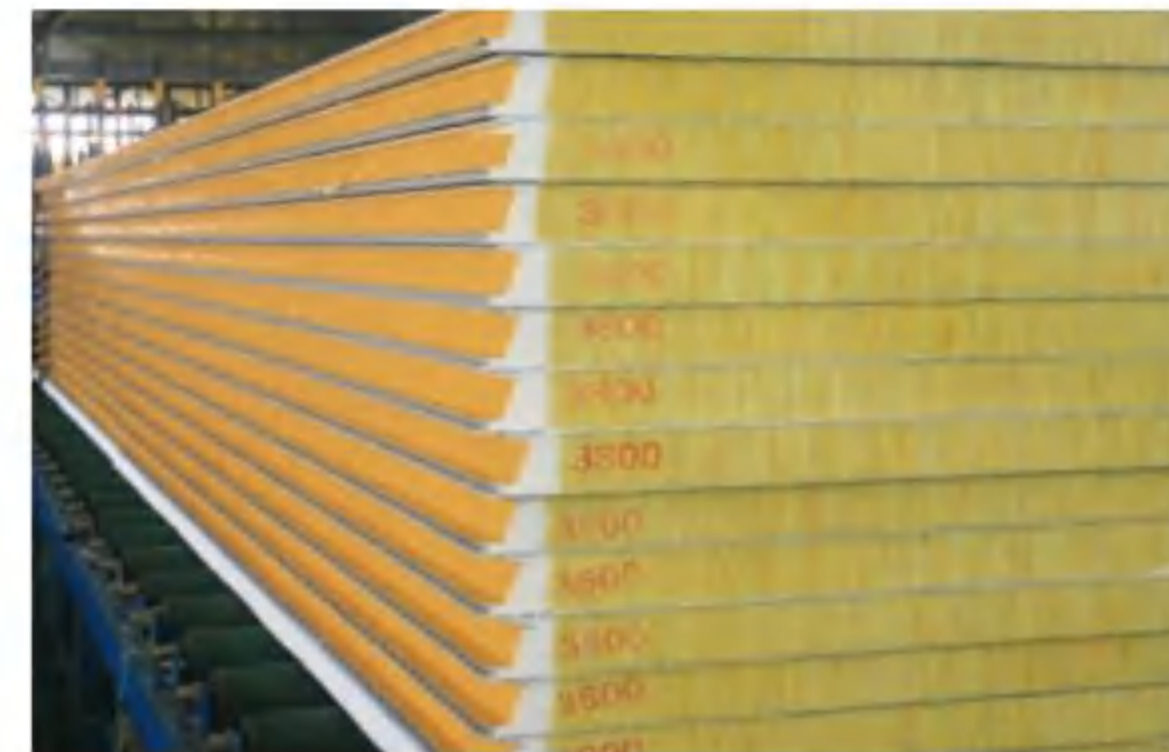


岩棉板 ROCK WOOL PANEL



岩棉防火板采用天然岩石生产的岩棉为芯材，属于不燃材料，达到A级防火，火灾时不产生有毒烟气和熔融滴落物，应用于建筑系统中形成一道防火屏障，有效阻断火焰蔓延，最大限度降低火灾损失；高容重芯材（岩棉芯材容重 $\geq 120\text{kg/m}^3$ ）使保温性能更佳。

The rock wool fireproof panel adopts rock wool produced by natural rock as the core material, which belongs to non-combustible material and achieves Class A fireproof. It does not produce toxic fumes and molten drippings during fire, and is applied to the building system to form a fire barrier, effectively blocking The flame spreads to minimize the loss of fire; the high-capacity heavy core material (rock wool core material density $\geq 120\text{kg/m}^3$) makes the insulation performance better.



常用岩棉板技术标准

The Technical standard of Rock wool panel

序号 NO.	项目 Item	单位 Unit	技术要求 Tel. requirement
1	密度 Density	kg/m^3	120 ± 3
2	导热系数 Heat conductivity	W/m.k	≤ 0.04
3	抗压强度 Compressive strength	KPa	≥ 100
4	燃烧性能 Combustion performance	--	A级
5	夹芯板芯层与面板粘结强度 The bond strength between sandwich core layer and panel	Mpa	>0.1
6	剥离性能 Stripping performance	粘结在面材上的芯材 The core material on the surface	应均匀分布 uniform distribution
7		每个剥离面的粘结面积 The adhesive area of each stripping surface	$\geq 90\%$

产品展示 PRODUCT DISPLAY

AS电动平移门 AS ELECTRIC SLIDING DOOR

概述：AS系列电动平移门，采用同步电机控制系统，能够精准控制门体的各种动作状态，保障门体流畅运行。

使用环境：适用于库房温度 -60°C -- 120°C 冷藏库、冷冻库、高温库等。

Summary: AS electric sliding door, using the synchronous motor control system, can accurately control the action of door to ensure the door run smoothly.

Applicable environment : -60°C -- 120°C cold storage, freezer , high temperature warehouse...



结构特点

The features of electric sliding door's structure

门体 Door panel	全封闭无框架结构，板材采用不锈钢或彩钢板，门体四周圆弧处理。 Fully enclosed without frame structure, the panel is made of stainless steel sheet or colored steel sheet. do arc processing around the door.
门框 Door frame	采用铝合金或C型钢上包制不锈钢，外观整洁大方，经久耐用，克服了木质门框易腐烂的现象。 Made of aluminum alloy or C steel enveloped by stainless steel, it is tidy in appearance and durable, the disadvantage of corrosion against wooden door frame is conquered.
导轨装置 Guide rail device	铝合金制作导轨，其内有导向轮装置与压紧轮装置配合动作，使门在开启时与门框分离，在关闭时向门框与地坪压紧。 Made of aluminum alloy, its guides wheel device acts together with compression wheel device so that the door can separate with door frame when opening and press against door frame and floor when closing.
电控系统 Electric control system	采用日本原装松下变频器，保证了电动系统的可靠性，无限控制器，红外线报警系统程序设计，各种触发状态对应不同的相应情况，使门的控制达到完美的效果。 Adopt original Panasonic frequency converter to ensure the reliability of electric control system, wireless controller and infrared alarm system will activate difference responses pursuant to different circumstances to achieve better control to the door.
密封条 Sealing string	耐低温、耐油、高弹力的三元乙丙材料。 Low temperature resistance, oil resistance, made of high elastic EPDM.
加热丝 Heating wire	自动恒温220V或36V低压加热带。 Automatic constant temperature 220V or 36V low voltage heating zone.
五金配件 Fittings	库门金属件均为不锈钢高精度材质。 The metal parts of door panel are of high precision stainless steel material.



LS手动平移门 LS MANUAL SLIDING DOOR

概述：LS系列平移门选材合理，结构简单，外表修饰美观，内部聚氨酯整体发泡，门内有逃生安全装置，安全实用。

使用环境：适用于库房温度-60℃ -- 120℃冷藏库，冷冻库，高温库等。

Summary: LS manual sliding door, it is reasonable material selection, simple in structure, delicate in appearance, with integrated foaming of internal polyurethane foam, the door is with escape and safety devices, it is safe and practical.

Applicable environment : - 60 ℃ -- 120 ℃ cold storage, freezer , high temperature warehouse...



结构特点

The features of manual sliding door's structure

门体 Door panel	全封闭无框架结构，板材采用不锈钢或彩钢板。 Fully enclosed without frame structure, the panel is made of stainless steel sheet or colored steel sheet. do arc processing around the door.
门框 Door frame	采用铝合金或C型钢上包制不锈钢，外观整洁大方，经久耐用，克服了木质门框易腐烂的现象。 Made of aluminum alloy or C steel enveloped by stainless steel, it is tidy in appearance and durable, the disadvantage of corrosion against wooden door frame is conquered.
导轨装置 Guide rail device	铝合金制作导轨，其内有导向轮装置与压紧轮装置配合动作，使门在开启时与门框分离，在关闭时向门框与地坪压紧。 Made of aluminum alloy, its guides wheel device acts together with compression wheel device so that the door can separate with door frame when opening and press against door frame and floor when closing.
密封条 Sealing string	耐低温，耐油，高弹力的三元乙丙材料。 Low temperature resistance, oil resistance, made of high elastic EPDM.
加热丝 Heating wire	自动恒温220V或36V低压加热带。 Automatic constant temperature 220V or 36V low voltage heating zone.
五金配件 Fittings	库门金属件均为不锈钢高精度材质。 The metal parts of door panel are of high precision stainless steel material.

PH半埋门 SEMI-EMBEDDED DOOR (SWING DOOR)

概述：PH系列半埋门，特点是门体一半镶嵌在门框中，密封、隔热最为优越。

使用环境：-45℃--+50℃的小型冷藏库、冷冻库。

Summary: PH semi-embedded door, Half of the door embedded in the door frame, the air-tightness and insulation performance is excellent.

Applicable environment : -45 ℃ -- 50 ℃ small cold storage, freezer, etc.



全埋回归门 FLY-BACK DOOR

概述：PH系列半埋门，特点是门体一半镶嵌在门框中，密封、隔热最为优越。

使用环境：-45℃--+50℃的小型冷藏库、冷冻库。

Summary: PH semi-embedded door, Half of the door embedded in the door frame, the air-tightness and insulation performance is excellent.

Applicable environment : -45 ℃ -- 50 ℃ small cold storage, freezer, etc.



结构特点

The features of Semi-embedded door's structure

门体 Door panel	塑料型材与面板组合成外壳，内部聚氨酯发泡成型，无冷桥，保温性能极好。 The plastic material and panel combine the shell, with integrated foaming of polyurethane, without the cold bridge, the heat preservation performance is extremely good.
门框 Door frame	配自限温电热带，不需要温控或开关控制。 Fitted with ecectric heating string for self-temperature control, there is no need to mount temperature control or manual switch power source.
密封条 Sealing string	柔韧塑料内置磁性条，能很好弥补因制造引起的小许误差，密封性很好。 Flexible plastic built-in magnetic strips, can make up the small error caused by manufacturing, the air-tightness is very good.
五金配件 Fittings	采用不锈钢或高强度镀锌材料。 Used stainless steel or good galvanized material.
逃生装置 Escape device	门锁内侧配置逃生锁。 with escape and safety devices.



自由门 FREE-STYLE DOOR



概述：自由门采用可调节式弹簧铰链，结构坚固，调节方便，门体转动灵活。

使用环境：一般位于货物通道处。

Summary: Spring free-style door adopt adjustable spring hinge, firm in structure, convenient adjustment, flexible rotation body at the door.

Applicable environment : Commonly used in the goods channel.

结构特点

The features of Free-style door's structure

门体 Door panel	门体采用SUS304不锈钢与聚氨酯发泡成型，厚度薄，质量轻，运行平滑。 The door panel is made of SUS304 stainless steel and and form with the polyurethane foam, thin thickness, light weight, runs smoothly.
门框 Door frame	采用工程塑料制作门框，内置PTC发热丝，可使用于中温冷藏间。 The door frame is made of engineering plastic, built-in PTC heating wire, can be used in medium temperature of cold storage.
密封条 Sealing string	采用三元乙丙制作，插槽接口，无需禁锢件，易更换。 Made of EPDM material, it is slot interface, without imprisonment, easy to replace.
五金配件 Fittings	采用不锈钢或高强度镀锌材质。 Used stainless steel or good galvanized material.

洁净门 CLEAN DOOR



概述：洁净门，不锈钢材质外框，内聚氨酯发泡而成，外观美观，容易擦洗，不锈钢材质符合净化环境要求。

使用环境：加工车间或洁净车间。

Summary: Clean door adopt adjustable spring hinge, firm in structure, convenient adjustment, flexible rotation body at the door.

Applicable environment : Commonly used in the goods channel.

结构特点

The features of Clean door's structure

门体 Door panel	门体采用SUS304不锈钢，内聚氨酯发泡，具有保温功能。 The door panel is made of SUS304 stainless steel and polyurethane foam forming, with good insulation function.
门框 Door frame	不锈钢包裹门洞，坚固耐用，容易保持清洁卫生。 Stainless steel wrapped doors, durable, easy to keep clean.
密封条 Sealing string	采用硅橡胶制作，形状窄小，与门框的接触面积小，不易积聚杂物、异物。 Adopt silicon rubber production, the shape is narrow, and the frame of the contact area is small, not easy to accumulate things.
五金配件 Fittings	采用不锈钢或高强度镀锌材质。 Used stainless steel .



吊顶式冷风机 Ceiling type unit cooler



吊顶式冷风机 Ceiling type unit cooler



电化霜 Electric Defrost

KUDL吊顶高温型冷风机技术参数 Technical data of KUDL series (high temperature)

片距 fin space: 4.5mm

型号 Model	制冷量 Capacity (kW)	冷却面积 Surface (m ²)	风机 Fan						融霜加热管 Defrost heater			备注 Remark
			数量 Qty	直径 Φ (mm)	风量 Air flow (m ³ /h)	风压 Air pressure (pa)	射程 Air Throw (m)	功率 Power (W)	盘管 Coil (kW/支)	水盘 Drip pan (kW)	电压 Voltage (V)	
KUDL016-E2C	3.2	16	2	300	2×1563	90	10	2×75	0.36×4	0.36×2	380	可进行非标设计
KUDL020-E2C	4.1	20	2	300	2×1563	90	10	2×75	0.37×4	0.37×2	380	
KUDL030-E2C	6.1	30	2	350	2×2290	90	10	2×140	0.46×4	0.46×2	380	
KUDL040-E2C	8.0	40	2	350	2×2290	90	10	2×140	0.49×6	0.49×2	380	
KUDL060-E2C	11.2	60	2	400	2×3400	90	13	2×180	0.51×6	0.51×2	380	
KUDL080-E2C	16.2	80	2	500	2×6570	90	15	2×450	0.61×6	0.61×2	380	
KUDL105-E2C	21.5	105	2	500	2×6570	90	15	2×450	0.81×6	0.81×2	380	
KUDL135-E3C	27.6	135	3	500	3×6570	90	15	3×450	0.83×6	0.83×4	380	
KUDL160-E3C	32.8	160	3	500	3×6570	90	15	3×450	1.0×6	1.0×4	380	
KUDL185-E4C	37.6	185	4	500	4×6570	90	15	4×450	1.1×6	1.1×4	380	
KUDL210-E4C	42.7	210	4	500	4×6570	90	15	4×450	1.1×8	1.1×4	380	
KUDL260-E3C	52.9	260	3	550	3×8720	90	15	3×600	1.2×12	1.2×4	380	
KUDL330-E4C	67.6	330	4	550	4×8720	90	15	4×600	1.1×14	1.1×4	380	
KUDL400-E4C	82.0	400	4	600	4×10820	120	15	4×780	1.3×14	1.3×4	380	
Remark	库温 Cold room temp. 0°C; Δt=8°C											

KUDD吊顶中温型冷风机技术参数 Technical data of KUDD series (medium temperature)

片距 fin space: 6.0mm

型号 Model	制冷量 Capacity (kW)	冷却面积 Surface (m ²)	风机 Fan						融霜加热管 Defrost heater			备注 Remark
			数量 Qty	直径 Φ (mm)	风量 Air flow (m ³ /h)	风压 Air pressure (pa)	射程 Air Throw (m)	功率 Power (W)	盘管 Coil (kW/支)	水盘 Drip pan (kW)	电压 Voltage (V)	
KUDD012-E2C	2.2	12	2	300	2×1563	90	10	2×75	0.36×6	0.36×2	380	可进行非标设计
KUDD015-E2C	2.8	15	2	300	2×1563	90	10	2×75	0.37×6	0.37×2	380	
KUDD022-E2C	3.7	22	2	350	2×2290	90	10	2×140	0.46×6	0.46×2	380	
KUDD030-E2C	5.7	30	2	350	2×2290	90	10	2×140	0.49×6	0.49×2	380	
KUDD040-E2C	7.5	40	2	400	2×3400	90	13	2×180	0.51×8	0.51×2	380	
KUDD060-E2C	11.4	60	2	500	2×6570	90	15	2×450	0.61×8	0.61×2	380	
KUDD080-E2C	15.2	80	2	500	2×6570	90	15	2×450	0.81×8	0.81×2	380	
KUDD100-E3C	18.7	100	3	500	3×6570	90	15	3×450	0.83×10	0.83×4	380	
KUDD120-E3C	22.4	120	3	500	3×6570	90	15	3×450	1.0×8	1.0×4	380	
KUDD140-E4C	26.2	140	4	500	4×6570	90	15	4×450	1.1×8	1.1×4	380	
KUDD160-E4C	30.0	160	4	500	4×6570	90	15	4×450	1.1×10	1.1×4	380	
KUDD200-E3C	37.4	200	3	550	3×8720	90	15	3×600	1.2×12	1.2×4	380	
KUDD250-E4C	46.8	250	4	550	4×8720	90	15	4×600	1.1×14	1.1×4	380	
KUDD300-E4C	56.2	300	4	600	4×10820	120	15	4×780	1.3×14	1.3×4	380	
Remark	库温 Cold room temp. -18°C; Δt=7°C											

KUDJ吊顶低温型冷风机技术参数 Technical data of KUDJ series (low temperature)

片距 fin space: 9.0mm

型号 Model	制冷量 Capacity (kW)	冷却面积 Surface (m ²)	风机 Fan						融霜加热管 Defrost heater			备注 Remark
			数量 Qty	直径 Φ (mm)	风量 Air flow (m ³ /h)	风压 Air pressure (pa)	射程 Air Throw (m)	功率 Power (W)	盘管 Coil (kW/支)	水盘 Drip pan (kW)	电压 Voltage (V)	
KUDJ008-E2C	1.2	8	2	300	2×1563	90	10	2×75	0.36×6	0.36×2	380	可进行非标设计
KUDJ010-E2C	1.5	10	2	300	2×1563	90	10	2×75	0.37×6	0.37×2	380	
KUDJ015-E2C	2.3	15	2	350	2×2290	90	10	2×140	0.46×6	0.46×2	380	
KUDJ020-E2C	3.3	20	2	350	2×2290	90	10	2×140	0.49×6	0.49×2	380	
KUDJ030-E2C	4.8	30	2	400	2×3400	90	13	2×180	0.51×8	0.51×2	380	
KUDJ040-E2C	7.1	40	2	500	2×6570	90	15	2×450	0.61×8	0.61×2	380	
KUDJ055-E2C	8.9	55	2	500	2×6570	90	15	2×450	0.81×8	0.81×2	380	
KUDJ070-E3C	11.5	70	3	500	3×6570	90	15	3×450	0.83×10	0.83×4	380	
KUDJ085-E3C	14.3	85	3	500	3×6570	90	15	3×450	1.0×8	1.0×4	380	
KUDJ100-E4C	17.1	100	4	500	4×6570	90	15	4×450	1.1×8	1.1×4	380	
KUDJ115-E4C	19.6	115	4	500	4×6570	90	15	4×450	1.1×10	1.1×4	380	
KUDJ140-E3C	23.8	140	3	550	3×8720	90	15	3×600	1.2×12	1.2×4	380	
KUDJ170-E4C	29.8	170	4	550	4×8720	90	15	4×600	1.1×14	1.1×4	380	
KUDJ210-E4C	35.7	210	4	600	4×10820	120	15	4×780	1.3×14	1.3×4	380	
Remark	库温 Cold room temp. -25°C; Δt=6°C											



吊顶式冷风机 Ceiling type unit cooler



水化霜 Water Defrost

KUDL吊顶高温型冷风机技术参数 Technical data of KUDL series (high temperature)

片距 fin space: 4.5mm

型号 Model	制冷量 Capacity (kW)	冷却面积 Surface (m ²)	风机 Fan						冲霜水量 Defrost water flow (m ³ /h)	电压 Voltage (V)	备注 Remark
			数量 Qty	直径 Φ (mm)	风量 Air flow (m ³ /h)	风压 Air pressure (pa)	射程 Air Throw (m)	功率 Power (W)			
KUDL060-W2C	12.9	60	2	400	2×3400	90	13	2×180	0.8	380	外转子电机
KUDL080-W2C	17.2	80	2	500	2×6570	90	15	2×450	1.3	380	
KUDL105-W2C	22.5	105	2	500	2×6570	90	15	2×450	1.7	380	
KUDL135-W3C	29	135	3	500	3×6570	90	15	3×450	2.1	380	
KUDL160-W3C	34.4	160	3	500	3×6570	90	15	4×450	2.5	380	
KUDL185-W4C	39.7	185	4	500	4×6570	90	15	4×450	2.9	380	
KUDL210-W4C	45.1	210	4	500	4×6570	90	15	4×450	3.4	380	
KUDL260-W3C	55.9	260	3	550	3×8720	90	15	4×600	4.2	380	
KUDL330-W4C	70.9	330	4	550	4×8720	90	15	4×600	5.3	380	
KUDL400-W4C	86	400	4	600	4×10820	120	15	4×780	6.3	380	
KUDL210-W2TC	45.1	210	2	600	2×12000	200	20	2×1500	3.4	380	带风筒
KUDL260-W2TC	55.9	260	2	600	2×12000	200	20	2×1500	4.2	380	
KUDL330-W3TC	70.9	330	3	600	3×12000	200	20	3×1500	5.3	380	
KUDL400-W3TC	86	400	3	600	3×12000	200	20	3×1500	6.3	380	
KUDL500-W3TC	107.5	500	3	600	3×12000	200	20	3×1500	7.8	380	
KUDL600-W4TC	129	600	4	600	4×12000	200	20	4×1500	9.5	380	
KUDL640-W4TC	137.6	640	4	600	4×12000	200	20	4×1500	10	380	
KUDL700-W4TC	150.5	700	4	600	4×12000	200	20	4×1500	10.9	380	
Remark	库温 Cold room temp. 0°C; Δt=8°C										



吊顶式冷风机 Ceiling type unit cooler

KUDD吊顶中温型冷风机技术参数 Technical data of KUDD series (medium temperature)

片距 fin space: 6.0mm

型号 Model	制冷量 Capacity (kW)	冷却面积 Surface (m ²)	风机 Fan						冲霜水量 Defrost water flow (m ³ /h)	电压 Voltage (V)	备注 Remark
			数量 Qty	直径 Φ (mm)	风量 Air flow (m ³ /h)	风压 Air pressure (pa)	射程 Air Throw (m)	功率 Power (W)			
KUDD040-W2C	7.8	40	2	400	2×3400	90	13	2×180	0.8	380	外转子电机
KUDD060-W2C	11.7	60	2	500	2×6570	90	15	2×450	1.3	380	
KUDD080-W2C	15.6	80	2	500	2×6570	90	15	2×450	1.7	380	
KUDD100-W3C	19.5	100	3	500	3×6570	90	15	3×450	2.1	380	
KUDD120-W3C	23.4	120	3	500	3×6570	90	15	4×450	2.5	380	
KUDD140-W4C	27.3	140	4	500	4×6570	90	15	4×450	2.9	380	
KUDD160-W4C	31.2	160	4	500	4×6570	90	15	4×450	3.4	380	
KUDD200-W3C	39	200	3	550	3×8720	90	15	4×600	4.2	380	
KUDD250-W4C	48.7	250	4	550	4×8720	90	15	4×600	5.3	380	
KUDD300-W4C	58.5	300	4	600	4×10820	120	15	4×780	6.3	380	
KUDD160-W2TC	31.2	160	2	600	2×12000	200	20	2×1500	3.4	380	带风筒
KUDD200-W2TC	39	200	2	600	2×12000	200	20	2×1500	4.2	380	
KUDD250-W3TC	48.7	250	3	600	3×12000	200	20	3×1500	5.3	380	
KUDD300-W3TC	58.5	300	3	600	3×12000	200	20	3×1500	6.3	380	
KUDD370-W3TC	72.1	370	3	600	3×12000	200	20	3×1500	7.8	380	
KUDD450-W4TC	87.7	450	4	600	4×12000	200	20	4×1500	9.5	380	
KUDD480-W4TC	93.6	480	4	600	4×12000	200	20	4×1500	10	380	
KUDD520-W4TC	101.4	520	4	600	4×12000	200	20	4×1500	10.9	380	
Remark	库温 Cold room temp. -18°C; Δt=7°C										

KUDJ吊顶低温型冷风机技术参数 Technical data of KUDJ series (low temperature)

片距 fin space: 9.0mm

型号 Model	制冷量 Capacity (kW)	冷却面积 Surface (m ²)	风机 Fan						冲霜水量 Defrost water flow (m ³ /h)	电压 Voltage (V)	备注 Remark
			数量 Qty	直径 Φ (mm)	风量 Air flow (m ³ /h)	风压 Air pressure (pa)	射程 Air Throw (m)	功率 Power (W)			
KUDJ030-W2C	5.1	30	2	400	2×3400	90	13	2×180	0.8	380	外转子电机
KUDJ040-W2C	6.8	40	2	500	2×6570	90	15	2×450	1.3	380	
KUDJ055-W2C	9.3	55	2	500	2×6570	90	15	2×450	1.7	380	
KUDJ070-W3C	11.9	70	3	500	3×6570	90	15	3×450	2.1	380	
KUDJ085-W3C	14.4	85	3	500	3×6570	90	15	4×450	2.5	380	
KUDJ100-W4C	17	100	4	500	4×6570	90	15	4×450	2.9	380	
KUDJ115-W4C	19.5	115	4	500	4×6570	90	15	4×450	3.4	380	
KUDJ140-W3C	23.8	140	3	550	3×8720	90	15	4×600	4.2	380	
KUDJ170-W4C	28.9	170	4	550	4×8720	90	15	4×600	5.3	380	
KUDJ210-W4C	35.7	210	4	600	4×10820	120	15	4×780	6.3	380	
KUDJ115-W2TC	19.5	115	2	600	2×12000	200	20	2×1500	3.4	380	带风筒
KUDJ140-W2TC	23.8	140	2	600	2×12000	200	20	2×1500	4.2	380	
KUDJ170-W3TC	28.9	170	3	600	3×12000	200	20	3×1500	5.3	380	
KUDJ210-W3TC	35.7	210	3	600	3×12000	200	20	3×1500	6.3	380	
KUDJ250-W3TC	42.5	250	3	600	3×12000	200	20	3×1500	7.8	380	
KUDJ300-W4TC	51	300	4	600	4×12000	200	20	4×1500	9.5	380	
KUDJ320-W4TC	54.4	320	4	600	4×12000	200	20	4×1500	10	380	
KUDJ350-W4TC	59.5	350	4	600	4×12000	200	20	4×1500	10.9	380	
Remark	库温 Cold room temp. -25°C; Δt=6°C										



吊顶式冷风机 Ceiling type unit cooler



KUDL吊顶带风筒高温型冷风机技术参数 Technical data of KUDL series (high temperature)

片距 fin space: 4.5mm

型号 Model	制冷量 Capacity (kW)	冷却面积 Surface (m ²)	风机 Fan						盘管 Coil (kW/支)	水盘 Drip pan (kW)	电压 Voltage (V)	备注 Remark
			数量 Qty	直径 Φ (mm)	风量 Air flow (m ³ /h)	风压 Air pressure (pa)	射程 Air Throw (m)	功率 Power (W)				
KUDL185-E2TC	37.6	185	2	600	2×12000	200	20	2×1500	0.73×8	0.73×4	380	带风筒
KUDL210-E2TC	42.7	210	2	600	2×12000	200	20	2×1500	0.75×14	0.75×4	380	
KUDL240-E2TC	48.7	240	2	600	2×12000	200	20	2×1500	0.84×14	0.84×4	380	
KUDL260-E2TC	52.9	260	2	600	2×12000	200	20	2×1500	0.92×14	0.92×4	380	
KUDL310-E3TC	63.5	310	3	600	3×12000	200	20	3×1500	1.05×14	1.05×4	380	
KUDL330-E3TC	67.6	330	3	600	3×12000	200	20	3×1500	1.1×14	1.1×4	380	
KUDL380-E3TC	77.9	380	3	600	3×12000	200	20	3×1500	1.05×14	1.05×4	380	
KUDL400-E3TC	82	400	3	600	3×12000	200	20	3×1500	1.1×14	1.1×4	380	
KUDL470-E3TC	96.3	470	3	600	3×13000	200	20	3×2200	1.05×20	1.05×4	380	
KUDL500-E3TC	107.5	500	3	600	3×13000	200	20	3×2200	1.1×20	1.1×4	380	
KUDL560-E4TC	120.4	560	4	600	4×13000	200	20	4×2200	1.2×20	1.2×4	380	
KUDL600-E4TC	129	600	4	600	4×13000	200	20	4×2200	1.2×20	1.2×4	380	
Remark	库温 Cold room temp. 0°C; Δt=8°C											



吊顶式冷风机 Ceiling type unit cooler

KUDD吊顶带风筒中温型冷风机技术参数 Technical data of KUDD series (medium temperature)

片距 fin space: 6.0mm

型号 Model	制冷量 Capacity (kW)	冷却面积 Surface (m ²)	风机 Fan						盘管 Coil (kW/支)	水盘 Drip pan (kW)	电压 Voltage (V)	备注 Remark
			数量 Qty	直径 Φ (mm)	风量 Air flow (m ³ /h)	风压 Air pressure (pa)	射程 Air Throw (m)	功率 Power (W)				
KUDD140-E2TC	26.2	140	2	600	2×12000	200	20	2×1500	0.73×14	0.73×4	380	带风筒
KUDD160-E2TC	30	160	2	600	2×12000	200	20	2×1500	0.75×20	0.75×4	380	
KUDD180-E2TC	33.6	180	2	600	2×12000	200	20	2×1500	0.84×20	0.84×4	380	
KUDD200-E2TC	37.4	200	2	600	2×12000	200	20	2×1500	0.92×20	0.92×4	380	
KUDD230-E3TC	43.1	230	3	600	3×12000	200	20	3×1500	1.05×20	1.05×4	380	
KUDD250-E3TC	46.8	250	3	600	3×12000	200	20	3×1500	1.1×20	1.1×4	380	
KUDD280-E3TC	52.4	280	3	600	3×12000	200	20	3×1500	1.05×20	1.05×4	380	
KUDD300-E3TC	56.2	300	3	600	3×12000	200	20	3×1500	1.1×20	1.1×4	380	
KUDD350-E3TC	65.5	350	3	600	3×13000	200	20	3×2200	1.05×26	1.05×4	380	
KUDD370-E3TC	69.3	370	3	600	3×13000	200	20	3×2200	1.1×26	1.1×4	380	
KUDD420-E4TC	78.6	420	4	600	4×13000	200	20	4×2200	1.2×26	1.2×4	380	
KUDD450-E4TC	84.2	450	4	600	4×13000	200	20	4×2200	1.2×26	1.2×4	380	
Remark	库温 Cold room temp. -18°C; Δt=7°C											

KUDJ吊顶带风筒低温型冷风机技术参数 Technical data of KUDJ series (low temperature)

片距 fin space: 9.0mm

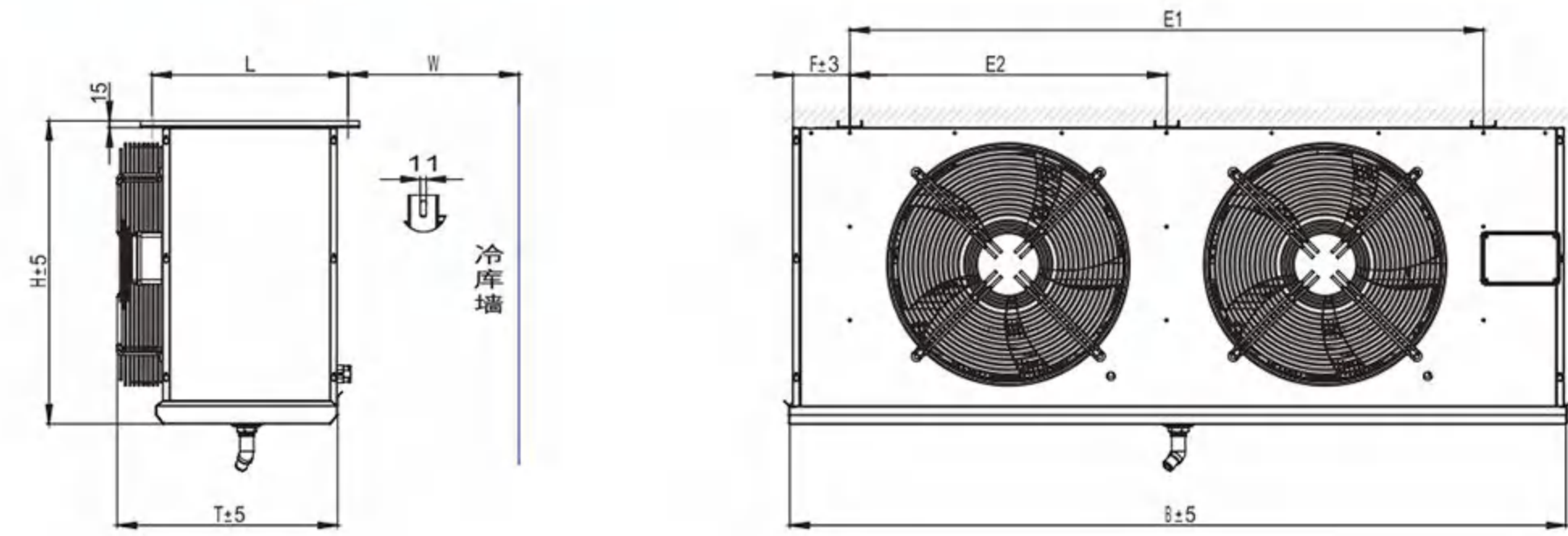
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			数量 Qty	直径 Φ (mm)	风量 Air flow (m ³ /h)	风压 Air pressure (pa)	射程 Air Throw (m)	功率 Power (W)				
KUDJ100-E2TC	17.1	100	100	600	2×12000	200	20	2×1500	0.73×14	0.73×4	380	带风筒
KUDJ115-E2TC	19.6	115	115	600	2×12000	200	20	2×1500	0.75×20	0.75×4	380	
KUDJ120-E2TC	20.4	120	120	600	2×12000	200	20	2×1500	0.84×20	0.84×4	380	
KUDJ140-E2TC	23.8	140	140	600	2×12000	200	20	2×1500	0.92×20	0.92×4	380	
KUDJ150-E3TC	26.3	150	150	600	3×12000	200	20	3×1500	1.05×20	1.05×4	380	
KUDJ170-E3TC	29.8	170	170	600	3×12000	200	20	3×1500	1.1×20	1.1×4	380	
KUDJ190-E3TC	32.3	190	190	600	3×12000	200	20	3×1500	1.05×20	1.05×4	380	
KUDJ210-E3TC	35.7	210	210	600	3×12000	200	20	3×1500	1.1×20	1.1×4	380	
KUDJ230-E3TC	39.1	230	230	600	3×13000	200	20	3×2200	1.05×26	1.05×4	380	
KUDJ250-E3TC	42.5	250	250	600	3×13000	200	20	3×2200	1.1×26	1.1×4	380	
KUDJ280-E4TC	47.6	280	280	600	4×13000	200	20	4×2200	1.2×26	1.2×4	380	
KUDJ300-E4TC	51	300	300	600	4×13000	200	20	4×2200	1.2×26	1.2×4	380	
Remark	库温 Cold room temp. -25°C; Δt=6°C											



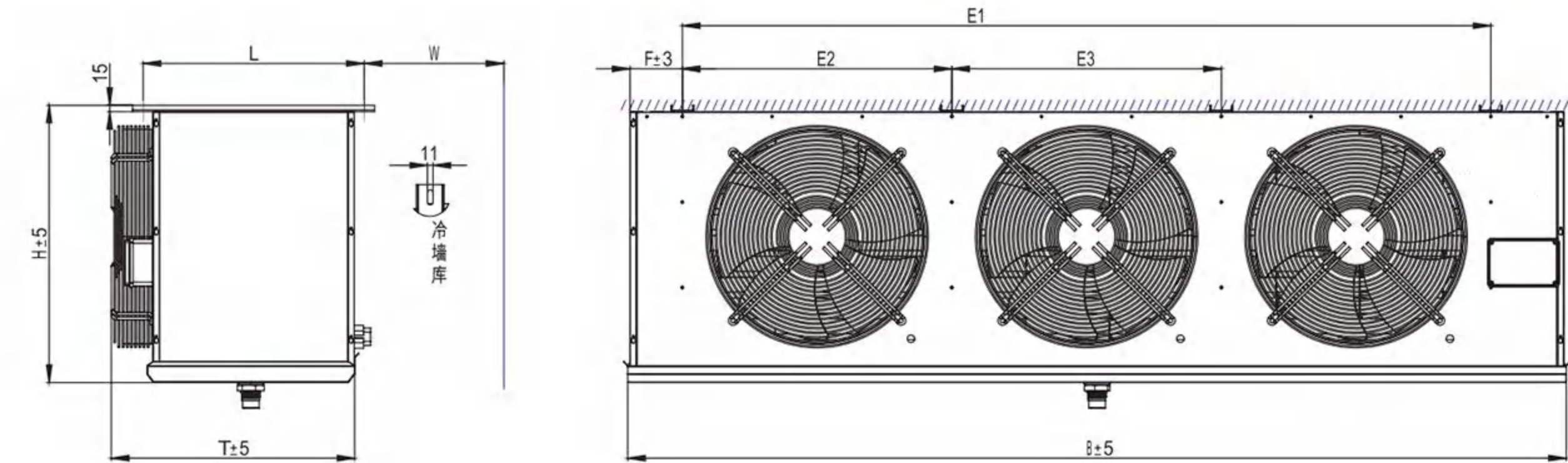
吊顶式冷风机外形尺寸及安装尺寸图

General drawings of overall dimensions and installation sizes

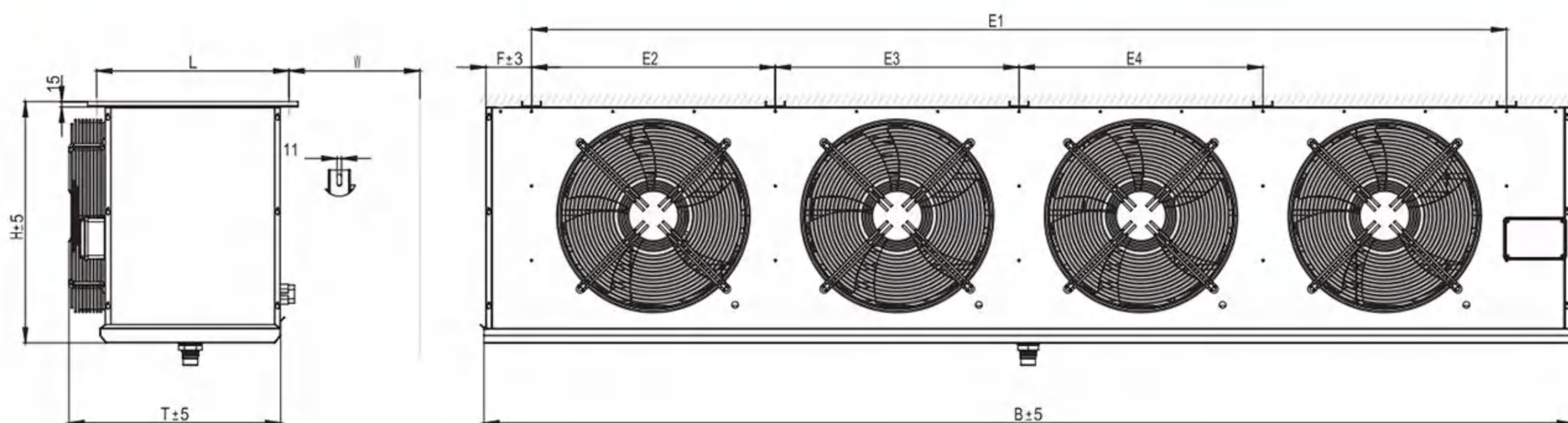
1) KUDL016-E2C ~ 105 / KUDD012-E2C ~ 080 / KUDJ008-E2C ~ 055



2) KUDL135-E3C、160、260 / KUDD100-E3C、120、200 / KUDJ70-E3C、085、140



3) KUDL185-E4C、210、330、400 / KUDD140-E4C、160、250、300 / KUDJ100-E4C、115、170、210



电化霜 Electric Defrost

吊顶式冷风机外形尺寸及安装尺寸 Dimension & installation size

型号 Model	长(L) B	宽(W) T	高(H) H	安装尺寸 Physical size					水管 (英寸) Water tube (inch)	连接管直径 Connecting tube Φ		重量 Weight (kg)	
				L	E1	E2	E3	E4		F	进口 Inlet(mm)		出口 Outlet(mm)
KUDL016-E2C KUDD012-E2C KUDJ008-E2C	1190	370	460	340	870	/	/	/	132	3/4	12	22	35 34 49
KUDL020-E2C KUDD015-E2C KUDJ010-E2C	1220	370	460	340	900	/	/	/	132	3/4	12	22	38 37 36
KUDL030-E2C KUDD022-E2C KUDJ015-E2C	1470	370	560	340	1150	/	/	/	132	3/4	12	22	50 49 48
KUDL040-E2C KUDD030-E2C KUDJ020-E2C	1400	380	570	340	1080	/	/	/	135	1	16	28	57 56 54
KUDL060-E2C KUDD040-E2C KUDJ030-E2C	1450	380	670	340	1130	/	/	/	130	1	16	28	68 67 66
KUDL080-E2C KUDD060-E2C KUDJ040-E2C	1700	470	670	430	1370	695	/	/	130	1	16	35	96 95 94
KUDL105-E2C KUDD080-E2C KUDJ055-E2C	2200	470	670	430	1890	945	/	/	130	1	22	42	114 113 112
KUDL135-E3C KUDD100-E3C KUDJ070-E3C	2250	570	670	530	1938	646	646	/	130	1.5	22	42	143 142 141
KUDL160-E3C KUDD120-E3C KUDJ085-E3C	2750	570	670	530	2440	813	813	/	130	1.5	22	42	179 178 177
KUDL185-E4C KUDD140-E4C KUDJ100-E4C	3000	570	670	530	2688	672	672	672	130	1.5	25	50	214 213 212
KUDL210-E4C KUDD160-E4C KUDJ115-E4C	2900	570	670	530	2588	647	647	647	130	1.5	25	50	225 224 223
KUDL260-E3C KUDD200-E3C KUDJ140-E3C	3200	620	770	570	2889	963	963	/	130	1.5	25	50	261 260 258
KUDL330-E4C KUDD250-E4C KUDJ170-E4C	3000	720	770	690	2700	675	675	675	125	2	25	50	320 317 315
KUDL400-E4C KUDD300-E4C KUDJ210-E4C	3400	720	770	690	3100	775	775	775	125	2	25	50	360 359 357



吊顶式冷风机 Ceiling type unit cooler

吊顶式带风筒冷风机外形尺寸及安装尺寸 Dimension & installation size

型号 Model	长(L) 宽(W) 高(H)			安装尺寸 Physical size						水管(英寸) Water tube (inch)	连接管直径 Connecting tube Φ		重量 Weight (kg)
	B	T	H	L	E1	E2	E3	E4	F		进口 Inlet(mm)	出口 Outlet(mm)	
KUDL185-E2TC KUDD140-E2TC KUDJ100-E2TC	2000	890	900	590	1700	850	/	/	120	1.5	50	50	216 210 207
KUDL210-E2TC KUDD160-E2TC KUDJ115-E2TC	2050	990	800	690	1750	875	/	/	120	1.5	50	50	235 228 223
KUDL240-E2TC KUDD180-E2TC KUDJ120-E2TC UDJD-015	2280	990	800	690	1980	990	/	/	120	1.5	50	50	245 240 238
KUDL260-E2TC KUDD200-E2TC KUDJ140-E2TC UDJD-015	2480	990	800	690	2180	1090	/	/	120	1.5	50	50	264 255 250
KUDL310-E3TC KUDD230-E3TC KUDJ150-E3TC	2800	990	800	690	2500	833	833	/	120	2	50	50	310 302 299
KUDL330-E3TC KUDD250-E3TC KUDJ170-E3TC	3000	990	800	690	2700	900	900	/	120	2	50	50	339 330 325
KUDL380-E3TC KUDD280-E3TC KUDJ190-E3TC	2800	990	900	690	2500	833	833	/	120	2	50	50	345 340 338
KUDL400-E3TC KUDD300-E3TC KUDJ210-E3TC	3000	990	900	690	2700	900	900	/	120	2	50	50	367 355 350
KUDL470-E3TC KUDD350-E3TC KUDJ230-E3TC	2800	1090	910	790	2500	833	833	/	120	2	54	54	415 400 394
KUDL500-E3TC KUDD370-E3TC KUDJ250-E3TC	3000	1090	910	790	2700	900	900	/	120	2	54	54	436 420 412
KUDL560-E4TC KUDD420-E4TC KUDJ280-E4TC	3150	1090	960	790	2850	712	712	712	120	镀锌DN65	67	67	508 490 483
KUDL600-E4TC KUDD450-E4TC KUDJ300-E4TC	3200	1090	1010	790	2900	725	725	725	120	镀锌DN65	67	67	532 512 504



吊顶式冷风机 Ceiling type unit cooler

水化霜 Water Defrost

吊顶式冷风机外形尺寸及安装尺寸 Dimension & installation size

型号 Model	长(L) 宽(W) 高(H)			安装尺寸 Physical size						水管(英寸) Water tube (inch)	连接管直径 Connecting tube Φ			重量 Weight (kg)	
	B	T	H	L	E1	E2	E3	E4	E5		F	进口 Inlet(mm)	出口 Outlet(mm)		进水管 Water Inlet(inch)
KUDL060-W2C KUDD040-W2C KUDJ030-W2C	1460	611	889	510	1150	575	575	/	/	130	3	16	35	1-1/2	106 105 104
KUDL080-W2C KUDD060-W2C KUDJ040-W2C	1710	669	889	560	1400	700	700	/	/	130	3	16	35	1-1/2	136 134 132
KUDL105-W2C KUDD080-W2C KUDJ055-W2C	1810	719	889	610	1500	750	750	/	/	130	3	16	50	1-1/2	153 150 147
KUDL135-W3C KUDD100-W3C KUDJ070-W3C	2260	719	889	610	1950	650	650	650	/	130	3	22	50	1-1/2 × 2	194 190 188
KUDL160-W3C KUDD120-W3C KUDJ085-W3C	2760	719	889	610	2450	817	816	817	/	130	3	22	50	1-1/2 × 2	227 222 217
KUDL185-W4C KUDD140-W4C KUDJ100-W4C	3010	719	889	610	2700	675	675	675	675	130	3	25	50	1-1/2 × 2	258 255 252
KUDL210-W4C KUDD160-W4C KUDJ115-W4C	2910	769	889	660	2600	650	650	650	650	130	3	25	50	1-1/2 × 2	274 267 260
KUDL260-W3C KUDD200-W3C KUDJ140-W3C	3110	769	989	660	2800	933	934	933	/	130	4	25	50	2 × 2	311 302 295
KUDL330-W4C KUDD250-W4C KUDJ170-W4C	3010	819	989	710	2700	675	675	675	675	130	4	25	50	2 × 2	348 337 330
KUDL400-W4C KUDD300-W4C KUDJ210-W4C	3010	819	1086	710	2700	675	675	675	675	130	4	25	54	2 × 2	388 375 370
KUDL210-W2TC KUDD160-W2TC KUDJ115-W2TC	2060	1059	1008	710	1750	875	875	/	/	130	4	25	50	2	282 275 268
KUDL260-W2TC KUDD200-W2TC KUDJ140-W2TC	2490	1059	1008	710	2180	1090	1090	/	/	130	4	25	50	2	319 310 305
KUDL330-W3TC KUDD250-W3TC KUDJ170-W3TC	3010	1059	1008	710	2700	900	900	900	/	130	4	25	54	2 × 2	398 387 382
KUDL400-W3TC KUDD300-W3TC KUDJ210-W3TC	3010	1059	1108	710	2700	900	900	900	/	130	4	25	54	2 × 2	424 411 405
KUDL500-W3TC KUDD370-W3TC KUDJ250-W3TC	3010	1159	1108	810	2700	900	900	900	/	130	4	25	54	2 × 2	473 457 450
KUDL600-W4TC KUDD450-W4TC KUDJ300-W4TC	3210	1159	1208	810	2900	725	725	725	725	130	4	32	67	2 × 2	573 553 543
KUDL640-W4TC KUDD480-W4TC KUDJ320-W4TC	3410	1174	1208	810	3100	775	775	775	775	130	4	2 × 25	67	2 × 2	594 574 564
KUDL700-W4TC KUDD520-W4TC KUDJ350-W4TC	3710	1174	1208	810	3400	850	850	850	850	130	4	2 × 25	67	2 × 2	629 607 597



落地式顶出风冷风机 On-board type unit cooler



KULL 落地式顶出风高温型冷风机技术参数 Technical data of KULL series (high temperature) 片距 fin space: 4.5mm

型号 Model	制冷量 Capacity (kW)	冷却面积 Surface (m ²)	风机 Fan						电压 Voltage (V)	备注 Remark
			数量 Qty	直径 Φ (mm)	风量 Air flow (m ³ /h)	风压 Air pressure (pa)	射程 Air Throw (m)	功率 Power (W)		
KULL260-W2TC	55.9	260	2	600	2 × 12000	200	20	2 × 1.5	380	提供电化霜型式 和非标设计
KULL330-W3TC	70.9	330	3	600	3 × 12000	200	20	3 × 1.5	380	
KULL400-W3TC	86	400	3	600	3 × 12000	200	20	3 × 1.5	380	
KULL500-W3TC	107.5	500	3	600	3 × 12000	200	20	3 × 1.5	380	
KULL540-W3TC	116.1	540	3	600	3 × 12000	200	20	3 × 1.5	380	
KULL600-W4TC	129	600	4	600	4 × 12000	200	20	4 × 1.5	380	
KULL660-W4TC	141.9	660	4	600	4 × 12000	200	20	4 × 1.5	380	
KULL700-W4TC	150.5	700	4	600	4 × 12000	200	20	4 × 1.5	380	
Remark	库温 Cold room temperature 0°C; Δt=8°C									

KULD 落地式顶出风中温型冷风机技术参数 Technical data of KULD series (medium temperature) 片距 fin space: 6.0mm

型号 Model	制冷量 Capacity (kW)	冷却面积 Surface (m ²)	风机 Fan						电压 Voltage (V)	备注 Remark
			数量 Qty	直径 Φ (mm)	风量 Air flow (m ³ /h)	风压 Air pressure (pa)	射程 Air Throw (m)	功率 Power (W)		
KULD200-W2TC	39	200	2	600	2 × 12000	200	20	2 × 1.5	380	提供电化霜型式 和非标设计
KULD250-W3TC	48.7	250	3	600	3 × 12000	200	20	3 × 1.5	380	
KULD300-W3TC	58.5	300	3	600	3 × 12000	200	20	3 × 1.5	380	
KULD370-W3TC	72.1	370	3	600	3 × 12000	200	20	3 × 1.5	380	
KULD400-W3TC	78	400	3	600	3 × 12000	200	20	3 × 1.5	380	
KULD450-W4TC	87.7	450	4	600	4 × 12000	200	20	4 × 1.5	380	
KULD500-W4TC	97.5	500	4	600	4 × 12000	200	20	4 × 1.5	380	
KULD520-W4TC	101.4	520	4	600	4 × 12000	200	20	4 × 1.5	380	
Remark	库温 Cold room temperature -18°C; Δt=8°C									

KULJ 落地式顶出风低温型冷风机技术参数 Technical data of KULJ series (low temperature) 片距 fin space: 9.0mm

型号 Model	制冷量 Capacity (kW)	冷却面积 Surface (m ²)	风机 Fan						电压 Voltage (V)	备注 Remark
			数量 Qty	直径 Φ (mm)	风量 Air flow (m ³ /h)	风压 Air pressure (pa)	射程 Air Throw (m)	功率 Power (W)		
KULJ140-W2TC	23.8	140	2	600	2 × 12000	200	20	2 × 1.5	380	提供电化霜型式 和非标设计
KULJ170-W3TC	28.9	170	3	600	3 × 12000	200	20	3 × 1.5	380	
KULJ210-W3TC	35.7	210	3	600	3 × 12000	200	20	3 × 1.5	380	
KULJ250-W3TC	42.5	250	3	600	3 × 12000	200	20	3 × 1.5	380	
KULJ270-W3TC	45.9	270	3	600	3 × 12000	200	20	3 × 1.5	380	
KULJ300-W4TC	51	300	4	600	4 × 12000	200	20	4 × 1.5	380	
KULJ330-W4TC	56.1	330	4	600	4 × 12000	200	20	4 × 1.5	380	
KULJ350-W4TC	59.5	350	4	600	4 × 12000	200	20	4 × 1.5	380	
Remark	库温 Cold room temperature -25°C; Δt=8°C									

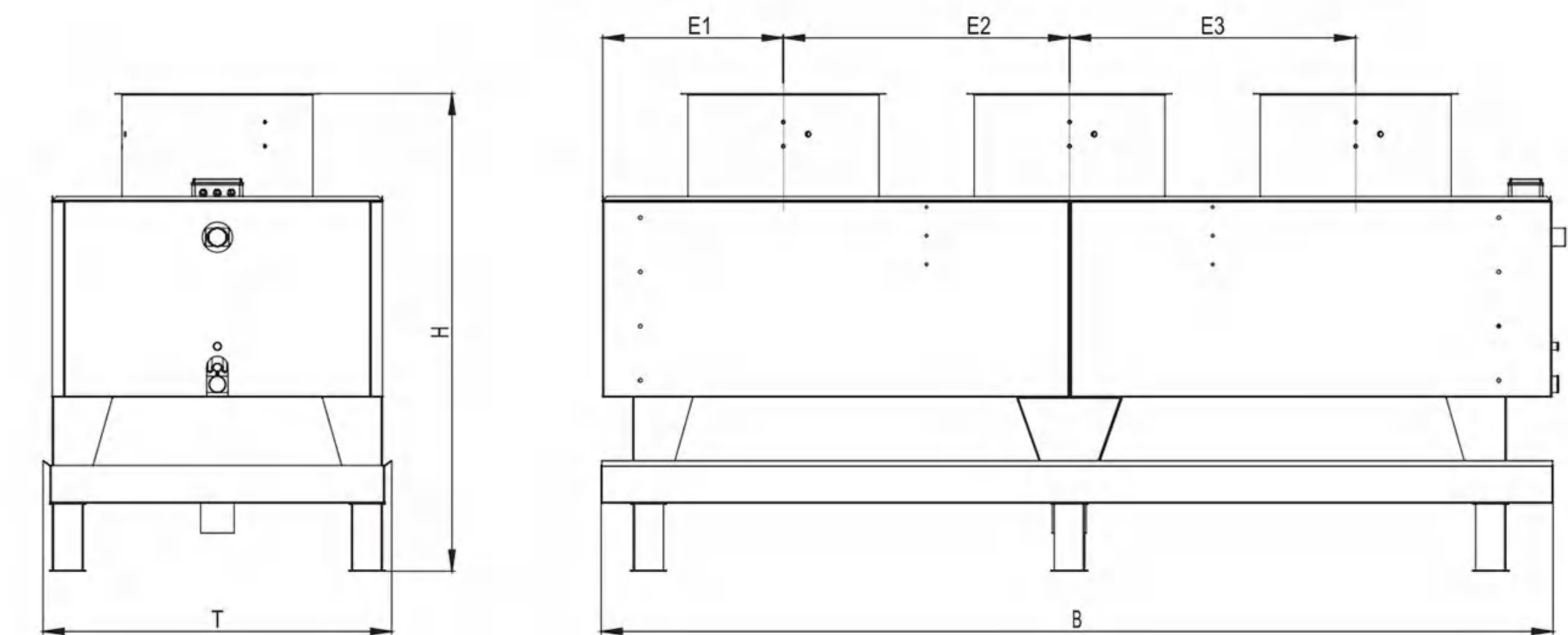


落地式顶出风冷风机 On-board type unit cooler

落地式顶出风冷风机外形尺寸及安装尺寸 Dimension & installation size

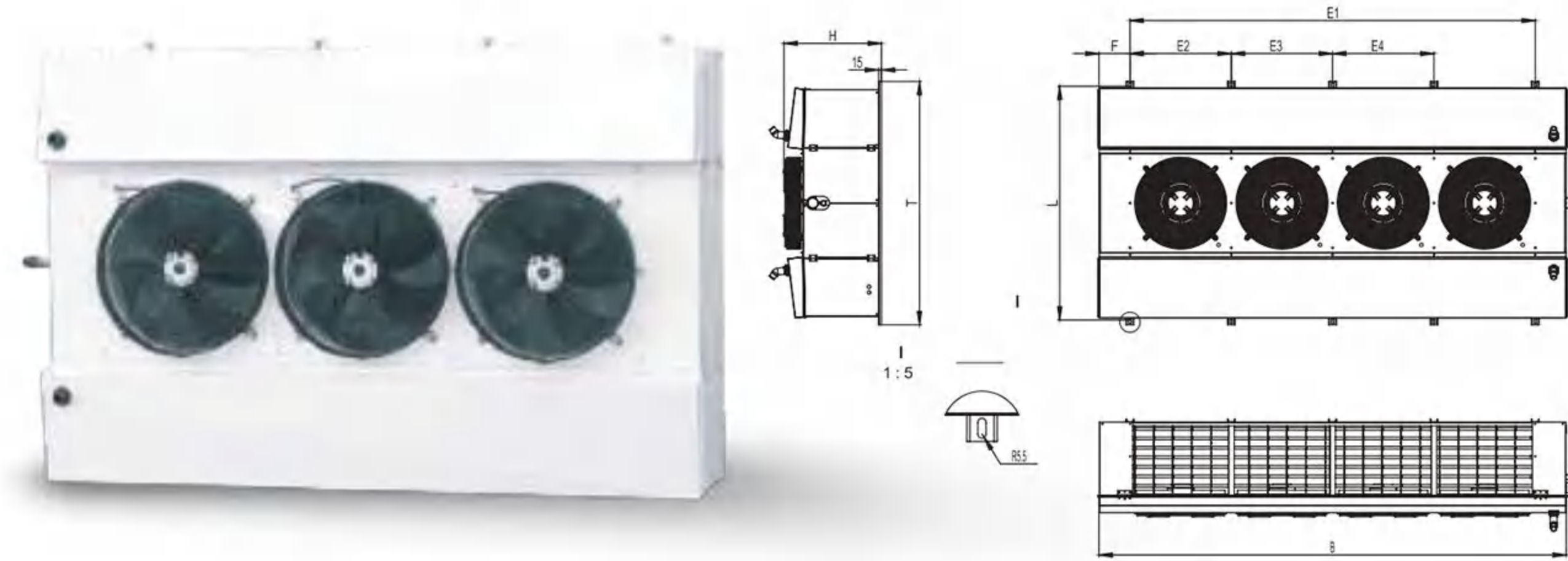
型号 Model	长(L) B	宽(W) T	高(H) H	电机位置尺寸 Dimension for fan				连接管直径 Connecting tube Φ		水盘接水管直径(英寸) Drip pan water connecting tube Φ(inch)	冲霜水管直径(mm) Φ of defrost water tube
				E1	E2	E3	E4	进口 Inlet(mm)	出口 Outlet(mm)		
KULL260-W2TC KULD200-W2TC KULJ140-W2TC	2210	910	1585	630	950	/	/	25	50	3	50
KULL330-W3TC KULD250-W3TC KULJ170-W3TC	2710	910	1585	530	800	800	/	25	50	3	50
KULL400-W3TC KULD300-W3TC KULJ210-W3TC	3160	910	1585	605	950	950	/	25	54	3	50
KULL500-W3TC KULD370-W3TC KULJ250-W3TC	3160	1110	1585	605	950	950	/	25	54	4	50
KULL540-W3TC KULD400-W3TC KULJ270-W3TC	3358	1110	1585	638	1016	1016	/	25	54	4	50
KULL600-W4TC KULD450-W4TC KULJ300-W4TC	3710	1110	1585	555	850	850	850	32	67	4	50
KULL660-W4TC KULD500-W4TC KULJ330-W4TC	4060	1110	1585	598	937.5	937.5	937.5	32	67	4	50
KULL700-W4TC KULD520-W4TC KULJ350-W4TC	4210	1110	1585	617.5	975	975	975	32	67	4	50

落地式顶出风冷风机外形尺寸及安装尺寸图 General drawings of overall dimensions and installation sizes





双侧出风冷风机 Double-side blow type unit cooler



KUSL双侧出风高温型冷风机组技术参数 Technical data of KUSL series

片距 fin space: 4.5mm

型号 Model	制冷量 Capacity (kW)	冷却面积 Surface (m ²)	风机 Fan						融霜加热管 Defrost heater			备注 Remark
			数量 Qty	直径 Φ (mm)	风量 Air flow (m ³ /h)	风压 Air pressure (pa)	射程 Air Throw (m)	功率 Power (W)	盘管 Coil (kW/支)	水盘 Drip pan (kW)	电压 Voltage (V)	
KUSL020-E1C	4.1	20	1	400	4008	90	2×8	180	2×0.6	2×0.6	220	用外转子 电机和 可提供 非标设计
KUSL040-E1C	8.2	40	1	450	5180	90	2×9	250	2×0.6	2×0.6	220	
KUSL060-E2C	12.3	60	2	400	2×4008	90	2×8	2×180	2×1.0	2×1.0	220	
KUSL080-E2C	16.4	80	2	450	2×5180	90	2×9	2×250	2×1.0	2×1.0	220	
KUSL105-E2C	21.5	100	2	450	2×5180	90	2×9	2×250	4×1.0	2×1.0	220	
KUSL135-E3C	27.6	135	3	450	3×5180	90	2×9	3×250	4×1.2	2×1.2	220	
KUSL185-E4C	37.6	185	4	450	2×5180	90	2×9	4×250	4×1.8	2×1.8	220	
KUSL210-E4C	42.7	210	4	450	2×5180	90	2×9	4×250	4×2.0	4×2.0	220	

KUSD双侧出风中温型冷风机组技术参数 Technical data of KUSD series

片距 fin space: 6.0mm

型号 Model	制冷量 Capacity (kW)	冷却面积 Surface (m ²)	风机 Fan						融霜加热管 Defrost heater			备注 Remark
			数量 Qty	直径 Φ (mm)	风量 Air flow (m ³ /h)	风压 Air pressure (pa)	射程 Air Throw (m)	功率 Power (W)	盘管 Coil (kW/支)	水盘 Drip pan (kW)	电压 Voltage (V)	
KUSD015-E1C	2.8	15	1	400	4008	90	2×9	180	2×0.6	2×0.6	220	用外转子 电机和 可提供 非标设计
KUSD030-E1C	5.7	30	1	450	5180	90	2×10	250	4×0.6	2×0.6	220	
KUSD045-E2C	8.4	45	2	400	2×4008	90	2×9	2×180	2×1.0	2×1.0	220	
KUSD060-E2C	11.4	60	2	450	2×5180	90	2×10	2×250	4×1.0	2×1.0	220	
KUSD080-E2C	15.2	85	2	450	2×5180	90	2×10	2×250	6×1.0	2×1.0	220	
KUSD100-E3C	18.7	100	3	450	3×5180	90	2×10	3×250	6×1.2	2×1.2	220	
KUSD140-E4C	26.2	140	4	450	4×5180	90	2×10	4×250	6×1.8	2×1.8	220	
KUSD160-E4C	30	160	4	450	4×5180	90	2×10	4×250	6×2.0	4×2.0	220	



双侧出风冷风机 Double-side blow type unit cooler

KUSJ双侧出风低温型冷风机组技术参数 Technical data of KUSJ series

片距 fin space: 9.0mm

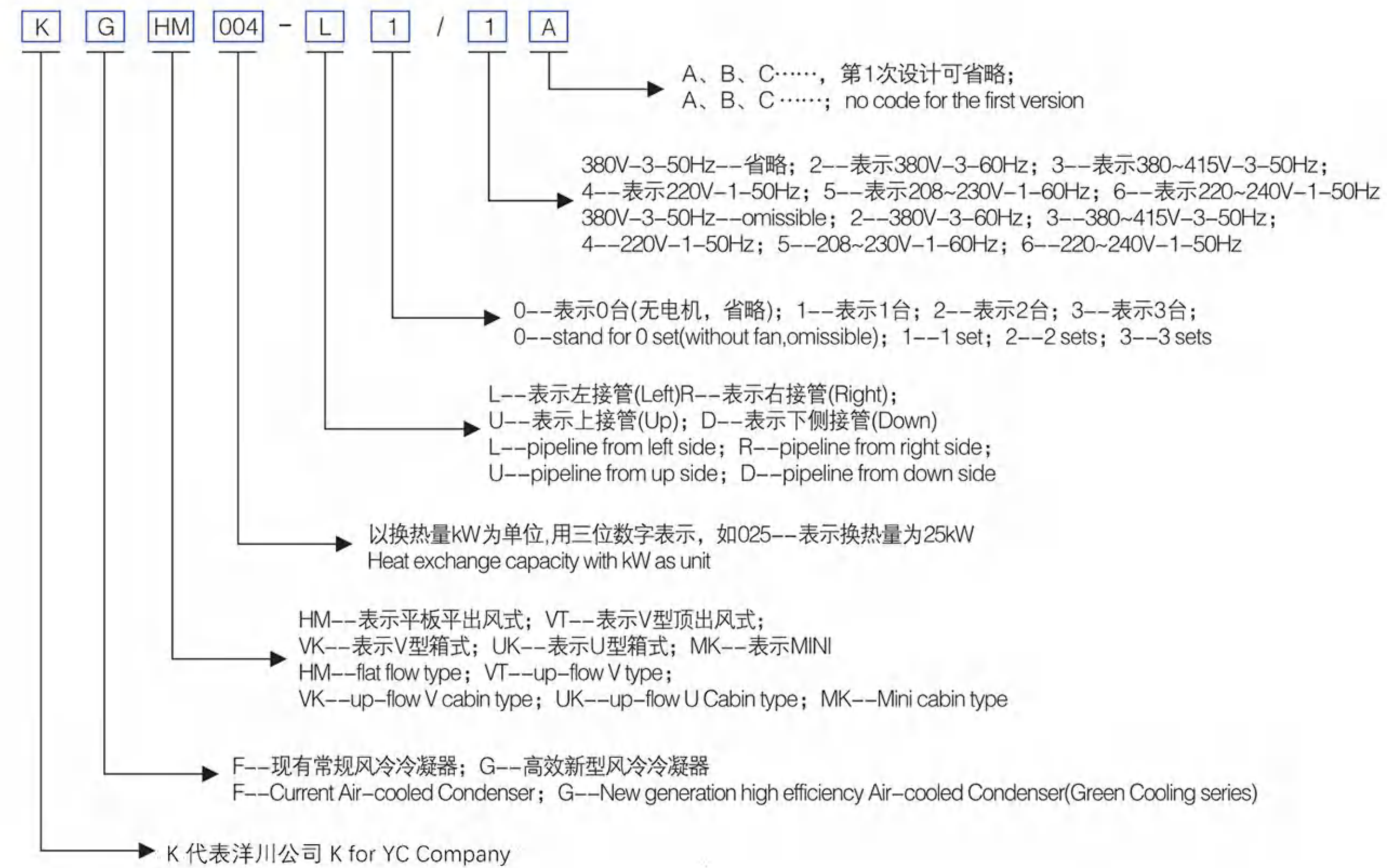
型号 Model	制冷量 Capacity (kW)	冷却面积 Surface (m ²)	风机 Fan						融霜加热管 Defrost heater			备注 Remark
			数量 Qty	直径 Φ (mm)	风量 Air flow (m ³ /h)	风压 Air pressure (pa)	射程 Air Throw (m)	功率 Power (W)	盘管 Coil (kW/支)	水盘 Drip pan (kW)	电压 Voltage (V)	
KUSJ010-E1C	1.5	10	1	400	4008	90	2×9	180	2×0.6	2×0.6	220	用外转子 电机和 可提供 非标设计
KUSJ020-E1C	3.3	20	1	450	5180	90	2×10	250	4×0.6	2×0.6	220	
KUSJ030-E2C	4.8	30	2	400	2×4008	90	2×9	2×180	2×1.0	2×1.0	220	
KUSJ040-E2C	7.1	40	2	450	2×5180	90	2×10	2×250	4×1.0	2×1.0	220	
KUSJ055-E2C	8.9	55	2	450	2×5180	90	2×10	2×250	6×1.0	2×1.0	220	
KUSJ070-E3C	11.5	70	3	450	3×5180	90	2×10	3×250	6×1.2	2×1.2	220	
KUSJ100-E4C	17.1	100	4	450	4×5180	90	2×10	4×250	6×1.8	2×1.8	220	
KUSJ115-E4C	19.6	115	4	450	4×5180	90	2×10	4×250	6×2.0	4×2.0	220	

双侧出风冷风机外形尺寸及安装尺寸 Dimension and installation sizes

型号 Model	长(L)	宽(W)	高(H)	安装尺寸 Physical size					水管(英寸) Water tube (inch)	连接管直径 Connecting tube Φ		
	B	T	H	L	E1	E2	E3	E4		E5	进口 Inlet (mm)	出口 Outlet (mm)
KUSL020-E1C KUSD015-E1C KUSJ010-E1C	915	1280	472	1230	590	/	/	/	160	3/4	12	22
KUSL040-E1C KUSD030-E1C KUSJ020-E1C	915	1280	472	1230	590	/	/	/	160	3/4	16	28
KUSL060-E2C KUSD045-E2C KUSJ030-E2C	1475	1280	472	1230	575	575	/	/	160	3/4	16	28
KUSL080-E2C KUSD060-E2C KUSJ040-E2C	1475	1280	472	1230	575	575	/	/	160	3/4	16	35
KUSL105-E2C KUSD080-E2C KUSJ055-E2C	1475	1280	472	1230	575	575	/	/	160	1	22	35
KUSL135-E3C KUSD100-E3C KUSJ070-E3C	1855	1280	472	1230	515	500	515	/	160	1	22	42
KUSL185-E4C KUSD140-E4C KUSJ100-E4C	2455	1280	472	1230	532.5	532.5	532.5	/	160	1	25	50
KUSL210-E4C KUSD160-E4C KUSJ115-E4C	2755	1280	472	1230	607.5	607.5	607.5	607.5	160	1	25	50

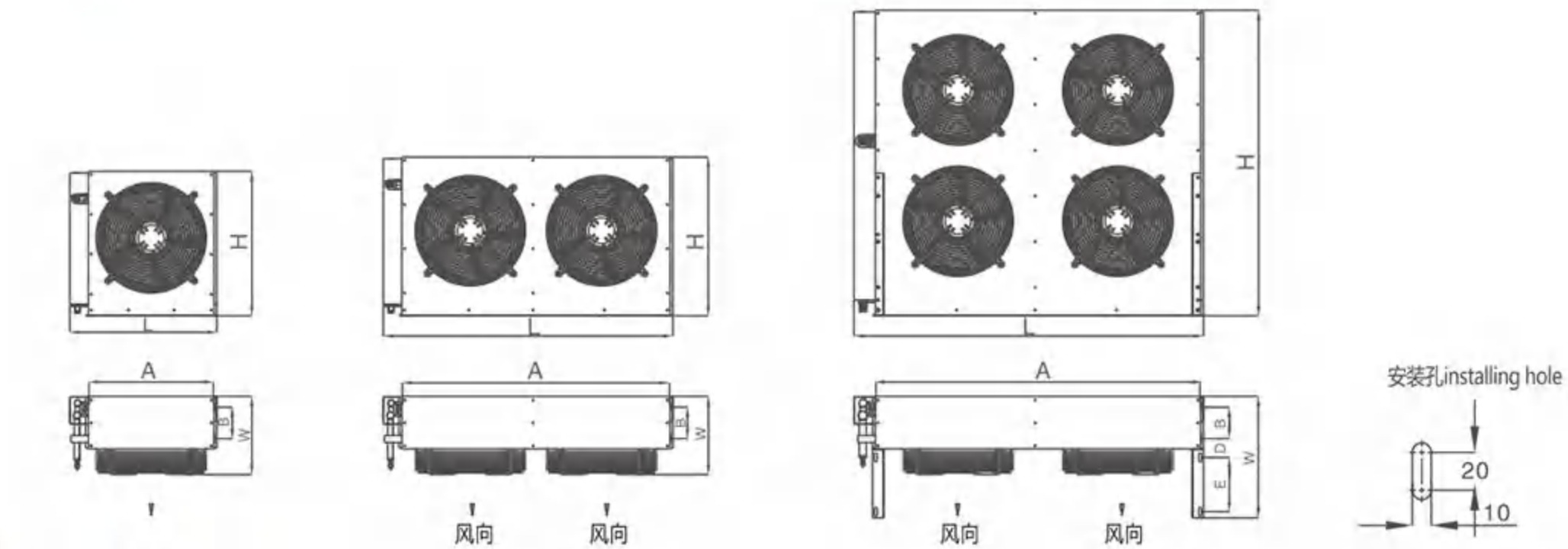


风冷冷凝器命名规则 Nomination



绿冻系列优势 Green Cooling Series Superiority

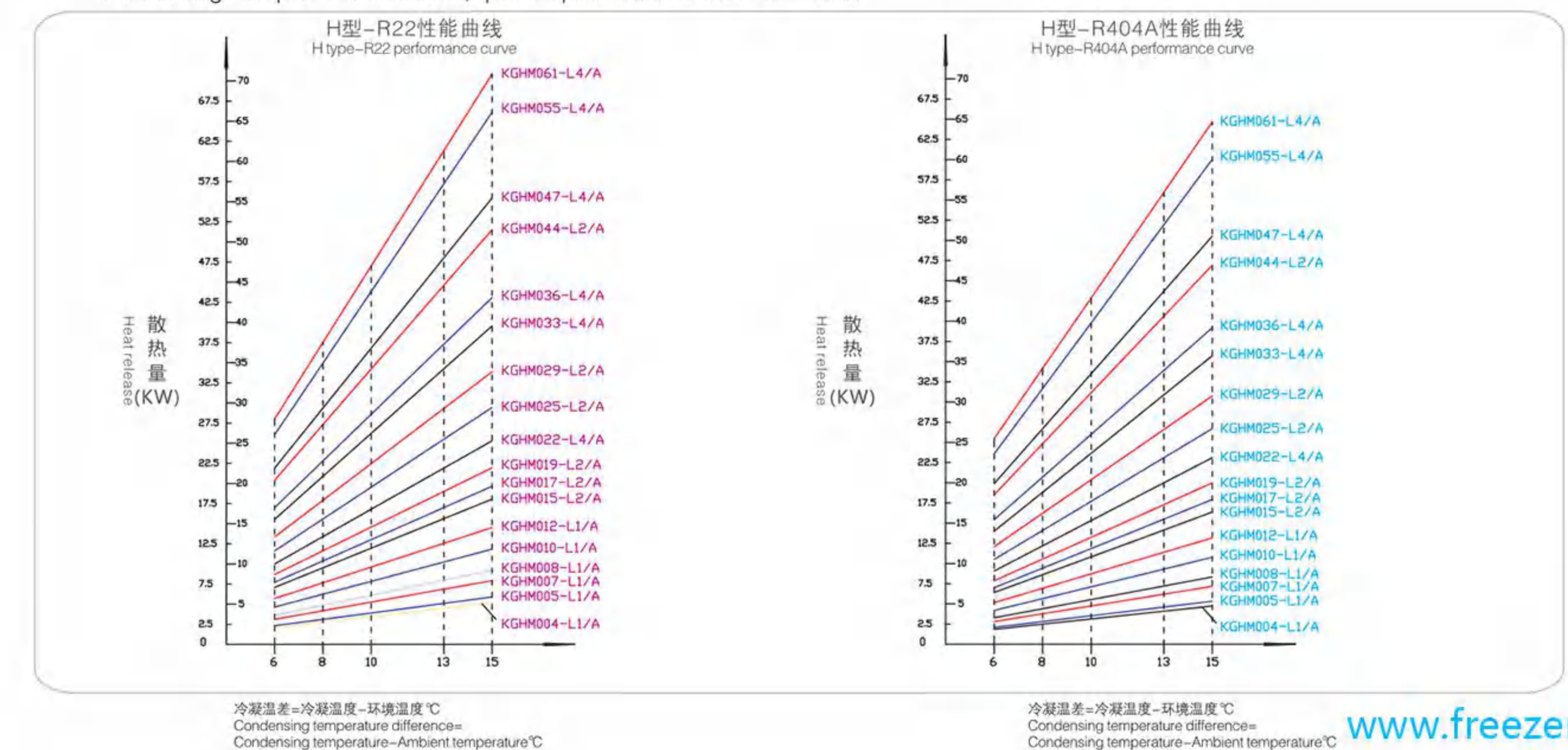
- 内螺纹铜管.....氟侧换热效率提升
Inner grooved copper tube to further improve the heat exchange efficiency on the freon side
- V型波翅片.....风侧换热效率提升
V wave type fin to further improve the heat exchange efficiency on the air side
- 机械胀管.....铜管与翅片导热更好
Mechanical tube expansion to improve the heat exchange between the tubes and fins, and less the leakage possibility
- 管回路优化.....制冷剂放热更充分
Optimized Pipe circuit to make the refrigerant use
- 总计: 换热系数提升可达 20.5%
Totally: the heat exchange coefficient could be improved 20.5% higher



主要技术参数 Technical Data

型号 Model	换热量 Heat exchange capacity(kW)		内容积 Pipe Volume (L)	风机 Fan			尺寸 Size(mm)		进气管 Inlet Φ	出液管 Outlet Φ	重量 Weight (kg)
	R22	R404A		功率 Power (W)	风量 Air flow (m³/h)	风叶 Fan Φ(mm)	L × W × H	A × (B+D+E)			
KGHM004-L1/A	4.4	4.0	1.0	129	2034	350	515 × 275 × 507	436 × 120	19	16	16.5
KGHM005-L1/A	5.0	4.5	1.2	129	2154	350	565 × 275 × 557	486 × 120	19	16	18.5
KGHM007-L1/A	6.7	6.0	1.5	180	3196	400	605 × 277 × 607	526 × 120	19	16	21
KGHM008-L1/A	7.8	7.1	1.9	180	3017	400	605 × 297 × 607	526 × 140	19	16	23
KGHM010-L1/A	9.9	8.9	2.0	250	4051	450	665 × 305 × 622	586 × 140	19	16	34
KGHM012-L1/A	12.2	11.0	2.3	390	5119	500	715 × 305 × 672	636 × 140	19	16	37
KGHM013-L1/A	13	11.6	2.1	2 × 180	5898	400	1015 × 278 × 607	936 × 120	19	16	40
KGHM015-L2/A	15.2	13.7	3.1	2 × 180	5898	400	1015 × 297 × 622	936 × 140	19	16	40
KGHM017-L2/A	16.6	15.0	3.7	2 × 180	6148	400	1015 × 297 × 722	936 × 140	22	19	45
KGHM019-L2/A	18.7	16.9	4.4	2 × 180	6632	400	1215 × 297 × 722	1136 × 140	22	19	50
KGHM022-L4/A	21.5	19.5	5.1	4 × 129	8856	350	1225 × 275 × 1072	1136 × (120+61+190)	25	22	72
KGHM025-L2/A	24.9	22.5	5.5	2 × 250	9190	450	1225 × 305 × 872	1136 × 140	25	19	60
KGHM029-L2/A	28.6	25.9	5.9	2 × 390	11082	500	1225 × 305 × 922	1136 × 140	25	22	66
KGHM033-L4/A	33.7	29.9	7.3	4 × 180	12304	400	1225 × 297 × 1122	1136 × (140+61+190)	25	22	85
KGHM036-L4/A	36.5	33.1	9.1	4 × 180	13024	400	1225 × 297 × 1322	1136 × (140+61+190)	32	25	95
KGHM044-L2/A	43.9	39.8	10.1	2 × 600	15794	550	1425 × 405 × 1322	1336 × (240+61+190)	32	25	105
KGHM047-L4/A	47.1	42.7	10.6	4 × 250	15840	450	1225 × 335 × 1322	1136 × (170+61+190)	32	25	130
KGHM055-L4/A	55.8	50.4	11.4	4 × 390	21804	500	1575 × 305 × 1322	1486 × (140+61+190)	32	25	130
KGHM061-L4/A	60.2	54.6	14.0	4 × 390	20708	500	1575 × 335 × 1322	1486 × (170+61+190)	32	25	140

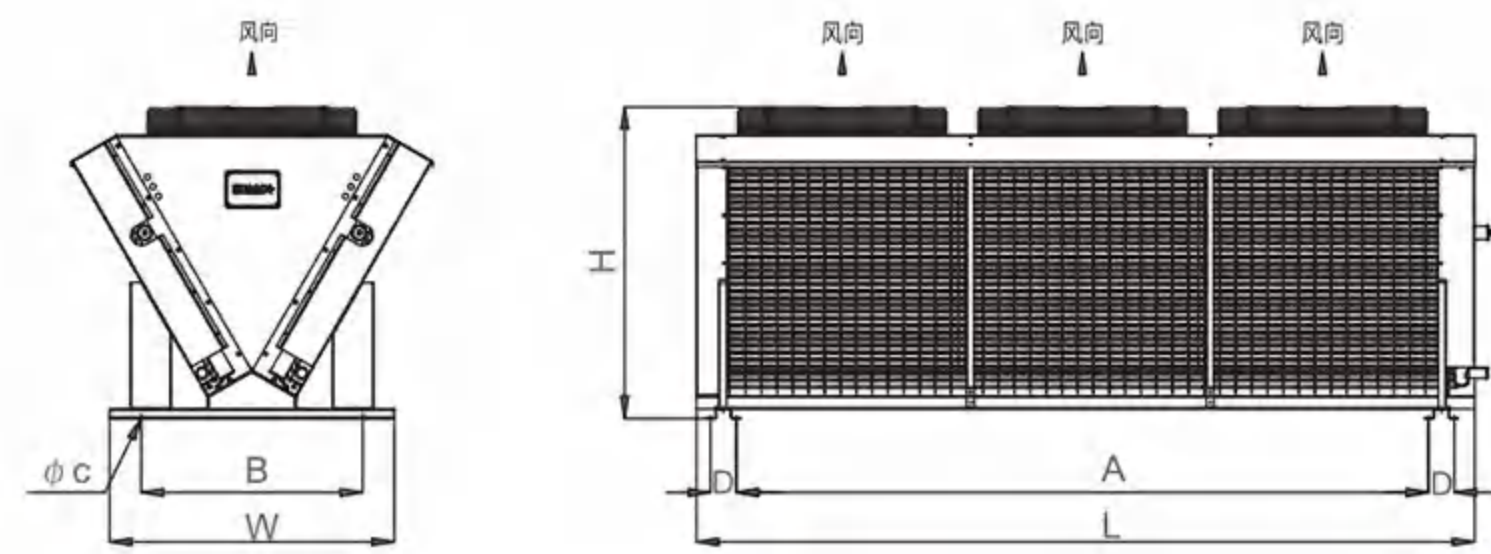
注: 换热量基于环境温度32℃, 冷凝温度45℃, R22排气温度95℃, R404A排气温度62℃, 电制380V-3P-50Hz
Note: Heat exchange capacity is based on environmental temp. 32℃, condensing temp. 45℃, the discharge temp. of R22 is 95℃, the discharge temp. of R404A is 62℃, power specification is 380V-3P-50Hz.





绿冻高效风冷凝器 Green Cooling Air-cooled condenser

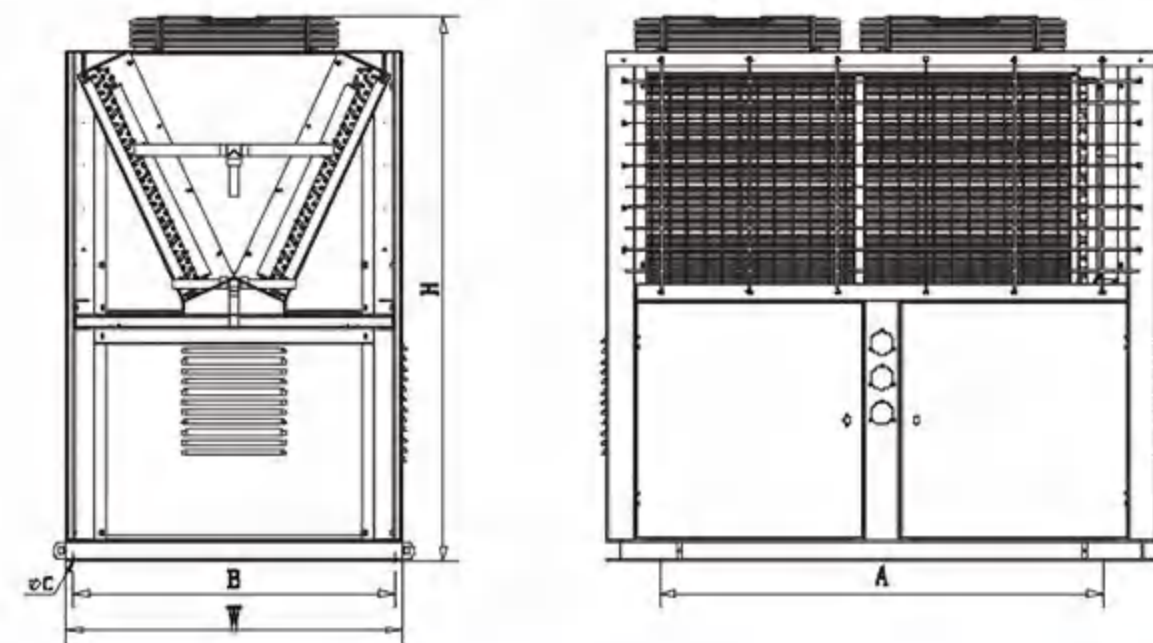
V型高效风冷冷凝器
V type air cooled condenser



主要技术参数 Technical Data

型号 Model	换热量 Heat exchange capacity(kW)		内容积 Pipe Volume (L)	风机 Fan			尺寸 Size(mm)					重量 Weight (kg)
	R22	R404A		功率 Power (W)	风量 Air flow (m³/h)	风叶 Fan Φ(mm)	L × W × H	(A+D) × B	ΦC	进气管 Inlet Φ	出液管 Outlet Φ	
KGVT027-L2/A	27.5	25	7.9	2 × 250	9922	450	1280 × 900 × 780	(982+82) × 700	13	2 × 25	2 × 19	115
KGVT039-L2/A	39.6	35.7	9.7	2 × 600	15584	550	1480 × 900 × 780	(1182+82) × 700	13	2 × 32	2 × 25	132
KGVT042-L2/A	42.5	38.4	11.3	2 × 600	15988	550	1480 × 1000 × 870	(1182+82) × 700	13	2 × 32	2 × 25	150
KGVT047-L2/A	47.4	42.8	12	2 × 780	19064	600	1570 × 1000 × 860	(1278+82) × 700	13	2 × 32	2 × 25	157
KGVT056-L2/A	56.8	50.8	13.2	2 × 800	22830	630	1660 × 1000 × 860	(1368+82) × 700	13	2 × 32	2 × 25	167
KGVT059-L2/A	59.2	53.1	14.1	2 × 800	23084	630	1730 × 1050 × 900	(1438+82) × 700	13	2 × 32	2 × 25	175
KGVT062-L2/A	62.7	56.9	16.2	2 × 800	23536	630	2140 × 1000 × 860	(1848+82) × 700	13	2 × 32	2 × 25	192
KGVT074-L3/A	73.9	67	17.5	3 × 780	28928	600	2290 × 1000 × 860	(1988+82) × 700	13	2 × 32	2 × 28	211
KGVT085-L3/A	85.7	76.6	18.9	3 × 800	34020	630	2490 × 1000 × 860	(2188+82) × 700	13	2 × 32	2 × 28	233
KGVT093-L3/A	93.5	84.2	24	3 × 800	35112	630	2500 × 1150 × 990	(2188+82) × 700	13	2 × 42	2 × 32	273
KGVT098-L3/A	97.9	88.8	26.9	3 × 800	35388	630	2820 × 1150 × 990	(2508+82) × 700	13	2 × 42	2 × 32	282
KGVT102-L3/A	102.2	94.2	30	3 × 800	35896	630	2820 × 1100 × 1100	(2508+82) × 900	13	2 × 42	2 × 32	299
KGVT132-L4/A	132.9	120.9	36.4	4 × 800	47716	630	3450 × 1110 × 1100	(3133+82) × 900	13	2 × 50	2 × 32	365

注：换热量基于环境温度32℃，冷凝温度45℃，R22排气温度95℃，R404A排气温度62℃，电制380V-3P-50Hz
Note: Heat exchange capacity is based on environmental temp. 32℃, condensing temp. 45℃, the discharge temp. of R22 is 95℃, the discharge temp. of R404A is 62℃, power specification is 380V-3P-50Hz



V型高效箱式风冷冷凝器
V type efficient boxing air cooled condenser

主要技术参数 Technical Data

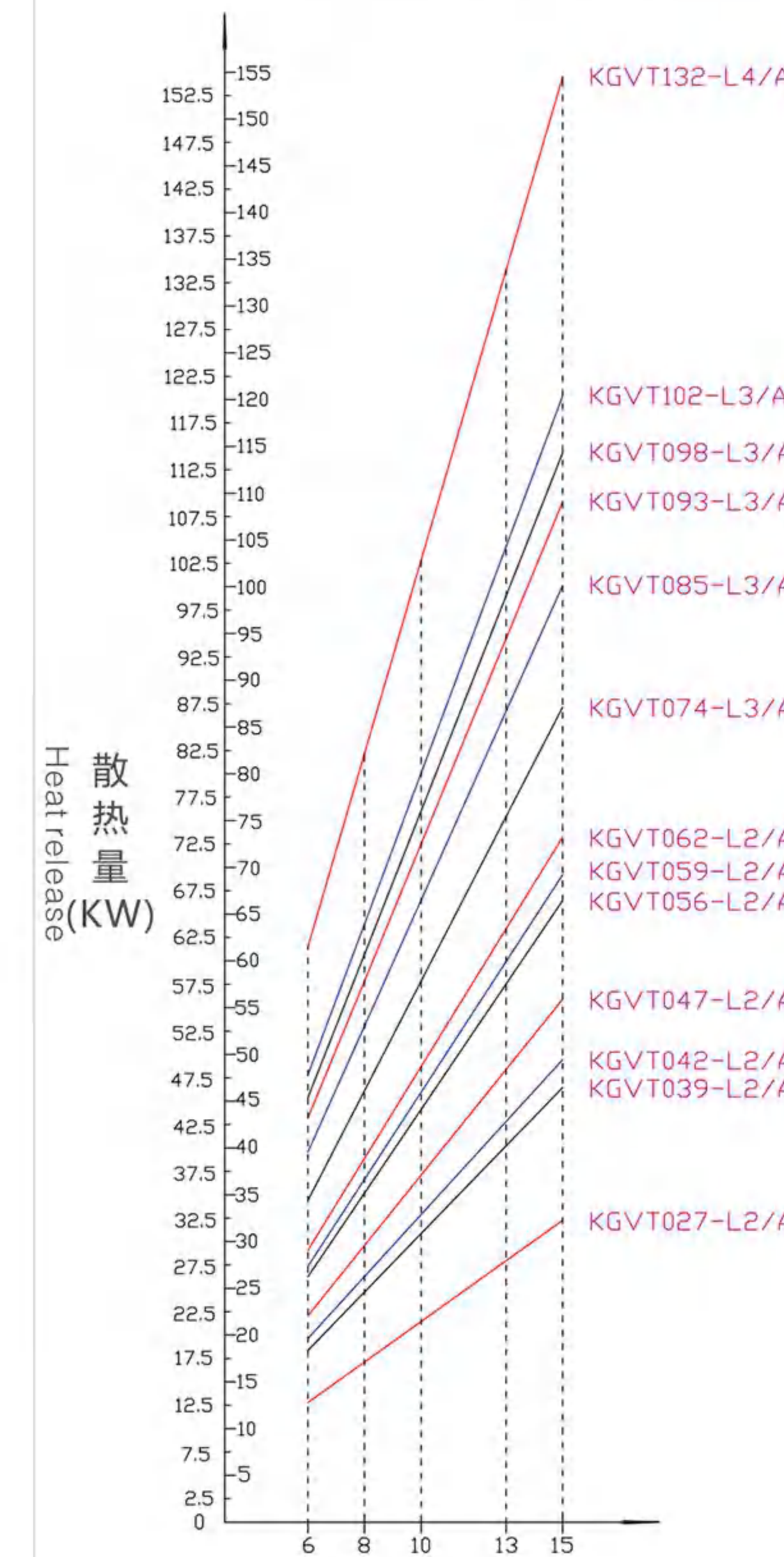
型号 Model	换热量 Heat exchange capacity(kW)		内容积 Pipe Volume (L)	风机 Fan			尺寸 Size(mm)					重量 Weight (kg)
	R22	R404A		功率 Power (W)	风量 Air flow (m³/h)	风叶 Fan Φ(mm)	L × W × H	(A+D) × B	ΦC	进气管 Inlet Φ	出液管 Outlet Φ	
KGVK027-L2/A	27.5	25	7.9	2 × 250	9922	450	1358 × 933 × 1465	1078 × 834	13	25	19	115
KGVK039-L2/A	39.6	35.7	9.7	2 × 600	15584	550	1558 × 933 × 1465	1278 × 834	13	32	25	132
KGVK042-L2/A	42.5	38.4	11.3	2 × 600	15988	550	1558 × 1018 × 1555	1278 × 919	13	32	25	150
KGVK047-L2/A	47.4	42.8	12	2 × 780	19064	600	1654 × 1018 × 1545	1374 × 919	13	32	25	157
KGVK056-L2/A	56.8	50.8	13.2	2 × 800	22830	630	1744 × 1018 × 1545	1464 × 919	13	32	25	167
KGVK059-L2/A	59.2	53.1	14.1	2 × 800	23084	630	1814 × 1058 × 1590	1534 × 959	13	32	25	175
KGVK062-L2/A	62.7	56.9	16.2	2 × 800	23536	630	2224 × 1018 × 1545	1944 × 919	13	32	25	192
KGVK074-L3/A	73.9	67	17.5	3 × 780	28928	600	2364 × 1018 × 1545	2084 × 919	13	32	28	211
KGVK085-L3/A	85.7	76.6	18.9	3 × 800	34020	630	2564 × 1018 × 1545	2284 × 919	13	32	28	233
KGVK093-L3/A	93.5	84.2	24	3 × 800	35112	630	2564 × 1143 × 1680	2284 × 1044	13	42	32	273
KGVK098-L3/A	97.9	88.8	26.9	3 × 800	35388	630	2884 × 1143 × 1680	2604 × 1044	13	42	32	282
KGVK102-L3/A	102.2	94.2	30	3 × 800	35896	630	2884 × 1227 × 1770	2604 × 1128	13	42	32	299
KGVK132-L4/A	132.9	120.9	36.4	4 × 800	47716	630	3509 × 1227 × 1770	3229 × 1128	13	50	32	365

注：换热量基于环境温度32℃，冷凝温度45℃，R22排气温度95℃，R404A排气温度62℃，电制380V-3P-50Hz
Note: Heat exchange capacity is based on environmental temp. 32℃, condensing temp. 45℃, the discharge temp. of R22 is 95℃, the discharge temp. of R404A is 62℃, power specification is 380V-3P-50Hz

绿冻高效风冷凝器 Green Cooling Air-cooled condenser

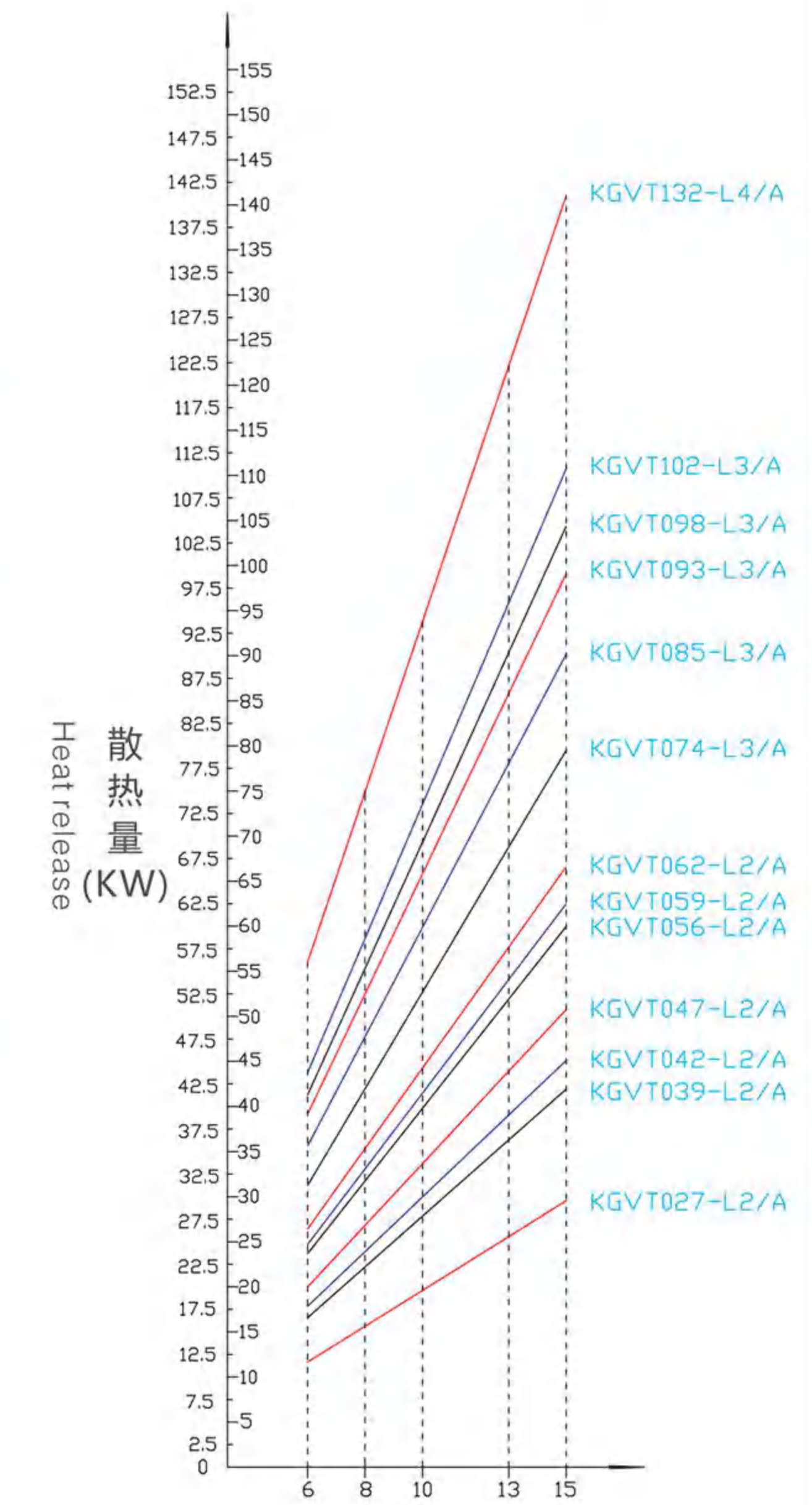


V型-R22性能曲线
V type-R22 performance curve



冷凝温差=冷凝温度-环境温度℃
Condensing temperature difference=
Condensing temperature-Ambient temperature℃

V型-R404A性能曲线
V type-R404A performance curve

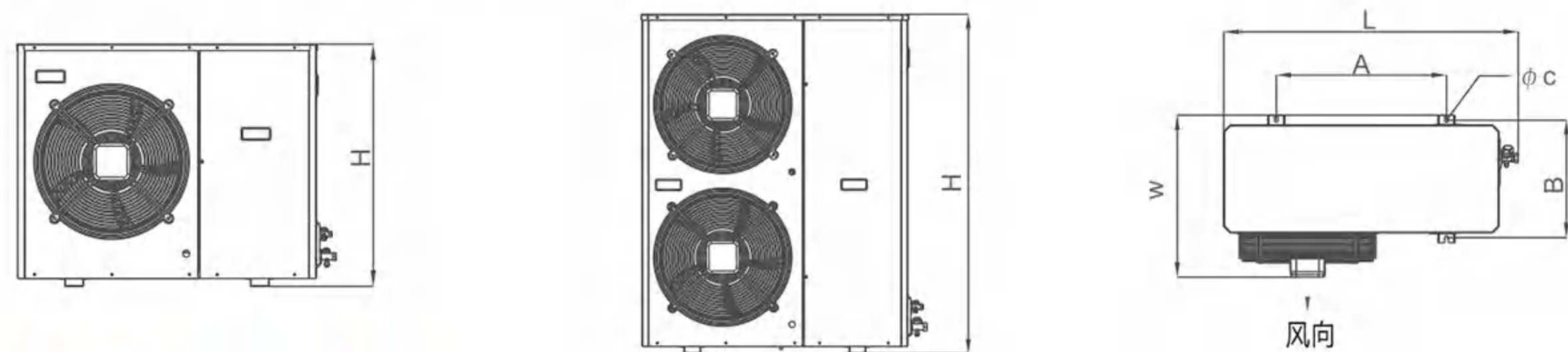


冷凝温差=冷凝温度-环境温度℃
Condensing temperature difference=
Condensing temperature-Ambient temperature℃



绿冻高效风冷凝器 Green Cooling Air-cooled condenser

L型高效箱式风冷凝器 L type efficient boxing air cooled condenser

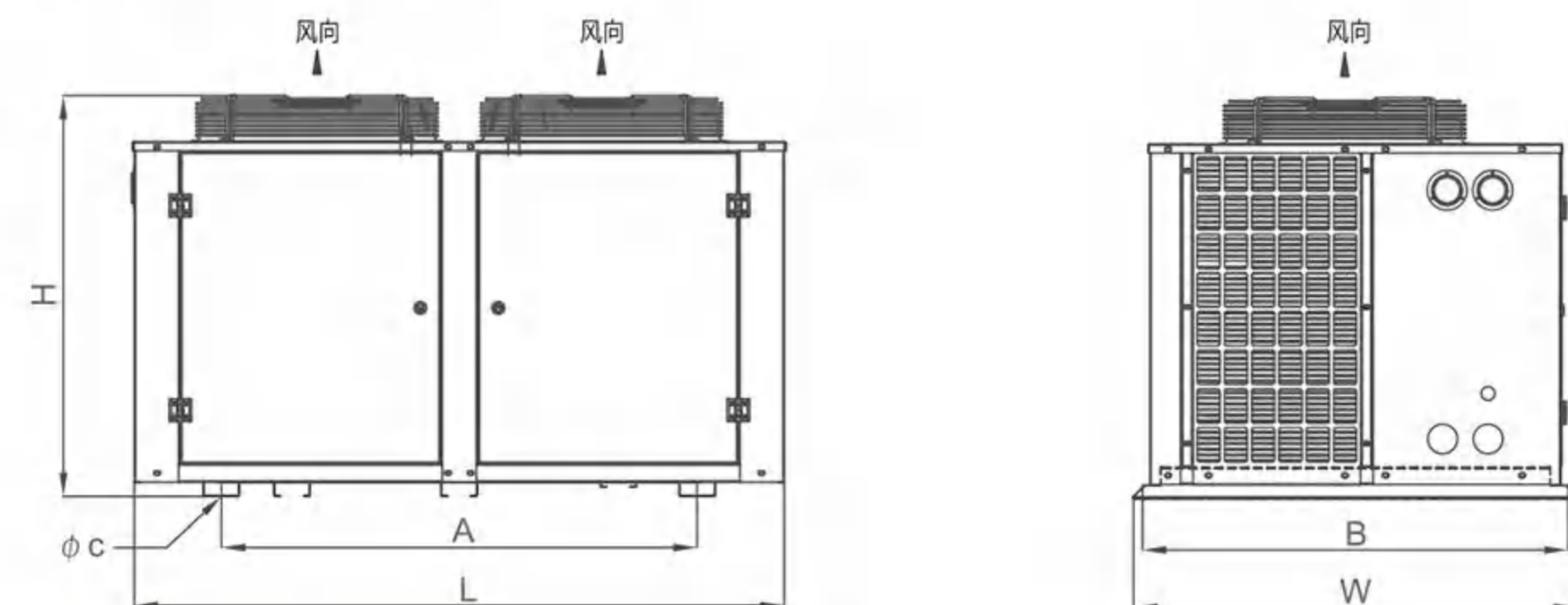


主要技术参数 Technical Data

型号 Model	换热量 Heat exchange capacity(kW)		内容积 Pipe Volume (L)	风机 Fan			尺寸 Size(mm)					重量 Weight (kg)
	R22	R404A		功率 Power (W)	风量 Air flow (m³/h)	风叶 Fan Φ(mm)	L × W × H	A × B	ΦC	进气管 Inlet Φ	出液管 Outlet Φ	
KGMK007-L1/B	7.5	6.71	1.2	250	5114	450	1038 × 571 × 783	600 × 414	11	10	16	42
KGMK009-L1/B	8.83	7.94	1.5	250	5004	450	1038 × 571 × 783	600 × 414	11	10	16	43
KGMK010-L1/B	10.3	9.27	1.9	250	4771	450	1038 × 571 × 783	600 × 414	11	10	16	45
KGMK015-L2/B	15.2	13.6	2.2	2 × 250	10114	450	1038 × 571 × 1233.5	600 × 414	11	12	19	62
KGMK016-L2/B	16.3	14.7	2.5	2 × 250	10009	450	1038 × 571 × 1233.5	600 × 414	11	12	19	63
KGMK018-L2/B	18.7	16.8	3.0	2 × 250	9628	450	1038 × 571 × 1233.5	600 × 414	11	12	19	65

注：换热量基于环境温度32℃，冷凝温度45℃，R22排气温度95℃，R404A排气温度62℃，电制380V-3P-50Hz
Note: Heat exchange capacity is based on environmental temp. 32℃, condensing temp. 45℃, the discharge temp. of R22 is 95℃, the discharge temp. of R404A is 62℃, power specification is 380V-3P-50Hz

U型高效箱式风冷凝器 U type efficient boxing air cooled condenser



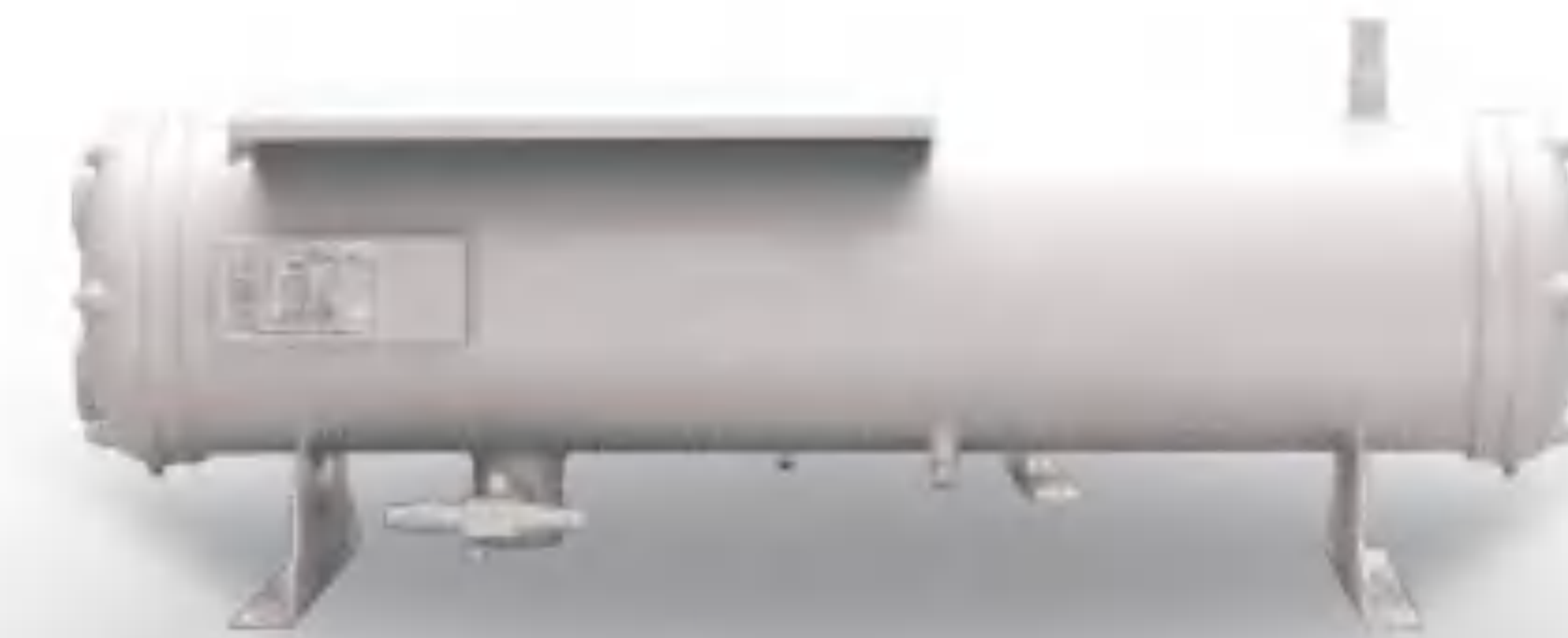
主要技术参数 Technical Data

型号 Model	换热量 Heat exchange capacity(kW)		内容积 Pipe Volume (L)	风机 Fan			尺寸 Size(mm)					重量 Weight (kg)
	R22	R404A		功率 Power (W)	风量 Air flow (m³/h)	风叶 Fan Φ(mm)	L × W × H	A × B	ΦC	进气管 Inlet Φ	出液管 Outlet Φ	
KGUK017-L1/A	17.0	15.3	3.2	600	8539	550	918 × 820 × 858	650 × 790	13	22	16	88
KGUK018-L2/A	17.9	16.2	4.3	2 × 180	7592	400	1168 × 875 × 900	745 × 835	13	28	19	107
KGUK023-L2/A	23.5	21.2	5.0	2 × 250	10505	450	1430 × 925 × 900	1145 × 885	13	28	19	132
KGUK030-L2/A	30.6	27.6	6.2	2 × 390	12736	500	1430 × 975 × 900	1045 × 975	13	28	22	144
KGUK033-L2/A	33.8	30.6	7.1	2 × 390	13026	500	1430 × 1045 × 900	1040 × 1005	13	28	22	151
KGUK041-L2/A	41.5	37.6	8.5	2 × 600	16225	550	1530 × 1075 × 1030	1140 × 1035	13	28	22	166
KGUK051-L2/A	51.3	46.4	10.5	2 × 780	19986	600	1630 × 1130 × 1110	1140 × 1090	13	28	25	200
KGUK053-L2/A	53.5	48.5	11.6	2 × 780	20165	600	1630 × 1130 × 1110	1140 × 1090	13	35	25	204

注：换热量基于环境温度32℃，冷凝温度45℃，R22排气温度95℃，R404A排气温度62℃，电制380V-3P-50Hz
Note: Heat exchange capacity is based on environmental temp. 32℃, condensing temp. 45℃, the discharge temp. of R22 is 95℃, the discharge temp. of R404A is 62℃, power specification is 380V-3P-50Hz



壳管水冷冷凝器 Shell & tube water cooled condenser



洋川系列产品之一壳管式换热器作为特种设备压力容器产品，为了用户能够安心的使用，办理由质量技术监督局颁发的特种设备制造许可证，严格按照许可证要求选材、制造、检验出厂；现有壳管式水冷凝器、海水型水冷凝器、直管型（U型）单双机干式蒸发器、储液器等系列产品；换热量涵盖了从8.3KW到397.8KW；适用于R134a · R404A · R507 · R407C · R22各类制冷剂。

Shell and tube heat exchanger is one of YC special pressure vessel equipment with special equipment manufacturing license issued by Administration of Quality and Technology Supervision of P.R.C. We select material, produce and inspect every piece of shell & tube heat exchangers strictly subject to requests of manufacturing license. This series of products contains: shell and tube condenser, sea water condenser, dry evaporator for single/two-stage compressor(with direct/U type copper pipes), receiver...etc. Capacity of this series covers from 8.3KW to 397.8KW, fitting for different refrigerant, such as R134a · R404A · R507 · R407C · R22.

产品主要特点

- 严格按照《制冷装置用压力容器》生产和验收，确保产品的质量；
- 采用高效外螺纹铜管，换热效率高，体积小、重量轻；
- 在2.4MPa气压下进行气密性试验，保证了产品出厂质量；
- 压力容器带有“安全易熔塞”，壳程里的液体温度达到一定时，将自动融化、降压，确保安全；
- 冷凝器的端盖设有排水装置，以免冬天由于环境温度低而造成管程内的积水结冰冻破换热管。

Characteristics

- Production and inspection perform strictly according to 《Pressure vessel for refrigeration equipment》;
- Use effective out whorl copper pipe, high heat exchange efficiency, compact size, light weight;
- Guaranteed quality; tightness examination up to 2.4MPa gas pressure before delivery;
- Pressure vessel equipped with "safe fusible plug", it can automatically melt when liquid temperature in the shell reach a certain degree to guarantee safety;
- Condenser end cap has water-drain device, to avoid tube damage caused by frozen water in cold winter.

应用范围

- 冷冻行业、冷库工程
- 农业、食品、饭店、化工行业
- 配套中央空调主机设备

Application

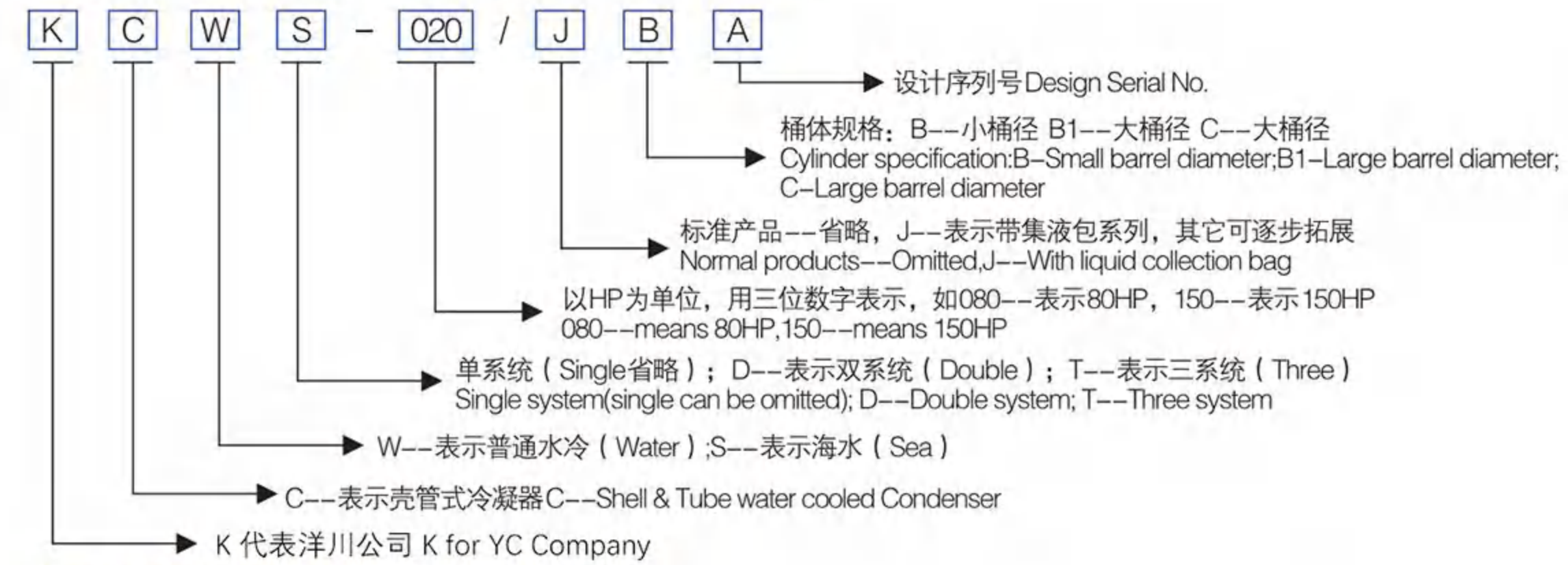
- Refrigeration industry, cold room project
- Agricultural, food, restaurant, chemical industry
- Central air conditioning

➡ 可以根据客户要求进行非标设计。Tailor-made for customers



壳管水冷冷凝器 Shell & tube water cooled condenser

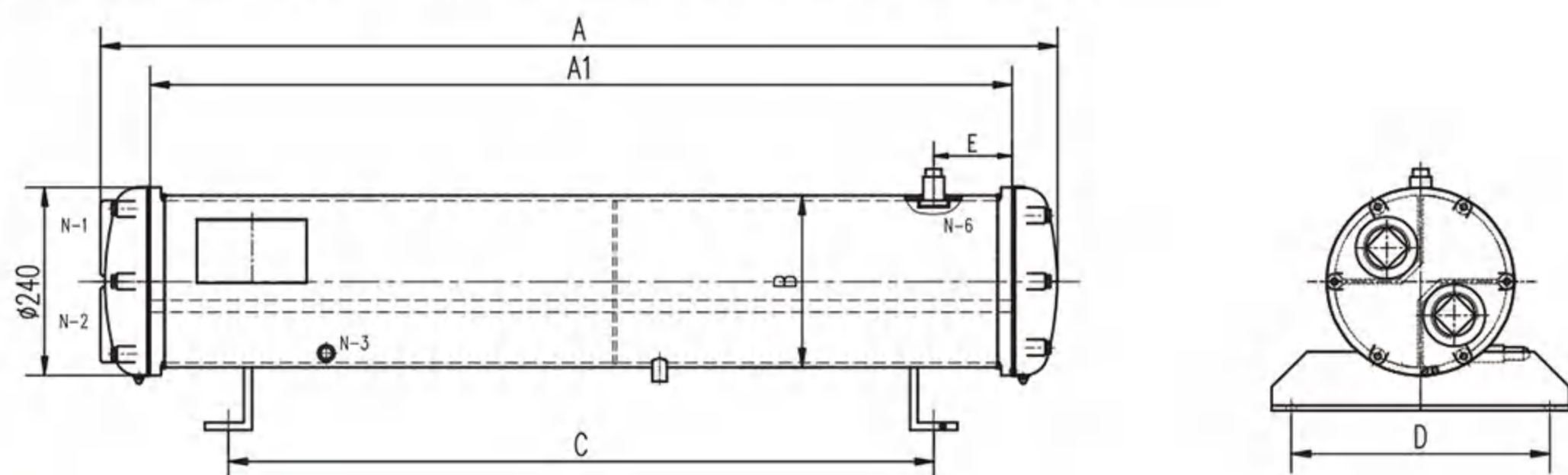
壳管式水冷冷凝器命名规定 NAMING RULES



单系统壳管水冷冷凝器 Single system

型号 Model	配用机组 (HP)	换热量(kW) Capacity	外型尺寸及安装尺寸(mm) Dimension and physical size						出液/进气管(mm) Inlet & outlet tube Φ		水管管径Φ Water tube N-1/N-2(RC)	重量 Weight (kg)
			A	A1	B	C	D	E	N-3	N-6		
KCWS-003/JBA	3	8.3	827	700	168	500	280	100	12	16	1"	44
KCWS-005/JBA	5	12.5	827	700	168	500	280	100	12	22	1-1/2"	46
KCWS-008/JBA	8	19	927	800	168	600	280	100	16	22	1-1/2"	52
KCWS-010/JBA	10	23.7	1127	1000	168	800	280	100	16	28	1-1/2"	60
KCWS-015/JBA	15	36.9	1249	1100	219	900	330	100	19	28	2"	93
KCWS-020/JBA	20	43.4	1249	1100	219	900	330	100	19	28	2"	96
KCWS-025/JBA	25	50.4	1309	1160	219	960	330	100	22	35	2"	101
KCWS-030/JBA	30	59.2	1649	1500	219	1100	330	100	28	35	2"	116
KCWS-040/JBA	40	88.8	1621	1500	219	1100	330	100	28	42	2-1/2"	126
KCWS-070/JBA	70	154.3	1848	1700	273	1100	380	100	42	54	3"	205
KCWS-080/JBA	80	176.9	2098	1950	273	1200	380	100	42	54	3"	230
KCWS-005/JB1A	5	13.3	1021	900	219	700	330	100	12	22	1-1/2"	58
KCWS-008/JB1A	8	19.7	1121	1000	219	800	330	100	16	22	1-1/2"	76
KCWS-010/JB1A	10	24.7	1121	1000	219	800	330	100	16	28	1-1/2"	78
KCWS-015/JB1A	15	36.9	1251	1100	273	900	380	100	19	28	2"	121
KCWS-020/JB1A	20	43.0	1358	1210	273	900	380	100	22	28	2"	124
KCWS-025/JB1A	25	50.3	1648	1500	273	1100	380	100	22	35	2"	142
KCWS-030/JB1A	30	59.2	1648	1500	273	1100	380	100	28	35	2"	146
KCWS-035/JB1A	35	71.0	1648	1500	273	1100	380	100	28	35	2-1/2"	151
KCWS-040/JB1A	40	88.7	1648	1500	273	1100	380	100	28	42	2-1/2"	160
KCWS-050/JB1A	50	100.6	1848	1700	273	1300	380	100	35	42	2-1/2"	176
KCWS-060/JB1A	60	130.7	1848	1700	273	1300	380	100	35	42	2-1/2"	190

注: 压力表接口N-4: RC 1/8"; 易熔塞接口N-5: RC 3/8"
Remark: pressure meter interface N-4: RC 1/8"; safe fusible plug interface N-5: RC 3/8"



壳管水冷冷凝器 Shell & tube water cooled condenser

C系列单系统壳管水冷冷凝器技术参数 Technical data of C series

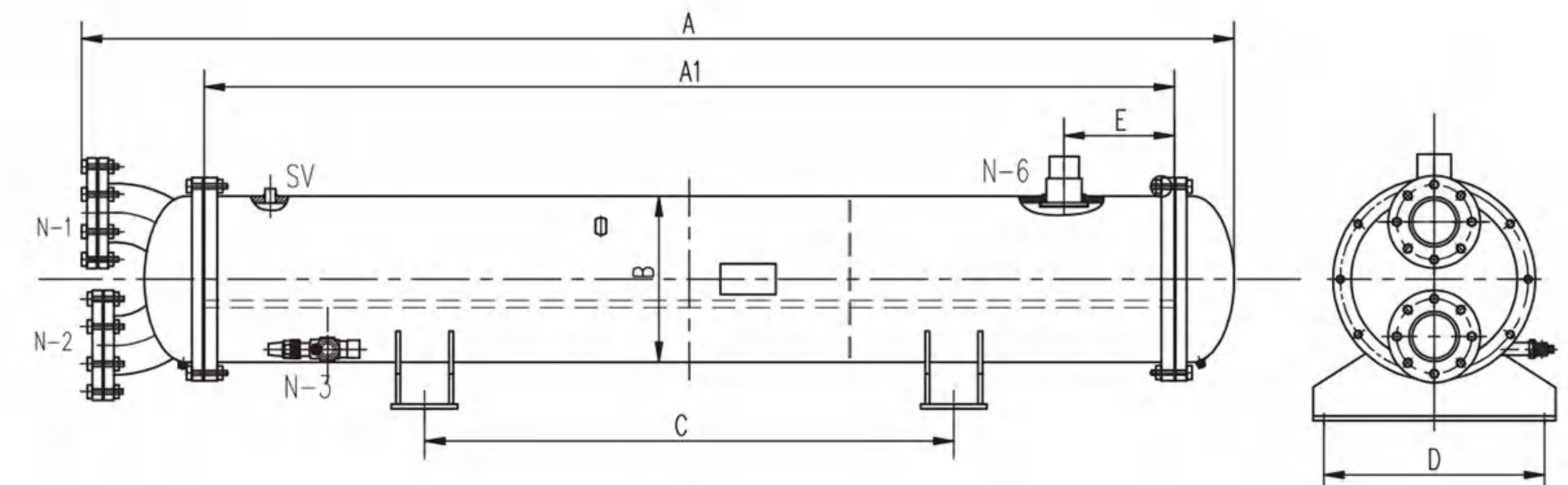
型号 Model	配用机组 (HP)	换热量(kW) Capacity	外型尺寸及安装尺寸(mm) Dimension and physical size					
			A	A1	B	C	D	E
KCWS-070/JCA	70	154.4	2035	1700	325	1000	450	150
KCWS-080/JCA	80	177.1	2285	1950	325	1200	450	150
KCWS-090/JCA	90	200.2	2285	1950	325	1200	450	150
KCWS-100/JCA	100	223.9	2436	2100	325	1300	450	200
KCWS-120/JCA	120	263.3	2636	2300	325	1500	450	200
KCWS-130/JCA	130	284.3	2813	2400	377	1400	500	250
KCWS-140/JCA	140	303.2	2813	2400	377	1400	500	250
KCWS-150/JCA	150	320.8	2913	2500	377	1500	500	250
KCWS-160/JCA	160	338.1	2913	2500	377	1500	500	250
KCWS-180/JCA	180	355.3	2913	2500	377	1500	500	250
KCWS-200/JCA	200	397.8	3013	2600	377	1600	500	250

注: 压力表接口N-4: RC 1/8"; 易熔塞接口N-5: RC 3/8"
Remark: pressure gauge interface N-4: RC 1/8"; safe fusible plug interface N-5: RC 3/8"

型号 Model	连接口直径 Connection Φ				SV/安全阀(英寸) Safe valve (inch)
	N-6/进气(mm) Gas inlet	N-3/出液(mm) Liquid outlet	N-2/进水(英寸) Water inlet (inch)	N-1/出水(mm) Water outlet	
KCWS-070/JCA	54	42	3	3	Rc3/8
KCWS-080/JCA	54	42	3	3	
KCWS-090/JCA	54	42	3	3	
KCWS-100/JCA	54	42	4	4	
KCWS-120/JCA	54	42	4	4	
KCWS-130/JCA	67	54	4	4	
KCWS-140/JCA	67	54	4	4	
KCWS-150/JCA	67	54	4	4	
KCWS-160/JCA	67	54	4	4	
KCWS-180/JCA	76	54	5	5	
KCWS-200/JCA	76	54	5	5	

注: 安全阀为选配件 Remark: safe valve is optional components;

C系列单系统壳管水冷冷凝器外形尺寸及安装尺寸图 Dimension & physical size of C series





壳管水冷冷凝器 Shell & tube water cooled condenser

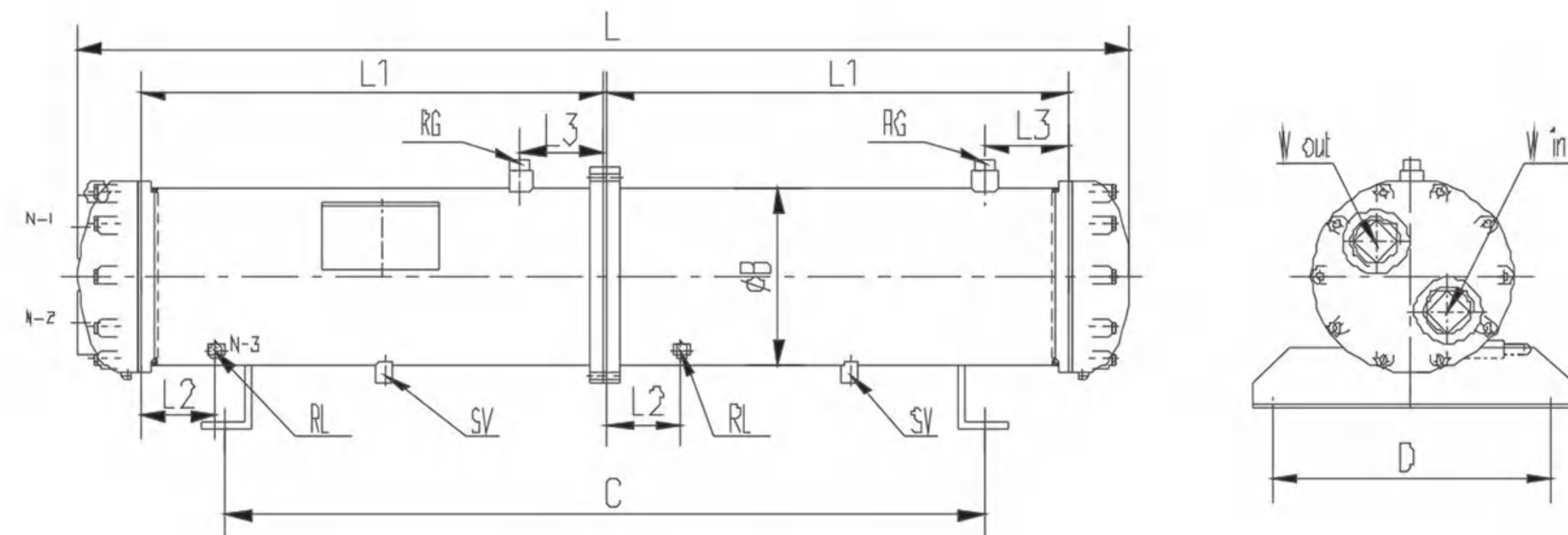
双系统壳管水冷冷凝器 Double system

技术参数 Technical data

型号 Model	配用机组 (HP)	换热量(kW) Capacity	外型尺寸及安装尺寸(mm) Dimension and physical size							重量 Weight (kg)
			L	L1	L2	L3	B	C	D	
KCWD-010/JBA	2×5	2×11.8	1130	500	90	100	168	800	280	65
KCWD-015/JBA	2×7.5	2×18.5	1252	550	90	100	219	900	330	75
KCWD-020/JBA	2×10	2×21.7	1252	550	90	100	219	900	330	86
KCWD-025/JBA	2×12.5	2×24.9	1412	630	100	100	219	1000	330	110
KCWD-030/JBA	2×15	2×29.6	1652	750	100	100	219	1200	330	140
KCWD-040/JBA	2×20	2×44.2	1752	800	150	100	219	1200	330	170
KCWD-050/JBA	2×25	2×49.7	1953	900	150	100	273	1300	380	210
KCWD-060/JBA	2×30	2×62.2	1953	900	150	100	273	1300	380	260
KCWD-070/JBA	2×35	2×74.6	1953	900	150	100	273	1300	380	300
KCWD-080/JBA	2×40	2×82.9	2153	1000	150	100	273	1500	380	340

型号 Model	连接口直径 Connection Φ				
	RG/进气(mm) Gas inlet	RL/出液(mm) Liquid outlet	Win/进水(英寸) Water inlet (inch)	Wout/出水(英寸) Water outlet (inch)	SV/易熔塞(英寸) SV/Safe valve (inch)
KCWD-010/JBA	16	12	1-1/2	1-1/2	Rc3/8
KCWD-015/JBA	22	16	2	2	
KCWD-020/JBA	28	16	2	2	
KCWD-025/JBA	28	16	2	2	
KCWD-030/JBA	28	19	2	2	
KCWD-040/JBA	28	22	2-1/2	2-1/2	
KCWD-050/JBA	35	22	2-1/2	2-1/2	
KCWD-060/JBA	35	28	2-1/2	2-1/2	
KCWD-070/JBA	35	28	3	3	
KCWD-080/JBA	42	28	3	3	

双系统壳管冷凝器外形尺寸图 Dimension of double system



壳管水冷冷凝器 Shell & tube water cooled condenser

海水型水冷冷凝器 Sea water cooled condenser

技术参数 Technical data

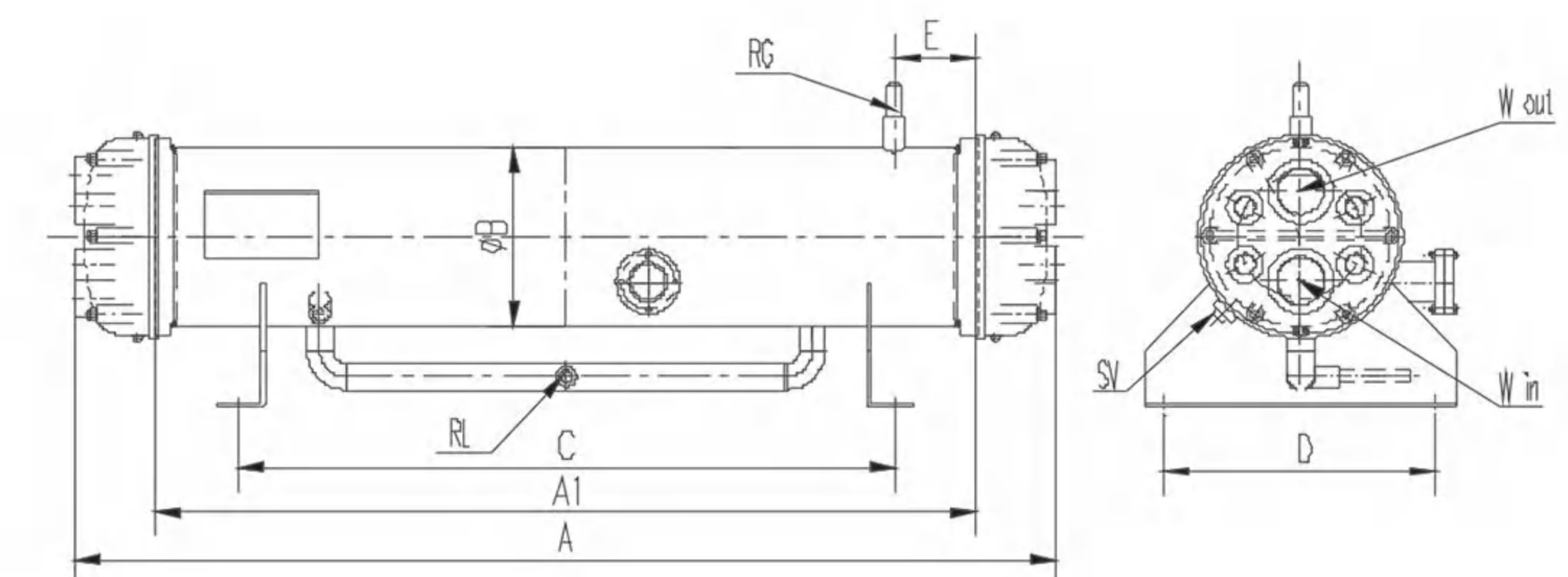
型号 Model	配用机组 (HP)	换热量(kW) Capacity	外型尺寸及安装尺寸(mm) Dimension and physical size					
			A	A1	B	C	D	E
KCSS-005/JBA	5	13.3	1096	900	219	700	330	100
KCSS-008/JBA	8	19.7	1196	1000	219	800	330	100
KCSS-010/JBA	10	24.7	1196	1000	219	800	330	100
KCSS-015/JBA	15	36.9	1296	1100	273	900	380	100
KCSS-020/JBA	20	43.0	1406	1210	273	900	380	100
KCSS-025/JBA	25	50.3	1696	1500	273	1100	380	100
KCSS-030/JBA	30	59.2	1696	1500	273	1100	380	100
KCSS-035/JBA	35	71.0	1696	1500	273	1100	380	100
KCSS-040/JBA	40	88.7	1696	1500	273	1100	380	100
KCSS-050/JBA	50	100.6	1896	1700	273	1300	380	100

注: 易熔塞接口SV: RC 3/8"

Remark: safe fusible plug interface N-5: RC 3/8"

型号 Model	连接口直径 Connection Φ				
	RG/进气(mm) Gas inlet	RL/出液(mm) Liquid outlet	Win/进水(英寸) Water inlet (inch)	Wout/出水(英寸) Water outlet (inch)	SV/易熔塞(英寸) SV/Safe valve (inch)
KCSS-005/JBA	12	22	1-1/2"	1-1/2"	Rc3/8"
KCSS-008/JBA	16	22	1-1/2"	1-1/2"	
KCSS-010/JBA	16	28	1-1/2"	1-1/2"	
KCSS-015/JBA	19	28	2-1/2"	2-1/2"	
KCSS-020/JBA	22	28	2-1/2"	2-1/2"	
KCSS-025/JBA	22	35	2-1/2"	2-1/2"	
KCSS-030/JBA	28	35	2-1/2"	2-1/2"	
KCSS-035/JBA	28	35	2-1/2"	2-1/2"	
KCSS-040/JBA	28	42	2-1/2"	2-1/2"	
KCSS-050/JBA	35	42	2-1/2"	2-1/2"	

外形尺寸及安装尺寸示意图 General drawing of dimension and physical sizes





壳管式干式蒸发器 Shell & tube dry evaporator



产品主要特点

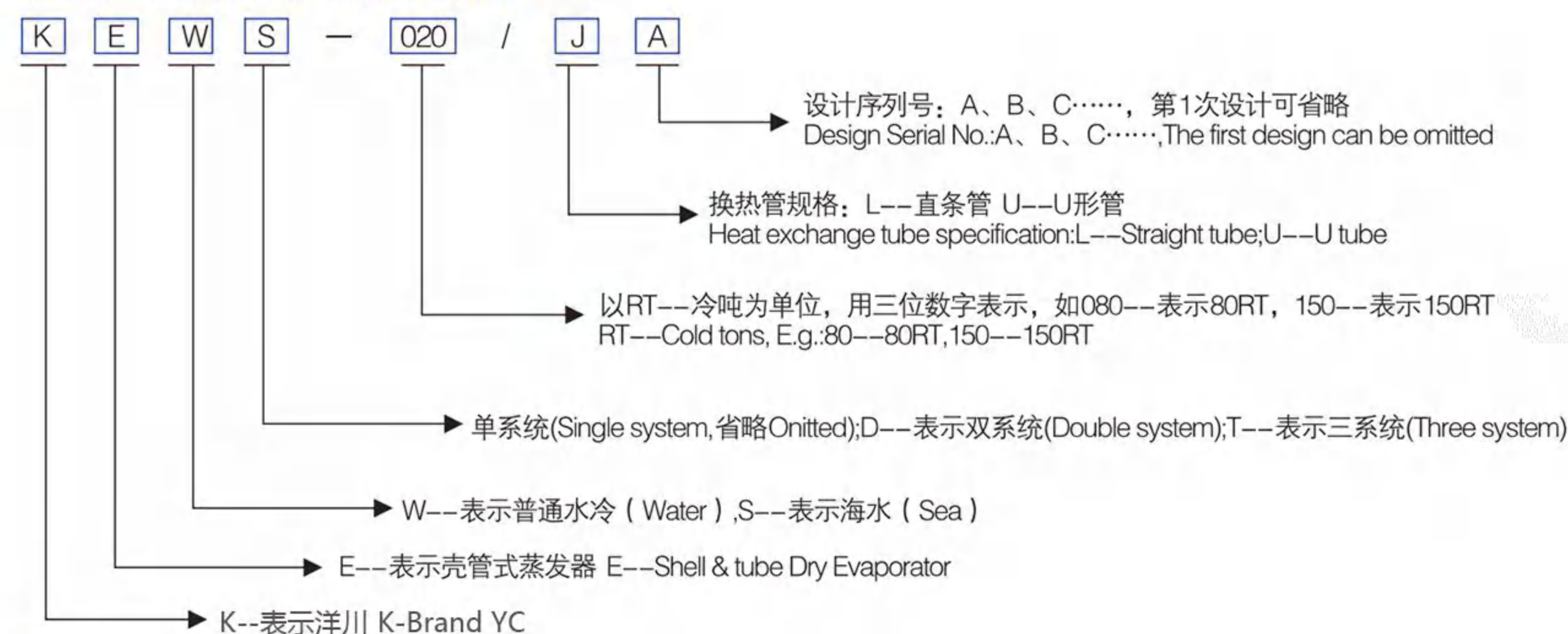
- 严格按照《氟利昂制冷装置用干式蒸发器》生产和验收，确保产品的质量；
- 采用内螺纹铜管，增强管内侧换热；
- 在2.4MPa气压下进行气密性试验，保证了产品出厂质量；
- 外形尺寸设计合理，和本公司壳管冷凝器配套组成的水冷冷水机组外形美观、大方；
- 蒸发器的筒身设有排水装置，以免冬天由于环境温度低而造成管程内的积水结冰冻破换热管；
- 蒸发器的进、出水口都设有温度控制点，防止冷冻水的温度过低导致换热管的破裂。

应用范围

- 冷冻行业、冷库工程
- 农业、食品、饭店、化工行业
- 配套中央空调主机设备

→ 可以根据客户要求非标设计。Tailor-made for customers

壳管水冷冷凝器命名规则Nominatation



Characteristics

- Production and inspection perform strictly subject to 《Dry evaporator of R22 refrigeration equipment》;
- Use inside whorl copper tube, advance inside-tube heat transfer capacity;
- Tightness examination up to 2.4MPa gas pressure before delivery;
- Scientific external dimension design, equipped with KAIDI shell-tube condenser will have a well formed water cooled water chilling unit with a good appearance;
- Evaporators have water-drain device in the shell, to avoid tube damage caused by frozen water in cold winter;
- With temperature control point on inlet and outlet, to avoid tube damage caused by frozen water.

Application

- Refrigeration industry, cold room project
- Agricultural, food, restaurant, chemical industry
- Central air conditioning



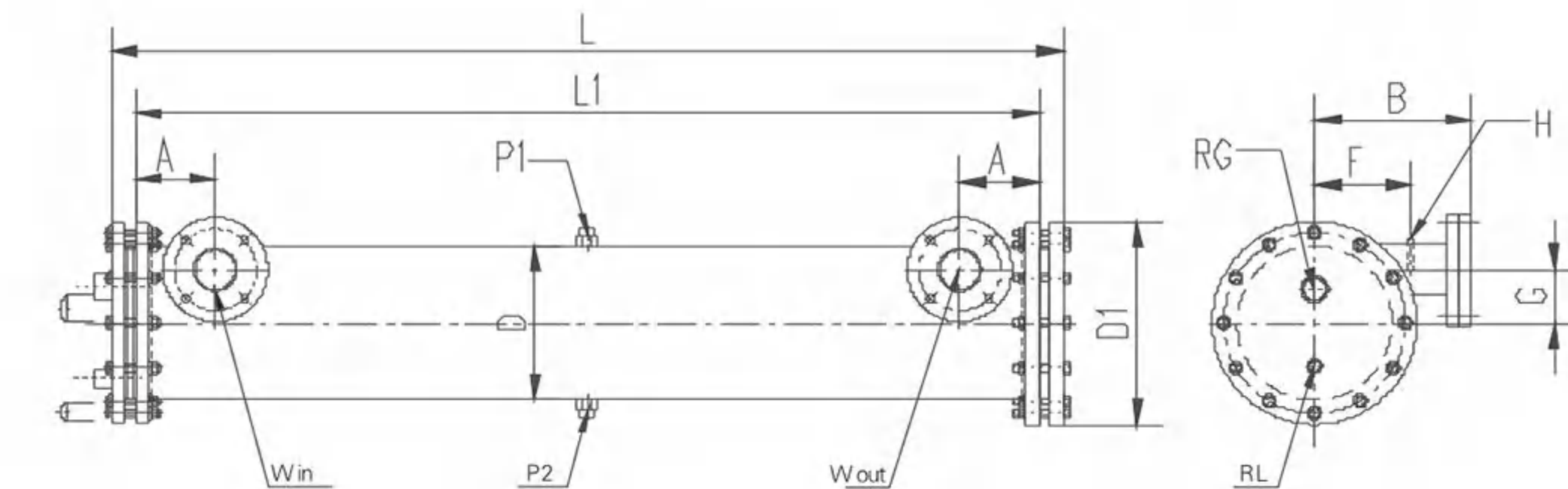
壳管式干式蒸发器 Shell & tube dry evaporator

直管型干式蒸发器 Dry evaporator with straight copper pipes

单机系列干式蒸发器 Single compressor series

型号 Model	冷冻吨 REFRIG. TON (RT)	外型尺寸及安装尺寸(mm) Dimension and physical size								重量 Weight (kg)
		D	L1	L	A	D1	B	F	G	
KEW60L	60	325	1829	1924	225	406	320	160	95	290
KEW65L	65	325	1829	1924	225	406	320	160	95	300
KEW70L	70	325	1829	1924	225	406	320	160	95	320
KEW75L	75	325	1829	1924	225	406	320	160	95	335
KEW80L	80	325	2159	1924	225	406	320	160	95	343
KEW85L	85	325	2159	2265	225	406	320	160	95	380
KEW90L	90	356	2159	2265	225	440	350	175	110	440
KEW95L	95	356	2159	2265	225	440	350	175	110	450
KEW100L	100	356	2159	2265	225	440	350	175	110	522
KEW110L	110	356	2540	2646	225	440	350	175	110	538
KEW120L	120	356	2540	2646	225	440	350	175	110	600
KEW130L	130	356	2540	2646	225	440	350	175	110	617
KEW140L	140	356	2540	2646	225	440	350	175	110	635
KEW150L	150	356	2540	2646	225	440	350	175	110	652

型号 Model	进出口直径Connection(Inch)					
	RG	RL	W	P1	P2	H
			MPT	FPT	FPT	FPT
KEW60L	2-5/8	1-3/8	4	3/4	3/4	3/8
KEW65L	2-5/8	1-3/8	4	3/4	3/4	3/8
KEW70L	2-5/8	1-5/8	4	3/4	3/4	3/8
KEW75L	2-5/8	1-5/8	4	3/4	3/4	3/8
KEW80L	2-5/8	1-5/8	4	3/4	3/4	3/8
KEW85L	2-5/8	1-5/8	4	3/4	3/4	3/8
KEW90L	2-5/8	1-5/8	4	3/4	3/4	3/8
KEW95L	2-5/8	1-5/8	4	3/4	3/4	3/8
KEW100L	2-5/8	1-5/8	4	3/4	3/4	3/8
KEW110L	2-5/8	1-5/8	4	3/4	3/4	3/8
KEW120L	2-5/8	1-5/8	4	3/4	3/4	3/8
KEW130L	2-5/8	1-5/8	4	3/4	3/4	3/8
KEW140L	3-1/8	2-1/8	4	3/4	3/4	3/8
KEW150L	3-1/8	2-1/8	4	3/4	3/4	3/8



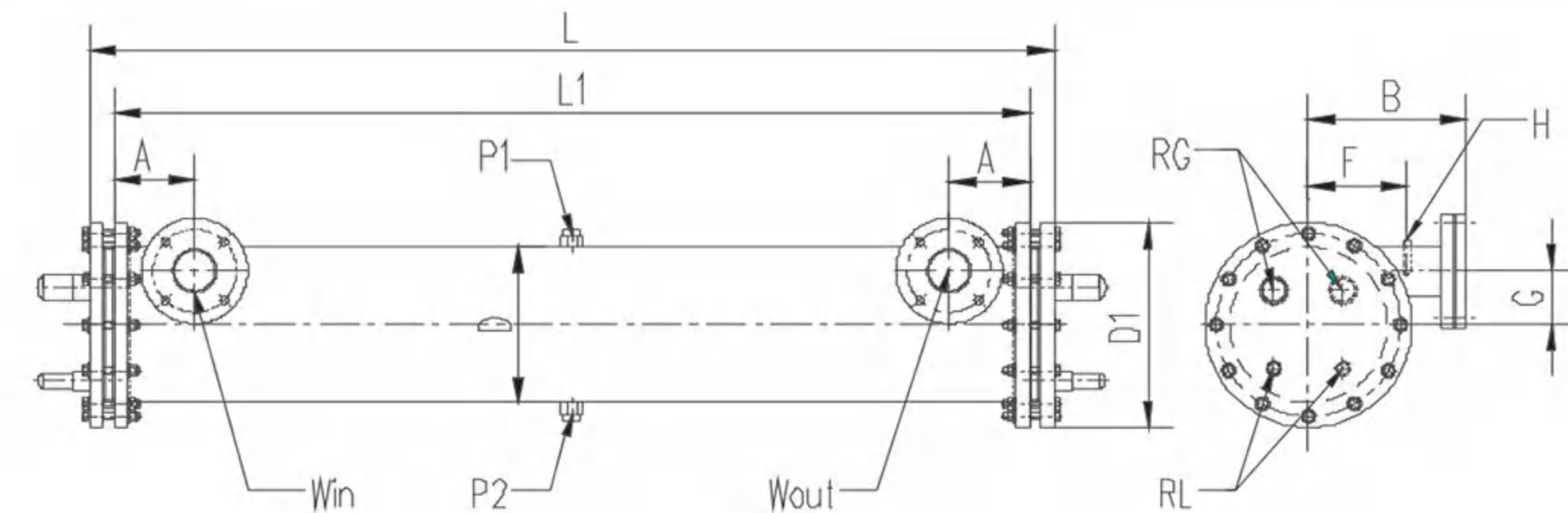


壳管式干式蒸发器 Shell & tube dry evaporator

双机系列干式蒸发器 Double compressor series

型号 Model	冷冻吨 REFRIG. TON (RT)	外型尺寸及安装尺寸(mm) Dimension and physical size								重量 Weight (kg)
		D	L1	L	A	D1	B	F	G	
KEWD10L	5+5	168	1016	1094	150	240	220	110	42.5	89
KEWD16L	8+8	219	1219	1219	150	295	220	110	70	105
KEWD20L	10+10	219	1524	1601	150	295	220	110	65	120
KEWD30L	15+15	219	1524	1601	200	295	250	125	59.5	185
KEWD40L	20+20	273	1829	1914	200	360	250	125	85.5	212
KEWD50L	25+25	273	1829	1914	200	360	250	125	85.5	265
KEWD60L	30+30	325	1829	1924	225	406	320	160	95	290
KEWD70L	35+35	325	1829	1924	225	406	320	160	95	327
KEWD80L	40+40	325	1829	1924	225	406	320	160	95	345
KEWD90L	45+45	325	1829	1924	225	406	320	160	95	441
KEWD100L	50+50	356	2540	2646	225	440	400	200	110	523
KEWD110L	55+55	356	2540	2646	225	440	400	200	110	539
KEWD120L	60+60	356	2540	2646	225	440	400	200	110	602
KEWD130L	65+65	356	2540	2646	225	440	400	200	110	620
KEWD140L	70+70	356	2540	2646	225	440	400	200	110	637
KEWD150L	75+75	356	2540	2646	225	440	400	200	110	637

型号 Model	进出口直径Connection(Inch)					
	RG	RL	W	P1	P2	H
			MPT	FPT	FPT	FPT
KEWD10L	7/8	5/8	2	3/4	3/4	3/8
KEWD16L	1-1/8	5/8	2	3/4	3/4	3/8
KEWD20L	1-3/8	5/8	2-1/2	3/4	3/4	3/8
KEWD30L	1-5/8	7/8	3	3/4	3/4	3/8
KEWD40L	2-1/8	7/8	3	3/4	3/4	3/8
KEWD50L	2-1/8	1-1/8	3	3/4	3/4	3/8
KEWD60L	2-1/8	1-3/8	4	3/4	3/4	3/8
KEWD70L	2-5/8	1-3/8	4	3/4	3/4	3/8
KEWD80L	2-5/8	1-3/8	4	3/4	3/4	3/8
KEWD90L	2-5/8	1-3/8	4	3/4	3/4	3/8
KEWD100L	2-5/8	1-3/8	4	3/4	3/4	3/8
KEWD110L	2-5/8	1-3/8	4	3/4	3/4	3/8
KEWD120L	2-5/8	1-3/8	4	3/4	3/4	3/8
KEWD130L	2-5/8	1-3/8	4	3/4	3/4	3/8
KEWD140L	2-5/8	1-5/8	4	3/4	3/4	3/8
KEWD150L	2-5/8	1-5/8	4	3/4	3/4	3/8



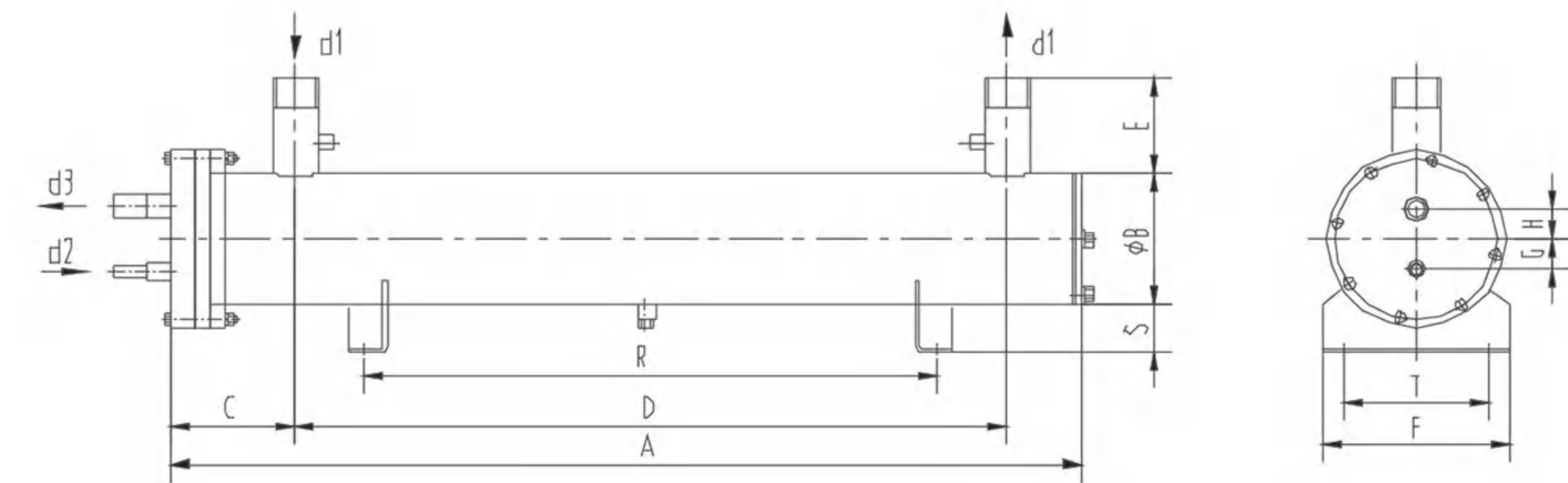
壳管式干式蒸发器 Shell & tube dry evaporator

“U”型壳管式蒸发器 U type shell & tube dry evaporator

“U”型壳管式蒸发器技术参数 Technical data

型号 Model			KEW5U	KEW8U	KEW10U	KEW13U	KEW16U	KEW19U	KEW23U	KEW27U
	额定数据 Rated data 制冷剂 Refrigerant R22 T _s =2°C T _k =40°C T _i =12°C T _u =7°C	Q _n	kW	18.6	28.2	35.1	47	56	65	80
kcal/h(×1000)			16	24	30.2	40.4	48.2	56.7	68.8	81.7
W _{nom}		m ³ /h	4	6	6	8	9.6	11.4	13.8	16.4
W _{max}		m ³ /h	6.3	8	10	11.4	12	14.5	18	21
ΔP _{nom}	Bar	0.16	0.29	0.27	0.41	0.35	0.39	0.42	0.46	0.46
外形尺寸 Overall size (mm)	A		915	1065	1295	1425	1705	1705	1650	1800
	B		140	168	168	168	168	168	219	219
	C		152	172	172	172	172	172	187	187
	D		690	800	1040	1170	1450	1450	1380	1530
	E		130	130	130	130	130	130	130	130
	F		195	195	195	195	245	245	245	245
	G		32	37	37	37	37	37	55	55
	H		32	37	37	37	37	37	55	55
	R		550	650	800	950	800	950	1100	1200
	S		60	60	60	60	60	60	60	60
进出口直径(mm) Φ Inlet & outlet	d1		48	60	60	60	76	76	76	76
	d2		22	22	22	22	22	22	22	22
	d3		35	35	35	35	35	35	54	54
重量 Weight(kg)			33	37	42	45	67	72	77	81

注 Remark:
 Q_n 额定制冷量 rated capacity
 W_{nom} 冷冻水流量 water flow
 W_{max} 最大冷冻水流量 max. water flow
 ΔP_{nom} 循环冷冻水压降 pressure drop of circulation water





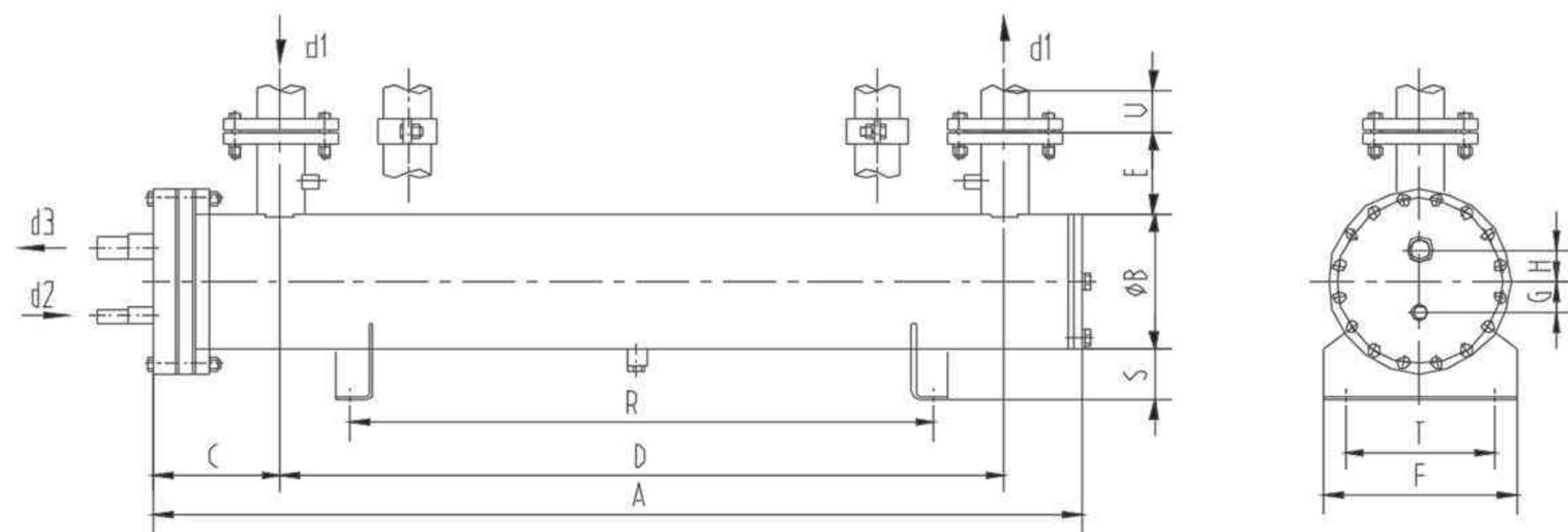
壳管式干式蒸发器 Shell & tube dry evaporator

“U”型壳管干式蒸发器 U type shell & tube dry evaporator

“U”型壳管干式蒸发器技术参数 Technical data

型号 Model		KEW34U	KEW39U	KEW44U	KEW53U	KEW63U	KEW77U	KEW89U	
额定数据 Rated data 制冷剂 Refrigerant R22 T ₀ =2°C T _k =40°C T _i =12°C T _u =7°C	Q _n	kW	120	135	155	185	220	270	310
		kcal/h(×1000)	103.2	116	133.3	159	180	232	267
	W _{nom}	m ³ /h	20.6	23.2	26.7	31.8	37.8	46.4	53.3
	W _{max}	m ³ /h	25	28	30	41	43	65	68
	ΔP _{nom}	Bar	0.41	0.44	0.37	0.36	0.43	0.42	0.43
外形尺寸 Overall size (mm)	A	1835	2135	2335	2320	2620	2654	2654	
	B	219	219	219	273	273	273	273	
	C	197	197	197	200	200	234	234	
	D	1530	1830	2030	2000	2300	2280	2280	
	E	130	130	130	150	150	150	150	
	F	310	310	310	370	370	370	370	
	G	55	55	55	60	60	60	60	
	H	55	55	55	55	55	60	60	
	R	1200	1500	1700	1600	1800	1800	1800	
	S	80	80	80	100	100	100	100	
	T	240	240	240	300	300	300	300	
U				100	100	100	100		
进出口直径 (mm) Φ Inlet & outlet	d1	80	80	80	114	114	114	114	
	d2	35	35	35	35	35	35	35	
	d3	54	54	54	67	67	80	80	
重量 Weight(kg)		107	118	125	157	175	271	281	

注 Remark:
Q_n 额定制冷量 rated capacity
W_{nom} 冷冻水流量 water flow
W_{max} 最大冷冻水流量 max. water flow
ΔP_{nom} 循环冷冻水压降 pressure drop of circulation water



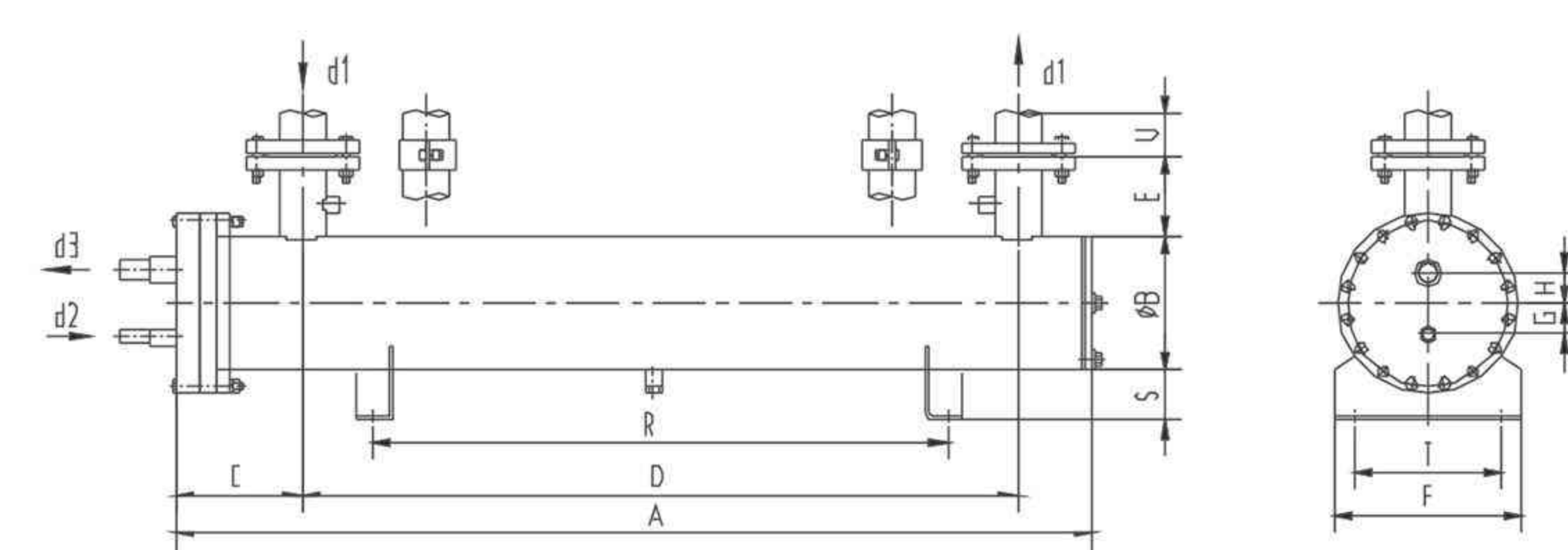
壳管式干式蒸发器 Shell & tube dry evaporator

“U”型壳管干式蒸发器 U type shell & tube dry evaporator

“U”型壳管干式蒸发器技术参数 Technical data

型号 Model		KEW103U	KEW120U	KEW134U	KEW154U	KEW177U	KEW194U	KEW206U	KEW246U	
额定数据 Rated data 制冷剂 Refrigerant R22 T ₀ =2°C T _k =40°C T _i =12°C T _u =7°C	Q _n	kW	360	420	470	540	620	680	720	860
		kcal/h(×1000)	310	361	404	464	533	585	620	740
	W _{nom}	m ³ /h	62	72.2	80.8	93	107	116	124	135
	W _{max}	m ³ /h	70	100	100	105	140	145	148	150
	ΔP _{nom}	Bar	0.43	0.35	0.46	0.41	0.47	0.49	0.43	0.54
外形尺寸 Overall size (mm)	A	2654	2697	2697	2697	2744	2744	2744	2744	
	B	273	325	325	356	426	426	426	426	
	C	234	277	277	277	334	334	334	334	
	D	2280	2250	2250	2240	2200	2200	2200	2200	
	E	150	200	200	200	200	200	200	200	
	F	370	420	420	450	530	530	530	530	
	G	60	75	75	85	85	85	85	85	
	H	60	70	70	85	85	85	85	85	
	R	1800	1800	1800	1800	1800	1800	1800	1800	
	S	100	100	100	100	120	120	120	120	
	T	300	300	300	350	420	420	420	420	
U	100	150	150	150	150	150	150	150		
进出口直径 (mm) Φ Inlet & outlet	d1	114	168	168	168	219	219	219	219	
	d2	35	35	35	42	42	42	42	42	
	d3	80	80	80	80	80	80	80	80	
重量 Weight(kg)		295	379	395	427	556	595	627	650	

注 Remark:
Q_n 额定制冷量 rated capacity
W_{nom} 冷冻水流量 water flow
W_{max} 最大冷冻水流量 max. water flow
ΔP_{nom} 循环冷冻水压降 pressure drop of circulation water





产品主要特点

- 严格按照《制冷装置用压力容器》生产和验收，确保产品的质量；
- 分卧式和立式设计，满足客户不同的需求；
- 外形尺寸设计合理，便于配套机组；
- 筒体内部经过酸洗钝化处理，清洁度高，不易锈蚀；
- 在2.4MPa气压下进行气密性试验，保证了产品出厂质量；
- 带有“安全易熔塞”，壳程里的液体温度达到一定时，将自动融化、降压，确保安全；

Characteristics

- Production and inspection perform strictly subject to 《Pressure vessel for refrigeration equipment》；
- Vertical and stand type for your choice；
- Scientific dimension size, fitting different condensing unit；
- Proceeded by passivation treatment by acid pickling inside of the shell, clear and stainless
- Tightness examination up to 2.4MPa gas pressure before delivery；
- Pressure vessel equipped with "safe fusible plug", it can automatically melt when liquid temperature in the shell reach a certain degree to guarantee safety.

应用范围

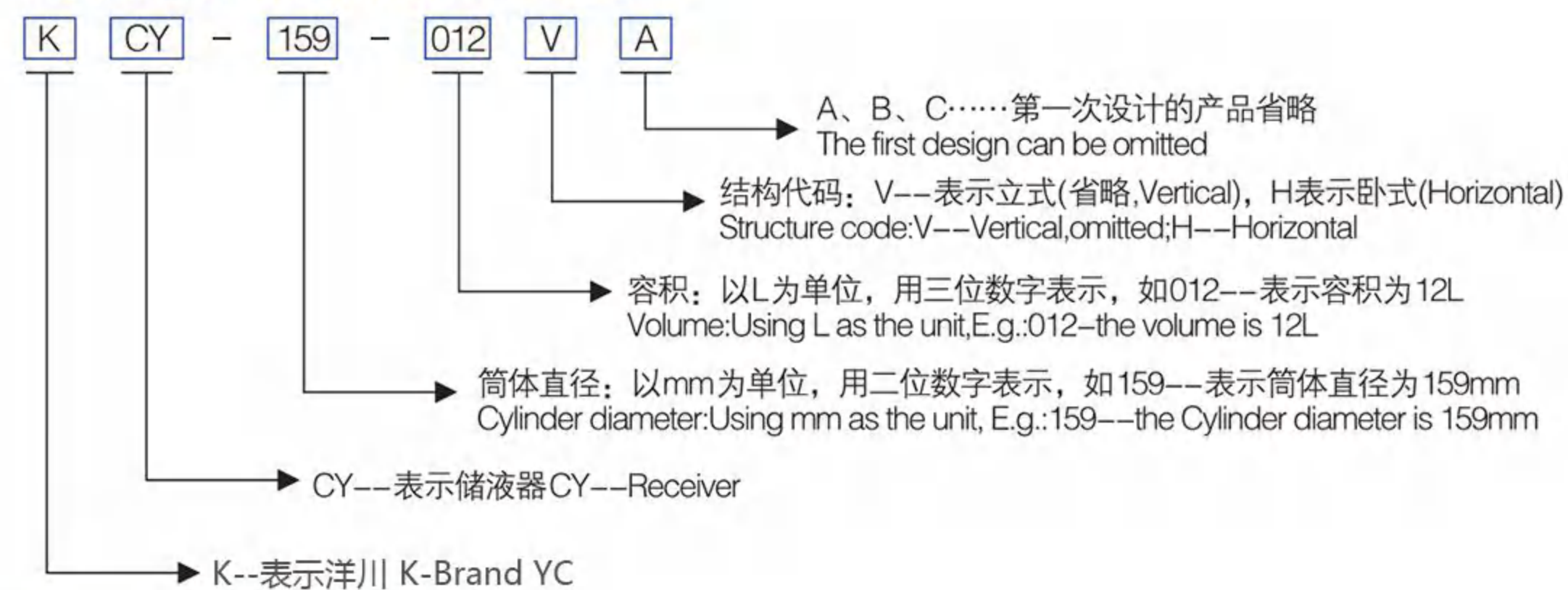
- 冷冻行业、冷库工程
- 农业、食品、饭店、化工行业
- 配套中央空调主机设备

Application

- Refrigeration industry, cold room project
- Agricultural, food, restaurant, chemical industry
- Central air conditioning

➔ 可以根据客户要求非标设计。Tailor-made for customers

储液器命名规则NAMING RULES



1) Shell 159mm筒径储液器技术参数

型号 Model	容积 (升) Volume(L)	外形尺寸mm Overall size				安装尺寸mm Physical size	
		A	B	C	D	E	F
KCY159-012HA	11.6	650	240	230	159	520	200
KCY159-013HA	13.4	750	260	230	159	620	220
KCY159-015HA	15.2	850	320	230	159	700	280
KCY159-017HA	17.0	950	340	235	159	800	300
KCY159-020HA	19.7	1100	360	235	159	900	320
KCY159-022HA	21.5	1200	360	235	159	900	320
KCY159-023HA	23.3	1300	360	235	159	1000	310
KCY159-025HA	25.1	1400	360	235	159	1000	310

2) Shell 168mm筒径储液器技术参数

型号 Model	容积 (升) Volume(L)	外形尺寸mm Overall size				安装尺寸mm Physical size	
		A	B	C	D	E	F
KCY168-013HA	13.1	650	240	240	168	520	200
KCY168-015HA	15.1	750	260	240	168	620	220
KCY168-017HA	17.1	850	320	240	168	700	280
KCY168-019HA	19.1	950	340	245	168	800	300
KCY168-022HA	22.1	1100	360	245	168	900	320
KCY168-024HA	24.1	1200	360	245	168	900	320
KCY168-026HA	26.1	1300	360	245	168	1000	310
KCY168-028HA	28.1	1400	360	245	168	1000	310

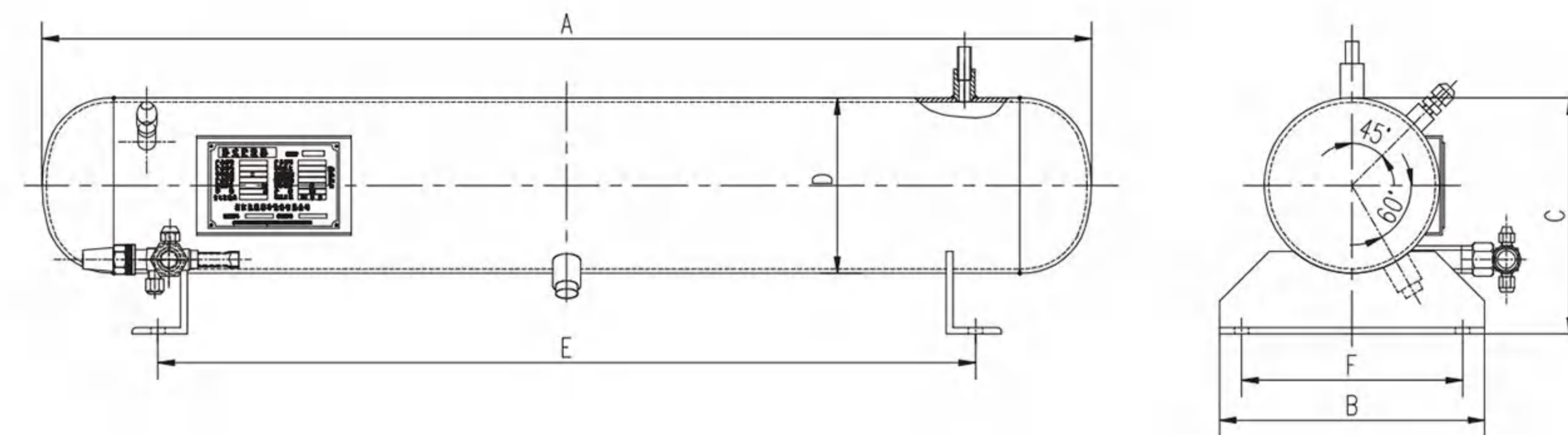
3) Shell 219mm筒径储液器技术参数

型号 Model	容积 (升) Volume(L)	外形尺寸mm Overall size				安装尺寸mm Physical size	
		A	B	C	D	E	F
KCY219-022HA	21.9	650	310	290	219	520	260
KCY219-025HA	25.2	750	310	290	219	620	260
KCY219-029HA	28.6	850	310	290	219	700	260
KCY219-032HA	32.0	950	310	295	219	800	360
KCY219-037HA	37.0	1100	365	295	219	900	305
KCY219-040HA	40.4	1200	365	295	219	900	305
KCY219-044HA	43.7	1300	365	295	219	1100	305
KCY219-047HA	47.1	1400	365	295	219	1100	305

4) Shell 273mm筒径储液器技术参数

型号 Model	容积 (升) Volume(L)	外形尺寸mm Overall size				安装尺寸mm Physical size	
		A	B	C	D	E	F
KCY273-034HA	34.2	650	310	345	273	520	260
KCY273-040HA	39.5	750	310	345	273	620	260
KCY273-045HA	44.8	850	310	345	273	700	260
KCY273-050HA	50.1	950	310	345	273	800	360
KCY273-058HA	58.0	1100	365	350	273	900	305
KCY273-063HA	63.2	1200	365	350	273	900	305
KCY273-069HA	68.5	1300	365	350	273	1100	305
KCY273-074HA	73.8	1400	365	350	273	1100	305

卧式储液器外形尺寸及安装尺寸示意图 General drawing of horizontal receiver





XJQ -E Series Box Type Condensing Units

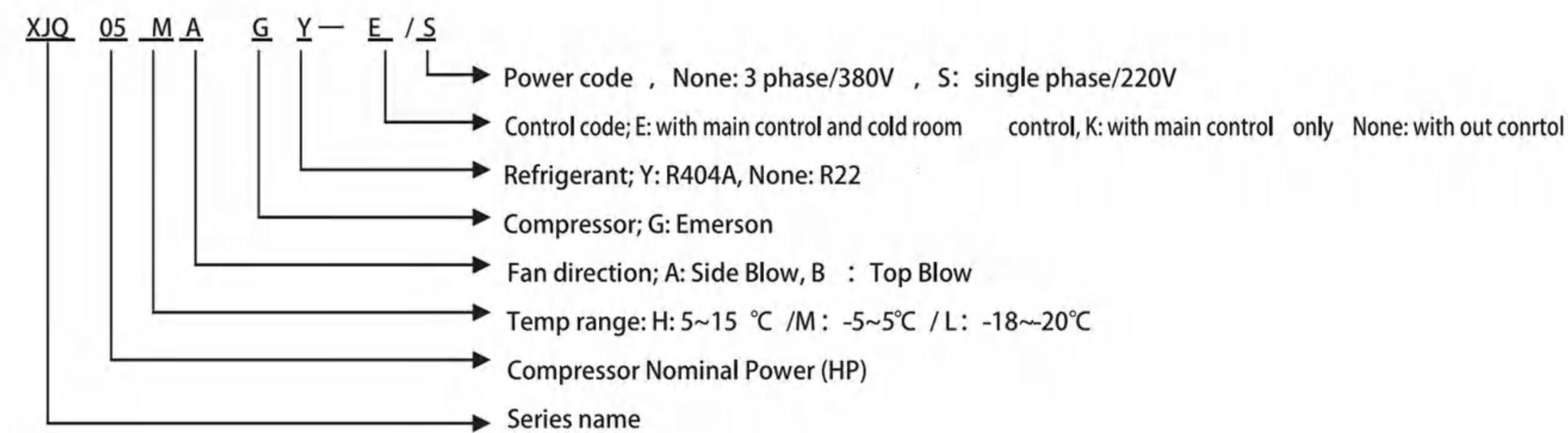
1. Product description :

According to demands of market, we design this new series XJQ -E on basis of XJQ series. This new series products feature box type structure with hermetic compressor and control box, which is compact and pleasant looking, applicable to cold display cases, cold storage rooms, ice producers etc. The applicable temperature ranges are: -5°C~15°C, -5°C~5°C and -15~-25°C. They can be widely used in hotels, restaurants, medicines, agricultural, chemicals industries all other place where cold storage is needed.

Features of these series products:

- ◆ Electric components were added on the basis of old XJQ series, including condensing unit, main control board, cold room temp control board and operation board. Cold room temp control board and operation board are optional.
- ◆ Main control board can start/stop compressor by system low voltage, be suitable for super market, milk container, water chiller etc. If all optional included, system can control compressor by temp., with function of temp. and defrosting adjustment. The complete set of control system can be used for cold room directly, no extra controller required.
- ◆ With multi protections including phase protection, phase lack, over current, too constant start of compressor, discharge temp and system high/low temp.
- ◆ With fan speed regulator, to adjust condensing fan according to condensing temp.
- ◆ With operation data display function, to check operation current of compressor, discharge temp. and condensing temp.
- ◆ With system alarm function. When fault effects, the system will make alarm beep sound to remind user.
- ◆ The operation board can show temp. setting, defrosting control, operation system data checking and cold room temp. alarm functions. It can be installed apart from condensing units for remote control.

2. Model code :



3. Main components

① Compressor ② suction and discharge valves ③ oil heating belt ④ condenser ⑤ liquid receiver ⑥ Drier&filter ⑦ sight glasses ⑧ solenoid valve ⑨ diaphragm type pressure switch ⑩ H/L pressure gauge ⑪ in/out pipe connection valve ⑫ liquid injection valve ⑬ enhanced gas injection ⑭ mechanical type low voltage control

XJQ02H-XJQ05H: Item ①.④.⑤.⑥.⑦.⑧.⑨.⑩.⑪; optional: ⑭

XJQ08H-XJQ15H: Item ①.②.③.④.⑤.⑥.⑦.⑧.⑨.⑩; optional: ⑭

XJQ02M-XJQ07M: Item ①.④.⑤.⑥.⑦.⑧.⑨.⑩.⑪; optional: ⑭

XJQ08M-XJQ15M: Item ①.②.③.④.⑤.⑥.⑦.⑧.⑨.⑩; optional: ⑭

XJQ02L-XJQ07L: Item ①.②.③.④.⑤.⑥.⑦.⑧.⑨.⑩.⑪; ;

XJQ05L-XJQ15L: Item ①.②.③.④.⑤.⑥.⑦.⑧.⑨.⑩.⑬; ; optional: ⑭

For condensing units without solenoid valve, we suggest user to install solenoid valve near expansion valve.

Notice: Please select evaporator fan motor with 220V power supply.

4. Specifications:

4.1 High temperature units

Model	XJQ02HAG -E	XJQ03HAG -E	XJQ04HAG -E	XJQ05HAG -E		
Room temperature (°C)	5°C ~15 °C					
Power supply	380V/3Ph/50 HZ					
Refrigerant	R22					
Compressor model	ZB15KQ	ZB21KQ/ZR36	ZB 29KQ/ZR47	ZB38KQ/VR61		
Condenser	Fan Qty	1	1	2		
	Fan Voltage(V)	220	220	220		
	Fan Input(W)	60	60	60×2		
Cap. & input	Te 5°C	Cap(W)	5770	8400	11300	14000
		input(W)	1560	2300	2930	3700
	Te 0°C	Cap(W)	4830	7020	9430	11700
		input(W)	1540	2270	2890	3660
Pipe	Gas dia(mm)	φ19	φ19	φ19	φ19	
	Liquid dia(mm)	φ10	φ10	φ12	φ12	
Overall sizes	L (mm)	1020	1020	1020	1020	
	W (mm)	420	420	420	420	
	H (mm)	840	840	1240	1240	
Install sizes (A×B)mm	580×380	580×380	580×380	580×380		
Overall sizes	A					

Model	XJQ08HBG -E	XJQ09 HBG -E	XJQ10HBG -E	XJQ12HBG -E	XJQ13HBG -E	XJQ15HBG -E	
Room temperature (°C)	5 ~15 °C						
Power supply	380V/3Ph/50HZ						
Refrigerant	R22						
Compressor model	ZB58KQ/VR94	ZB66KQ/VR108	ZB76KQ/VR125	ZB88KQ/VR144	ZB95KQ/VR160	ZB114KQ/VR190	
Condenser	Fan Qty	1	2	2	2	2	
	Fan Voltage(V)	380	380	380	380	380	
	Fan Input(W)	550	460×2	460×2	460×2	550×2	
Cap. & input	Te 5°C	Cap(W)	22400	25300	29700	34000	36300
		input(W)	5500	6140	7260	8220	9290
	Te 0°C	Cap(W)	18550	21100	24900	28500	30200
		input(W)	5470	6070	7180	8130	9200
Pipe	Gas dia. (mm)	φ28	φ28	φ28	φ28	φ28	
	Liquid dia. (mm)	φ16	φ16	φ16	φ16	φ16	
Overall sizes	L (mm)	967	1354	1354	1354	1870	
	W (mm)	825	825	825	825	925	
	H (mm)	1035	1025	1025	1025	1035	
Install sizes (A×B)mm	570×785	950×785	950×785	950×785	755×885	755×885	
Overall sizes	B						

Remark : 1) Cooling capacity at condensing temp. 45 °C; 2) 220V/50Hz power models are available for 2HP~4HP units, of which ZB26KQ will be used for 4 HP model units. 3) Evaporator must use 220V single phase fan motor .



4.2 Mid temperature units

4.2.1 Refrigerant R22

Model	XJQ02MAG -E	XJQ03MAG -E	XJQ04MAG -E	XJQ05MAG -E	XJQ06MAG -E	XJQ07MAG -E		
Room temperature (°C)	-5°C ~5 °C							
Power supply	380V/3Ph/50 HZ							
Compressor model	ZB15KQ	ZB21KQ	ZB29KQ	ZB38KQ	ZB45KQ	ZB48KQ		
Condenser	Fan Qty	1	1	1	2	2	2	
	Fan Voltage(V)	220	220	220	220	220	220	
	Fan Input(W)	60	60	60	60×2	60×2	60×2	
Cap. & input	Te -5°C	Cap(W)	4000	5820	7810	9710	11750	12950
		Input (W)	1520	2240	2860	3610	4210	4630
	Te -7°C	Cap(W)	3690	5370	7220	8970	10900	12000
		Input (W)	1510	2230	2840	3590	4200	4620
	Te -10°C	Cap(W)	3260	4740	6380	7920	9640	10600
		Input (W)	1510	2220	2830	3580	4180	4590
Pipe	Gas dia. (mm)	φ 19	φ 19	φ 19	φ 19	φ 19	φ 19	
	Liquid dia. (mm)	φ 10	φ 10	φ 12	φ 12	φ 12	φ 12	
Overall sizes	L (mm)	1020	1020	1020	1020	1020	1020	
	W (mm)	420	420	420	420	420	420	
	H (mm)	840	840	840	1240	1240	1240	
Install sizes(A×B)(mm)	580×380	580×380	580×380	580×380	580×380	580×380		
Overall sizes	A							

Model	XJQ08MBG -E	XJQ09MBG -E	XJQ10MBG -E	XJQ12MBG -E	XJQ13MBG -E	XJQ15MBG -E		
Room temperature	-5°C ~5							
Power supply	380V/3Ph/50HZ							
Compressor model	ZB58KQ	ZB66KQ	ZB76KQ	ZB88KQ	ZB95KQ	ZB114KQ		
Condenser	Fan Qty	1	1	1	2	2		
	Fan Voltage(V)	380	380	380	380	380		
	Fan Input(W)	550	550	550	550	460×2	460×2	
Cap. & input	Te -5°C	Cap(W)	15100	17450	20600	23500	24700	29500
		Input (W)	5460	6030	7130	8070	9110	10800
	Te -7°C	Cap(W)	13850	16150	19050	21700	22500	27000
		Input (W)	5460	6010	7110	8050	9060	10750
	Te -10°C	Cap(W)	12000	14250	16850	19100	19500	23300
		Input (W)	5470	5990	7070	8010	8990	10750
Pipe	Gas dia. (mm)	φ 28	φ 28	φ 28	φ 28	φ 28	φ 28	
	Liquid dia. (mm)	φ 16	φ 16	φ 16	φ 16	φ 16	φ 16	
Overall sizes	L (mm)	967	967	967	967	1354	1354	
	W (mm)	825	825	825	825	825	825	
	H (mm)	1035	1035	1035	1035	1025	1025	
Install sizes(A×B)(mm)	570×785	570×785	570×785	570×785	950×785	950×785		
Overall sizes	B							

Remark : 1) Cooling capacity at condensing temp. 45 °C; 2) 220V/50Hz power models are available for 2HP~4HP units, of which ZB26KQ will be used for 4 HP model units. 3) Evaporator must use 220V single phase fan motor.



4.2.2 Refrigerant R404A :

Model	XJQ02MAGY -E	XJQ03MAGY -E	XJQ04MAGY -E	XJQ05MAGY -E	XJQ06MAGY -E	XJQ07MAGY -E		
Room temperature	-15°C ~5 °C							
Power supply	380V/3Ph/50 HZ							
Compressor model	ZB15KQE	ZB21KQE	ZB29KQE	ZB38KQE	ZB45KQE	ZB48KQE		
Condenser	Fan Qty	1	1	1	2	2	2	
	Fan Voltage(V)	220	220	220	220	220	220	
	Fan Input(W)	60	60	60	60×2	60×2	60×2	
Cap. & input	Te -5°C	Cap(W)	3820	5740	7790	9830	11500	12550
		Input (W)	1760	2500	3310	4180	4730	5210
	Te -10°C	Cap(W)	3080	4680	6360	8020	9380	10200
		Input (W)	1820	2510	3330	4200	4750	5230
	Te -15°C	Cap(W)	2430	3780	5130	6480	7580	8180
		Input (W)	1880	2510	3330	4210	4760	5240
Te -20°C	Cap(W)	1870	3020	4100	5170	6050	6490	
	Input (W)	1930	2520	3340	4210	4770	5240	
Pipe	Gas dia. (mm)	φ 19	φ 19	φ 19	φ 19	φ 19	φ 19	
	Liquid dia. (mm)	φ 10	φ 10	φ 12	φ 12	φ 12	φ 12	
Overall sizes	L (mm)	1020	1020	1020	1020	1020	1020	
	W (mm)	420	420	420	420	420	420	
	H (mm)	840	840	840	1240	1240	1240	
Install sizes(A×B)(mm)		580×380	580×380	580×380	580×380	580×380		
Overall sizes	A							

Model	XJQ08 MBGY -E	XJQ09MBGY -E	XJQ10MBGY -E	XJQ13MBGY -E	XJQ15MBGY -E		
Room temperature	-15°C ~5 °C						
Power supply	380V/3Ph/50 HZ						
Compressor model	ZB58KQE	ZB66KQE	ZB76KQE	ZB95KQE	ZB114KQE		
Condenser	Fan Qty	1	1	1	2	2	
	Fan Voltage(V)	380	380	380	380	380	
	Fan Input(W)	550	550	550	460×2	460×2	
Cap. & input	Te -5°C	Cap(W)	15300	17100	20400	25000	29700
		Input (W)	6360	7090	8290	10700	12650
	Te -10°C	Cap(W)	12400	14000	16600	20300	24000
		Input (W)	6320	7050	8220	10600	12650
	Te -15°C	Cap(W)	9480	11300	13350	16100	18900
		Input (W)	6320	7020	8150	10600	12650
Te -20°C	Cap(W)	7520	9000	10550	12200	14350	
	Input (W)	6360	6980	8100	10600	12650	
Pipe	Gas dia. (mm)	φ 28	φ 28	φ 28	φ 28	φ 28	
	Liquid dia. (mm)	φ 16	φ 16	φ 16	φ 16	φ 16	
Overall sizes	L (mm)	967	967	967	1354	1354	
	W (mm)	825	825	825	825	825	
	H (mm)	1035	1035	1035	1025	1025	
Install sizes(A×B)(mm)	570×785	570×785	570×785	950×785	900×785		
Overall sizes	B						

Remark : 1) Cooling capacity at condensing temp. 45 °C; 2) 220V/50Hz power models are available for 2HP~4HP units, of which ZB26KQ will be used for 4 HP model units. 3) Evaporator must use 220V single phase fan motor.



4.3 Low temperature series.

4.3.1 Refrigerant R22

Model		XJQ02LAG -E	XJQ03LAG -E	XJQ04LAG -E	XJQ05L BG -E	XJQ06L BG -E	XJQ08L BG -E	
Room temperature		-18℃ ~-20 ℃						
Power supply		380V/3Ph/50 HZ						
Compressor model		ZF06KQ	ZF09KQ	ZF11KQ	ZF15KQ	ZF18KQ	ZF25KQ	
Condenser	Fan Qty	1	1	1	1	1	1	
	Fan Voltage(V)	220	220	220	220	220	220	
	Fan Input(W)	60	60	60	60X2	60X2	60X2	
	Te	Cap(W)	2250	2980	3870	5630	6810	7640
Cap. & input	-25℃	Input (W)	1600	2020	2430	3350	4200	4600
		Te	Cap(W)	1820	2380	3160	4600	5560
	-30℃	Input (W)	1570	1980	2370	3250	4110	4490
		Te	Cap(W)	1480	1870	2520	3670	4500
	-35℃	Input (W)	1590	1960	2300	3170	4020	4380
		Te	Cap(W)	1480	1870	2520	3670	4500
Pipe	Gas dia(mm)	φ 9	φ 9	φ 9	φ 22	φ 22	φ 22	
	Liquid dia(mm)	φ 10	φ 10	φ 10	φ 12	φ 12	φ 12	
Overall sizes	L (mm)	1020	1020	1020	1020	1020	967	
	W (mm)	420	420	420	420	420	675	
	H (mm)	840	840	840	1240	1240	815	
Install sizes(A×B)(mm)		580×380	580×380	580×380	580×380	580×380	570×635	
Overall sizes		A					B	

Remark: 1)Cooling capacity at condensing temperature 45℃,insuction temperature 18℃;2) 2HP model are available 220V/50HZ power;3)Evaporator must use 220V fan motor.

Model		XJQ08L BG-E	XJQ12L BG-E	XJQ13L BG-E	XJQ15L BG-E		
Temperature (℃)		-18℃ ~-30 ℃					
Power supply		380V/3Ph/50 HZ					
Compressor model		QF125A	QF175A	QF185A	QF205A		
Condenser	Fan Qty	1	1	1	1		
	Fan Voltage (V)	220	220	220	220		
	Fan Input (W)	550	550	550	550		
Cap & input	-25℃	Te	Cap (W)	8200	10000	11800	13400
		Input (W)	5000	6200	7400	8300	
	-30℃	Te	Cap (W)	6500	8100	9600	11000
		Input (W)	4800	6000	7000	7900	
	-35℃	Te	Cap (W)	5000	6500	7700	8900
		Input (W)	4700	5800	6600	7500	
-40℃	Te	Cap (W)	3700	5200	6100	7000	
	Input (W)	4600	5600	6200	7200		
Pipe	Gas dia (mm)	φ 28	φ 28	φ 28	φ 28		
	Liquid dia (mm)	φ 16	φ 16	φ 16	φ 16		
Overall size	L (mm)	967	967	967	967		
	W (mm)	825	825	825	825		
	H (mm)	1035	1035	1035	1035		
Install sizes (A×B) (mm)		570×785	570×785	570×785	570×785		
Overall size		B 型					

Remark: Cooling capacity at condensing temperature 45℃,insuction temperature 20℃; 2)Evaporator must use 220V fan motor.

4.3.2 Refrigerant R404A

Model		XJQ02LAGY -E	XJQ03LAGY -E	XJQ04LAGY -E	XJQ05L BGY -E	XJQ06L BGY -E	XJQ08L BGY -E	
Room temperature		-18℃ ~-20 ℃						
Power supply		380V/3Ph/50 HZ						
Compressor model		ZSI06KQE	ZSI09KQE	ZSI11KQE	ZSI15KQE	ZSI18KQE	ZSI21KQE	
Condenser	Fan Qty	1	1	1	2	2	2	
	Fan Voltage(V)	220	220	220	220	220	220	
	Fan Input(W)	60	60	60	60X2	60X2	60X2	
Cap. & input	Te-25℃	Cap(W)	2320	3270	4140	5930	7220	8050
		Input (W)	1760	2260	2640	3580	4430	4890
	Te-30℃	Cap(W)	1870	2640	3350	4820	5900	6580
		Input (W)	1730	2210	2580	3520	4290	4730
	Te-35℃	Cap(W)	1500	2070	2620	3780	4770	5340
		Input (W)	1700	2120	2450	3500	4200	4600
Pipe	Gas dia.(mm)	φ 9	φ 9	φ 9	φ 19	φ 19	φ 19	
	Liquid dia.(mm)	φ 10	φ 10	φ 10	φ 12	φ 12	φ 12	
Overall sizes	L (mm)	1020	1020	1020	1020	1020	1020	
	W (mm)	420	420	420	420	420	420	
	H (mm)	840	840	840	1240	1240	1240	
Install sizes(A×B)(mm)		580×380	580×380	580×380	580×380	580×380	580×380	
Overall sizes		A					B	

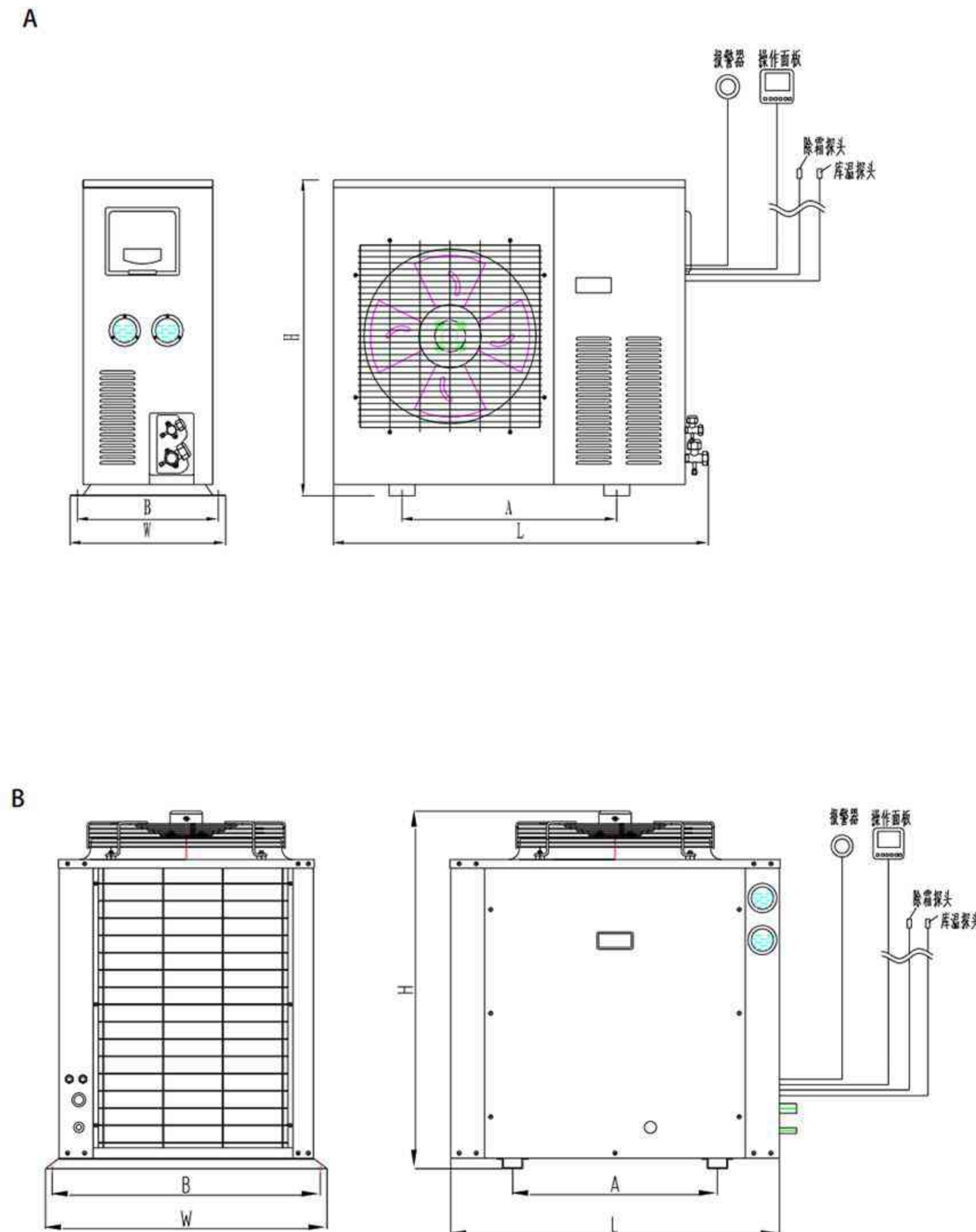
Remark : Cooling capacity at condensing temperature 45℃,insuction temperature 18℃;2) 2HP model are available 220V/50HZ power;3)Optional evaporator must use 220V fan motor.

Model		XJQ08L BGY-E	XJQ12L BGY-E	XJQ13L BGY-E	XJQ15L BGY-E		
Temperature (℃)		-18℃ ~-30 ℃					
Power supply		380V/3Ph/50 HZ					
Compressor model		QF125AE	QF175AE	QF185AE	QF205AE		
Condenser	Fan Qty	1	1	1	1		
	Fan Voltage (V)	220	220	220	220		
	Fan Input (W)	550	550	550	550		
Cap & input	-25℃	Te	Cap (W)	9400	11100	12400	14200
		Input (W)	5800	6900	7800	9200	
	-30℃	Te	Cap (W)	7700	8800	10200	11600
		Input (W)	5600	6600	7500	8700	
	-35℃	Te	Cap (W)	6200	7300	8400	9500
		Input (W)	5400	6300	7200	8400	
-40℃	Te	Cap (W)	4800	6800	7000	7900	
	Input (W)	5100	6100	7000	8200		
Pipe	Gas dia (mm)	φ 28	φ 28	φ 28	φ 28		
	Liquid dia (mm)	φ 16	φ 16	φ 16	φ 16		
Overall size	L (mm)	967	967	967	967		
	W (mm)	825	825	825	825		
	H (mm)	1035	1035	1035	1035		
Install sizes (A×B) (mm)		570×785	570×785	570×785	570×785		
Overall size		B					

Remark: Cooling capacity at condensing temperature 45℃,insuction temperature 20℃;2)Evaporator must use 220V fan motor.



5. Diagrams for Overall sizes :

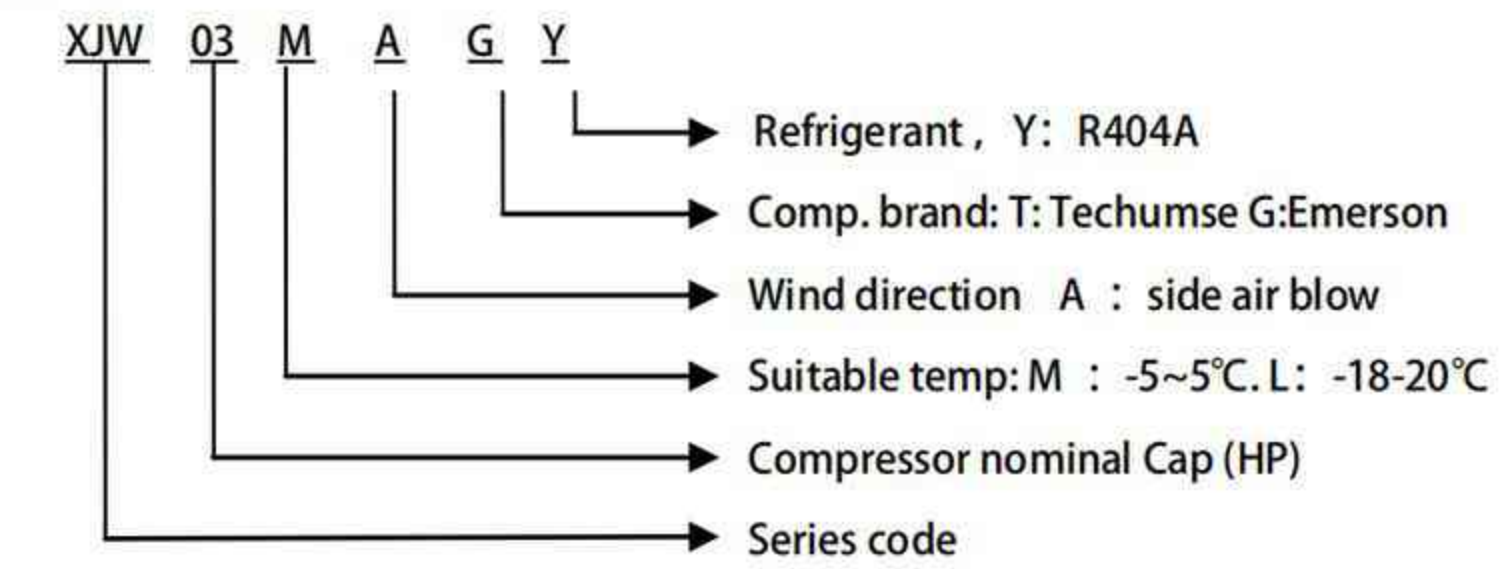


XJW Series Box Type Condensing Units

1. Product description

- ◆ World famous refrigerant compressor ;
- ◆ Compact box type construction for easy installation
- ◆ High efficient and low noise 6 -pole condenser fan motor
- ◆ Condensing fan motor control available for duo fan units
- ◆ World famous refrigerant components
- ◆ With electric control box, and multi protection functions including phase lack, overload, too constant compressor on/off and high/low pressure.

2. Model code



3. Main components

3.1 Techumse compressor series :

Model		XJW0.6MATY	XJW01MATY	XJW1.7MATY	XJW02MATY	XJW03MATY	
Room temperature		-5~5°C					
Refrigerant		R404A					
Power supply		220V/50HZ			380V/50HZ		
Comp	Model	Hermetical					
	Type	CAJ9480Z	CAJ9510Z	CAJ4519Z	TFH4524Z	TFH4531Z	
	Max current (A)	6.6	8.0	15.4	6.3	8.2	
Con fan	Fan number	1	1	1	1	1	
	Air flow (m ³ /h)	1700	1700	1700	3200	3200	
	Fan power (W)	80	80	80	100	100	
Fan voltage		220V/50HZ					
Cap. & input	Te0°C	Cap(W)	1874	2310	4070	4830	6143
		Input (W)	820	980	1850	2090	2610
	Te-5°C	Cap(W)	1553	1924	3340	3890	4990
		Input (W)	760	910	1720	1920	2385
	Te-10°C	Cap(W)	1266	1572	2700	3050	3970
		Input (W)	700	840	1590	1740	2150
Pipe	Oversize(LXWXH)mm	975x450x535	975x450x535	975x450x535	1175x500x635	1175x500x635	
	Installation size(AXB)mm	650x400	650x400	650x400	800x450	800x450	

Cooling capacity at condensing temp 45 °C



Model		XJW01LATY	XJW1.5LATY	XJW02LATY	XJW03LATY	
Room temperature		-15°C ~20 °C				
Refrigerant		R404A				
Power supply		220V/50HZ		380/50HZ		
Comp	Model	Hermetical				
	Type	CAJ2446Z	CAJ2464Z	TFH2480Z	TFH2511Z	
Max current (A)		7.9	10.0	4.8	5.0	
Con fan	Fan number	1	1	1	1	
	Air flow (m ³ /h)	1700	1700	3200	4600	
	Fan power (W)	80	80	100	160	
	Fan voltage	220V/50HZ				
Cap & Input	Te-20°C	Cap(W)	1296	1673	2416	3348
		Input (W)	950	1250	1837	2312
	Te-25°C	Cap(W)	1005	1300	1865	2518
		Input (W)	837	1100	1585	1960
	Te-30°C	Cap(W)	755	990	1347	1817
		Input (W)	723	955	1326	1635
Oversize(LXWXH)mm		975X450X535	975X450X535	1175X500X635	1175X500X635	
Installation size(AXB)mm		650X400	650X400	800X450	800X450	

Cooling capacity at condensing temp 45 °C

3.2 Copeland compressor ZB series

Model		XJW02MAGY	XJW03MAGY	XJW04MAGY	XJW05MAGY	XJW06MAGY	
Room temperature		5°C ~15 °C					
Refrigerant		R404A					
Power supply		380V/50 HZ					
Comp	Model	scroll					
	Type	ZB15KQE	ZB21KQE	ZB29KQE	ZB38KQE	ZB45KQE	
Max current (A)		6.0	8.0	11.0	12.5	16.1	
Con fan	Fan number	1	1	2	2	2	
	Air flow (m ³ /h)	3200	4600	6400	9200	9200	
	Fan power (W)	100	160	100×2	160×2	160×2	
	Fan voltage						
Cap & Input	Te0°C	Cap(W)	4760	6990	9480	11950	14000
		Input (W)	1720	2480	3290	4150	4700
	Te -5°C	Cap(W)	3820	5740	7790	9830	11500
		Input (W)	1760	2500	3310	4180	4730
	Te-10°C	Cap(W)	3080	4680	6360	8020	9380
		Input (W)	1820	2510	3330	4200	4750
	Te-15°C	Cap(W)	2430	3780	5130	6480	7580
		Input (W)	1880	2510	3330	4210	4760
	Te -20°C	Cap(W)	1870	3020	4100	5170	6050
		Input (W)	1930	2520	3340	4210	4770
Oversize(LXWXH)mm		1175X500X635	1175X500X635	1175X500X1235	1175X500X1235	1175X500X1235	
Installation size(AXB)mm		800X450	800X450	800X450	800X450	800X450	

Cooling capacity at condensing temp 45 °C



3.3 Copeland compressor ZF series :

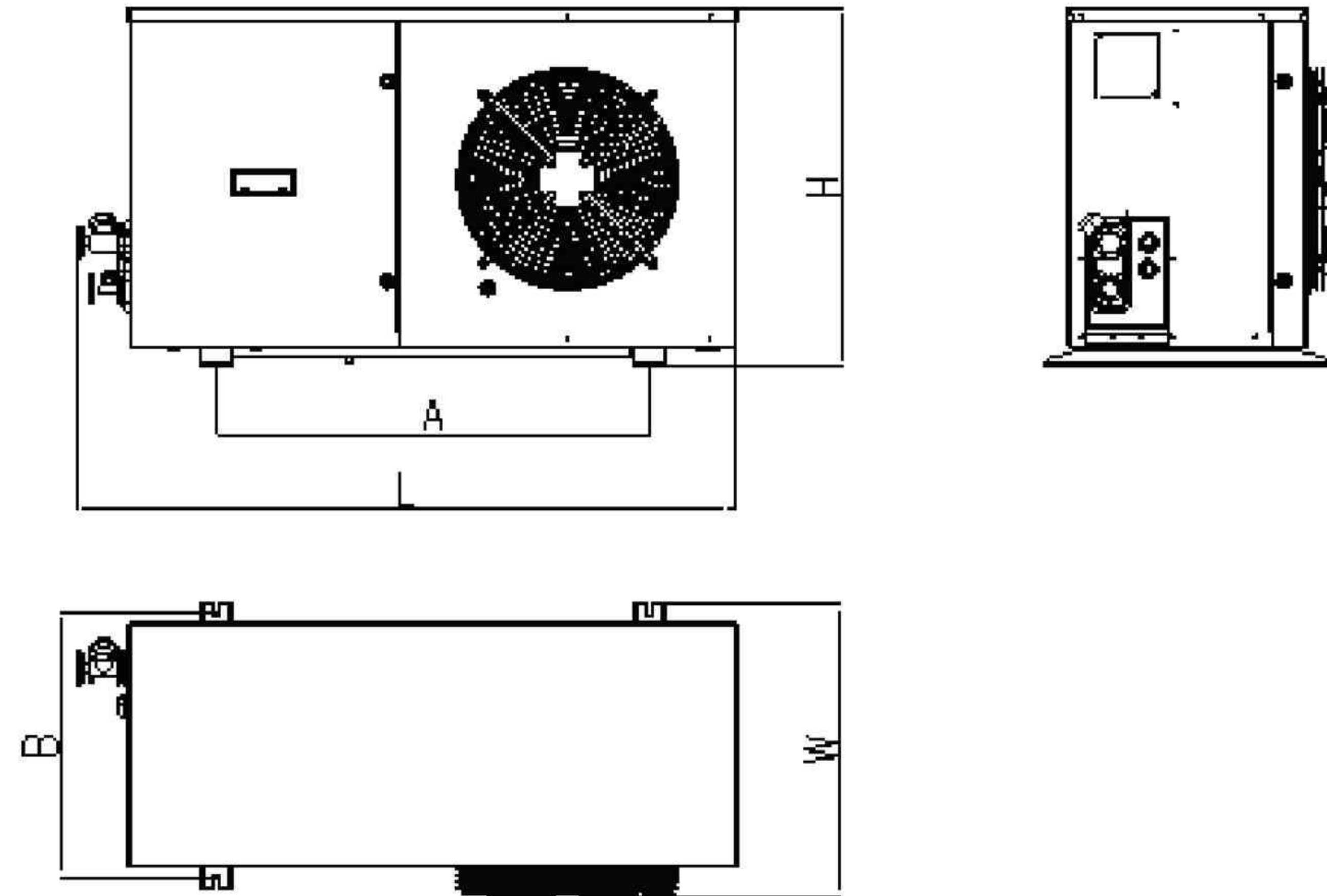
Model		XJW02LAGY	XJW03LAGY	XJW04LAGY	XJW05LAGY	XJW06LAGY	
Room temperature		-18°C ~35 °C					
Refrigerant		R404A					
Power supply		380V/3 Phase/50 HZ					
Comp	Model	Scroll					
	Type	ZF06KQE	ZF09KQE	ZF11KQE	ZF15KQE	ZF18KQE	
Max current (A)		5	6	8	10	12.5	
Con fan	Fan number	1	1	1	2	2	
	Air flow (m ³ /h)	3200	3200	4600	6400	9200	
	Fan power (W)	100	100	160	100×2	160×2	
	Fan voltage	220V/50HZ					
Cap & Input	Te-25°C	Cap(W)	1710	2340	2930	4130	5020
		Input (W)	1640	2030	2460	3400	4010
	Te-30°C	Cap(W)	1370	1860	2340	3270	3990
		Input (W)	1590	1990	2400	3250	3880
	Te-35°C	Cap(W)	1080	1460	1850	2560	3140
		Input (W)	1550	1960	2350	3110	3760
	Te-40°C	Cap(W)	830	1130	1430	1960	2430
		Input (W)	1510	1960	2330	2950	3650
Pipe	Gas (inch)	3/4SAE	3/4SAE	3/4SAE	7/8SAE	7/8SAE	
	Liquid (inch)	3/8SAE	3/8SAE	3/8SAE	1/2SAE	1/2SAE	
Size Drawing		NO.2	NO.2	NO.2	NO.3	NO.3	

Model		XJW08LAGY	XJW10LAGY	XJW13LAGY	
Room temperature		-18°C ~35 °C			
Refrigerant		R404A			
Power supply		380V/3Ph/50 HZ			
Comp	Model	Scroll			
	Type	ZF25KQE	ZF34KQE	ZF41KQE	
Max current (A)		16.1	22.6	25.1	
Con fan	Fan number	2	2	2	
	Air flow (m ³ /h)	9200	10580	10580	
	Fan power (W)	160×2	230×2	230×2	
	Fan voltage	220V/50HZ			
Cap & Input	Te-25°C	Cap(W)	6370	8750	10850
		Input (W)	5360	7060	8920
	Te-30°C	Cap(W)	5080	6950	8640
		Input (W)	5130	6700	8490
	Te-35°C	Cap(W)	3970	5430	6740
		Input (W)	4880	6310	8060
	Te-40°C	Cap(W)	2980	4140	5090
		Input (W)	4620	5910	7620
Pipe	Gas (inch)	7/8SAE	1-1/8ODS	1-1/8ODS	
	Liquid (inch)	1/2SAE	5/8ODS	5/8ODS	

Cooling capacity at condensing temp 45 °C



4. Diagrams for Overall sizes :



XJB -E Series Box type Semi -hermetic Condensing Units

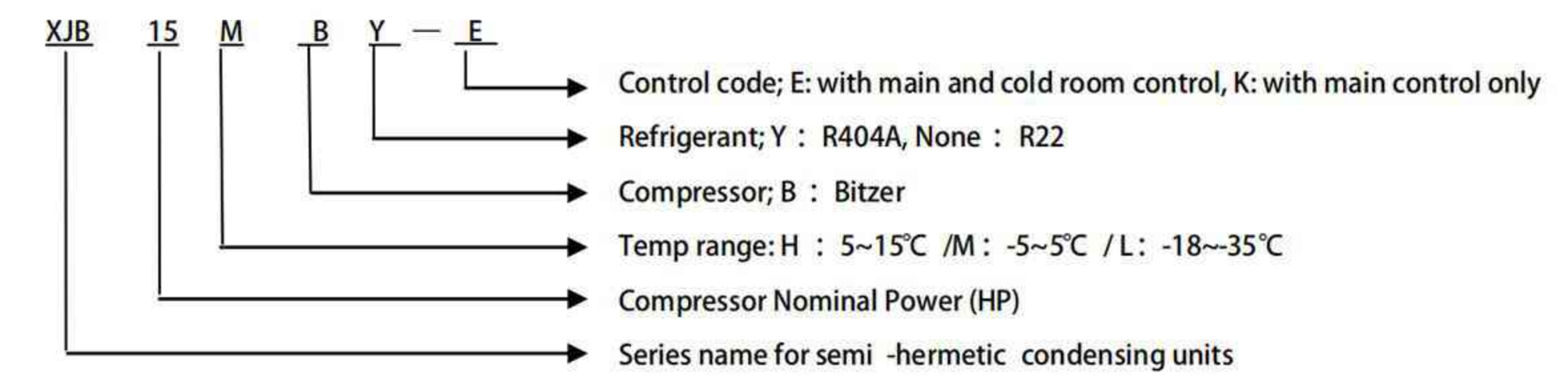
1. Product description :

According to demands of market, we design this new series XJB -E on basis of XJB series. This new series products feature box type structure with hermetic compressor and control box, which is compact and pleasant looking, applicable to cold display cases, cold storage rooms, ice producers etc. The applicable temperature ranges are: -5°C~ 15°C, -5°C~5°C and -15~-25°C. They can be widely used in hotels, restaurants, medicines, agricultural, chemicals industries all other place where cold storage is needed.

Features of these series products:

- ◆ Electric components were added on the basis of old XJB series, including condensing unit, main control board, cold room temp control board and operation board. Cold room temp control board and operation board are optional.
- ◆ Main control board can start/stop compressor by system low voltage, be suitable for super market, milk container, water chiller etc. If all optional included, system can control compressor by temp., with function of temp. and defrosting adjustment. The complete set of control system can be used for cold room directly, no extra controller required.
- ◆ With multi protections including phase protection, phase lack, over current, too constant start of compressor, discharge temp and system high/low temp.
- ◆ With fan speed regulator, to adjust condensing fan according to condensing temp.
- ◆ With operation data display function, to check operation current of compressor, discharge temp. and condensing temp.
- ◆ With system alarm function. When fault effects, the system will make alarm beep sound to remind user.
- ◆ The operation board can show temp., setting, defrosting control, operation system data checking and coldroom temp. alarm functions. It can be installed apart from condensing units for remote control.

2. Model code :



3. Main components

①Compressor ②oil heating belt ③Vibration Eliminator ④ Oil Separator ⑤condenser ⑥liquid receiver ⑦ filter ⑧ sight glass ⑨solenoid valve ⑩H/L pressure gauge ⑪ mechanical pressure switch ⑫ Oil pressure protection ⑬ oil/liquid accumulator ⑭ Low pressure control (for compressor)

XJB03MB...XJB09MB.XJB02MBY...XJB06MBY .XJB04LBY...XJB06LBY:

Standard : ①.②.⑤.⑥.⑦.⑨.⑩.⑪.⑬;

XJB10MB...XJB20MB.XJB09MBY...XJB14MBY .XJB09LBY...XJB14LBY:

Standard : ①.②.③.⑤.⑥.⑦.⑧.⑨.⑩.⑪.⑬; Optional : ④.⑬

XJB25MB...XJB30MB.XJB18MBY...XJB23MBY.XJB18LBY...XJB34LBY :

Standard : ①.②.③.④.⑤.⑥.⑦.⑧.⑨.⑩.⑪.⑬ ; Optional : ⑬

For condensing units with main controller only, ⑫ is standard



4. Specifications

1. Medium Temperature series (Applicable for Te -5~20°C):

1) R22 units

Model	XJB03MB-E	XJB04MB-E	XJB05MB-E	XJB06MB-E	XJB07MB-E	XJB09MB-E		
Room temperature	-5°C ~5 °C							
Power supply	380V/3Ph/50HZ							
Compressor model	2DES-3	2CES-4	4FES-5	4EES-6	4DES-7	4CES-9		
Condenser	Fan Qty	1	1	1	1	1		
	Fan Voltage(V)	220	220	220	220	220		
	Fan Input(W)	240	240	240	460	460	550	
Cap & input	Te-5°C	Cap(W)	7850	9660	10300	13100	15660	19290
		input(W)	2.97	3.65	3.83	4.9	5.8	7.22
	Te-10°C	Cap(W)	6330	7820	8270	10540	12630	15610
		input(W)	2.76	3.4	3.56	4.54	5.4	6.72
	Te-15°C	Cap(W)	5040	6250	6540	8360	10400	12460
		input(W)	2.53	3.12	3.25	4.14	4.94	6.16
Pipe	Gas dia.(mm)	φ22	φ22	φ22	φ28	φ28	φ28	
	Liquid dia.(mm)	φ12	φ12	φ12	φ12	φ12	φ12	
Overall sizes	L (mm)	967	967	967	967	967	967	
	W (mm)	675	675	675	825	825	825	
	H (mm)	815	815	815	1035	1035	1035	
Install sizes (A×B (mm))	570×635	570×635	570×635	570×785	570×785	570×785		

Model	XJB12MB-E	XJB15MB-E	XJB20MB-E	XJB25MB-E	XJB30MB-E		
Room temperature	-5°C ~5 °C						
Power supply	380V/3Ph/50HZ						
Compressor model	4TES-12	4PES-15	4NES-20	4HE-25	4GE-30		
Condenser	Fan Qty	2	2	2	2		
	Fan Voltage(V)	220	220	220	220		
	Fan Input(W)	460×2	460×2	550×2	780×2	780×2	
Cap & input	Te-5°C	Cap(W)	25200	28800	34000	45400	52600
		input(W)	8.83	10.05	11.81	15.86	18.28
	Te-10°C	Cap(W)	20200	23000	27200	36400	42400
		input(W)	8.15	9.23	10.88	14.66	16.93
	Te-15°C	Cap(W)	15920	17990	21400	28800	33600
		input(W)	7.39	8.32	9.86	13.33	15.44
Pipe	Gas dia.(mm)	φ35	φ42	φ42	φ54	φ54	
	Liquid dia.(mm)	φ16	φ16	φ22	φ22	φ22	
Overall sizes	L (mm)	1354	1354	1870	1870	1870	
	W (mm)	825	825	925	925	925	
	H (mm)	1235	1235	1235	1235	1235	
Install sizes (A×B (mm))	950×785	950×785	755×885	755×885	755×885		

Remark: 1) Above data under conditions of Ambient Temp. 32 °C, condensing temp .45°C;

2) All fan motor for evaporator should with power supply 220V AC.



2) Refrigerant R404A/R507A :

Model	XJB02MBY-E	XJB03MBY-E	XJB04MBY-E	XJB05MBY-E	XJB06MBY-E		
Room temperature	-5°C ~5 °C						
Power supply	380V/3Ph/50HZ						
Compressor model	2DES-2Y	2CES-3Y	4EES-4Y	4DES-5Y	4CES-6Y		
Condenser	Fan Qty	1	1	1	1		
	Fan Voltage(V)	220	220	220	220		
	Fan Input(W)	240	240	460	460	550	
Cap & input	Te-5°C	Cap(W)	7770	9590	13220	15800	19150
		input(W)	3.41	4.16	5.76	6.8	8.13
	Te-10°C	Cap(W)	6220	7700	10560	12610	15250
		input(W)	3.13	3.84	5.34	6.3	7.51
	Te-15°C	Cap(W)	4900	6100	8330	9940	11980
		input(W)	2.84	3.5	4.87	5.75	6.82
Pipe	Gas dia.(mm)	φ22	φ22	φ28	φ28	φ28	
	Liquid dia.(mm)	φ12	φ12	φ12	φ12	φ12	
Overall sizes	L (mm)	967	967	967	967	967	
	W (mm)	675	675	825	825	825	
	H (mm)	815	815	1035	1035	1035	
Install sizes (A×B (mm))	570×635	570×635	570×785	570×785	570×785		

Model	XJB09MBY-E	XJB12MBY-E	XJB14MBY-E	XJB18MBY-E	XJB23MBY-E		
Room temperature	-5°C ~5 °C						
Power supply	380V/3Ph/50HZ						
Compressor model	4TES-9Y	4PES-12Y	4NES-14Y	4HE-18Y	4GE-23Y		
Condenser	Fan Qty	2	2	2	2		
	Fan Voltage(V)	220	220	220	220		
	Fan Input(W)	460×2	460×2	550×2	780×2	780×2	
Cap & input	Te-5°C	Cap(W)	24200	27600	32900	44200	51000
		input(W)	10.18	11.29	13.63	18.39	22.0
	Te-10°C	Cap(W)	19160	21800	26100	35400	41100
		input(W)	9.28	10.27	12.48	16.89	20.1
	Te-15°C	Cap(W)	14960	16850	20300	28000	32600
		input(W)	8.32	9.17	11.23	15.3	18.21
Pipe	Gas dia.(mm)	φ35	φ35	φ35	φ42	φ54	
	Liquid dia.(mm)	φ16	φ16	φ22	φ22	φ22	
Overall sizes	L (mm)	1354	1354	1870	1870	1870	
	W (mm)	825	825	925	925	925	
	H (mm)	1235	1235	1235	1235	1235	
Install sizes (A×B (mm))	950×785	950×785	755×885	755×885	755×885		

Remark: 1) Above data under conditions of Ambient Temp. 32 °C, condensing temp.45 °C;

2) All fan motor for evaporator should with power supply 220V AC.



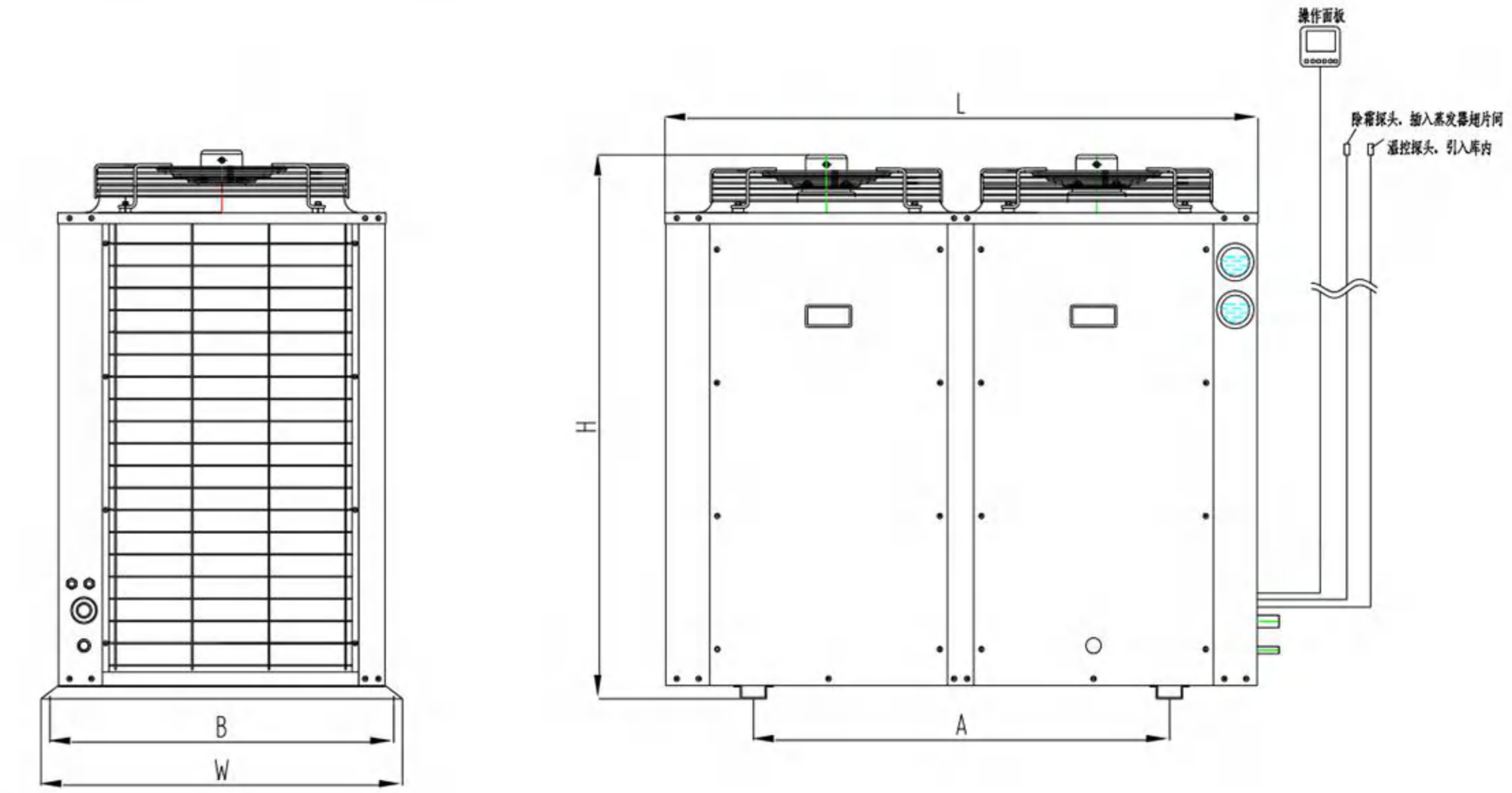
2.Low Temperature series (Applicable for Te -20~-40°C, refrigerant R404A/R507A)

Model		XJB04LBY-E	XJB05LBY-E	XJB06LBY-E	XJB09LBY-E	XJB12LBY-E	XJB14LBY-E	
Room temperature		-15°C ~-30°C						
Power supply		380V/3Ph/50 HZ						
Compressor model		4EES-4Y	4DES-5Y	4CES-6Y	4TES-9Y	4PES-12Y	4NES-14Y	
Condenser	Fan Qty	1	1	1	1	1	1	
	Fan Voltage(V)	220	220	220	220	220	220	
	Fan Input(W)	240	240	240	550	550	550	
	Te	Cap(W)	4940	5900	7040	8620	9500	11700
		input(W)	3.84	4.55	5.36	6.35	6.88	8.58
	-25°C	Cap(W)	3690	4400	5220	6310	6830	8550
		input(W)	3.32	3.94	4.61	5.38	5.74	7.24
	-30°C	Cap(W)	2680	3200	3760	4460	4710	6030
		input(W)	2.8	3.34	3.89	4.46	4.64	5.94
-35°C	Cap(W)	1880	2250	2610	3000	3060	4060	
	input(W)	2.3	2.76	3.2	3.61	3.62	4.72	
-40°C	Cap(W)							
	input(W)							
Pipe	Gas dia.(mm)	φ28	φ28	φ28	φ35	φ35	φ35	
	Liquid dia.(mm)	φ12	φ12	φ12	φ16	φ16	φ22	
Overall sizes	L (mm)	967	967	967	967	967	967	
	W (mm)	675	675	675	825	825	825	
	H (mm)	815	815	815	1235	1235	1235	
Install sizes (A×B) (mm)		570×635	570×635	570×635	570×785	570×785	570×785	

Model		XJB18LBY-E	XJB23LBY-E	XJB28LBY-E	XJB34LBY-E	
Room temperature		-15°C ~-30 °C				
Power supply		380V/3Ph/50 HZ				
Compressor model		4HE-18Y	4GE-23Y	6HE-28Y	6GE-34Y	
Condenser	Fan Qty	2	2	2	2	
	Fan Voltage(V)	220	220	220	220	
	Fan Input(W)	460×2	460×2	550×2	780×2	
	Te	Cap(W)	16690	19670	23500	29700
		input(W)	12.0	14.27	17.13	21.8
	-25°C	Cap(W)	12450	14820	17760	22600
		input(W)	10.35	12.33	14.78	18.95
	-30°C	Cap(W)	9000	10870	12980	16680
		input(W)	8.75	10.46	12.46	16.19
-35°C	Cap(W)	6220	7690	9070	11910	
	input(W)	7.23	8.71	10.22	13.56	
-40°C	Cap(W)					
	input(W)					
Pipe	Gas dia.(mm)	φ42	φ42	φ54	φ54	
	Liquid dia.(mm)	φ22	φ22	φ22	φ22	
Overall sizes	L (mm)	1354	1354	1870	1870	
	W (mm)	825	825	925	925	
	H (mm)	1235	1235	1235	1235	
Install sizes (A×B) (mm)		950×785	950×785	755×885	755×885	

Remark: 1) Above data under conditions of Ambient Temp. 32 °C, condensing temp.45 °C;
 2) All fan motor for evaporator should with power supply 220V AC.

5. Diagrams for Overall sizes



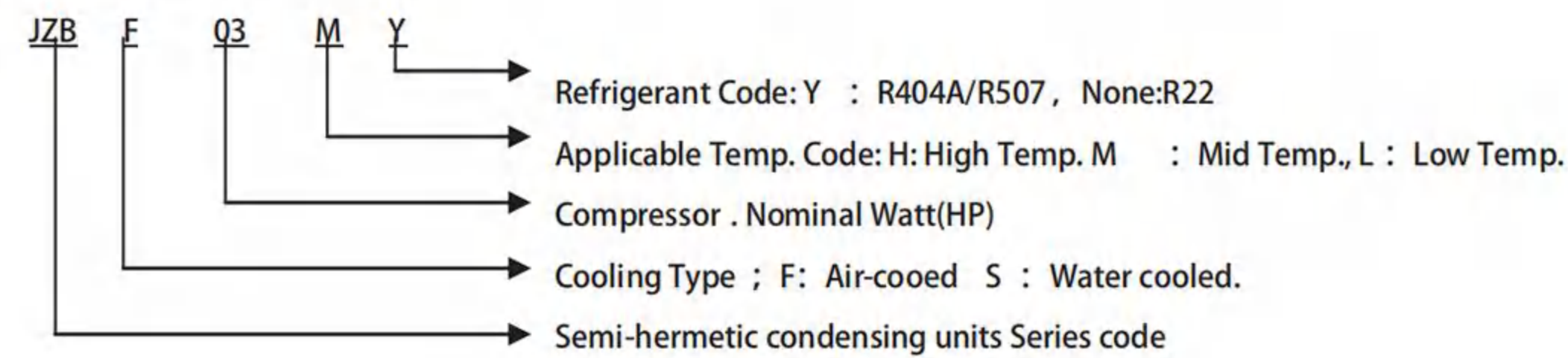


JZB Series Semi -hermetic Condensing Units

1. Product description

- ◆ With Bitzer ECOLINE series semi -hermetic compressor
- ◆ With copper tube -Alu. Fin air cooled condenser or high efficient shell -tube water cooled condenser.
- ◆ Air cooled condensing units with low noise and high efficient external rotor fan motor
- ◆ With high quality China made or imported components
- ◆ System with water -proof cable connection box for easy connection
- ◆ A complete product range with wide temp. range available, can be used for keeping fresh, cold storage, ice making and cold water etc.

2. Model code



3. Main components

- ①compressor ②oil heating ③vibration eliminator ④oil separator ⑤condenser ⑥ liquid receiver ⑦filter ⑧sight glasses ⑨ solenoid valve ⑩H/L P gauge mechanical Pressure controller ☒oil pressure protection ☒gas separator ☒suction filter

3.1 Air Cooled Condensing units :

JZBF02M...JZBF20M.JZBF02M(L)Y...JZBF14M(L)Y:

Standard : ①.②.⑤.⑥.⑦.⑧.⑨.⑩.☒; Optional : ③.④.☒.☒

JZBF25M...JZBF50M.JZBF18M(L)Y...JZBF44M(L)Y:

Standard : ①.②.③.④.⑤.⑥.⑦.⑧.⑨.⑩.☒.☒; Optional : ☒.☒

3.2 Water Cooled Condensing units :

JZBS03M...JZBS20M.JZBS02M(L)Y...JZBS14M(L)Y:

Standard : ①.②.⑤.⑦.⑧.⑨.⑩.☒; Optional : ③.④.☒.☒

JZBS25M...JZBS50M.JZBS18M(L)Y...JZBS44M(L)Y:

Standard : ①.②.③.④.⑤.⑦.⑧.⑨.⑩.☒.☒; Optional : ☒.☒

4. Specifications:

4.1 Air cooled refrigerant

4.1.1 Air cooled Medium Temp. (Applicable for Te -5°C~20°C) :

4.1.1.1 Refrigerant R22

Model		JZBF02M	JZBF03M	JZBF03M	JZBF03M	JZBF04M	JZBF05M	
Comp model		2GES-2	2FES-3	2EES-3	2DES-3	2CES-4	4FES-5	
Temperature (°C)		-10°C ~5 °C						
Power supply		380V/3Ph./50 HZ						
Condenser	Fan Qty	1	1	2	2	2	2	
	Voltage (V)	380	380	380	380	380	380	
	Input (W)	180×1	180×1	140×2	140×2	180×2	180×2	
Comp Cap. & Input	Te. -5°C	Cap (W)	4270	5250	6570	7850	9660	10300
		Input (KW)	1.76	2.14	2.48	2.97	3.65	3.83
	Te. -10°C	Cap (W)	3460	4250	5290	6330	7820	8270
		Input (KW)	1.65	2.0	2.3	2.76	3.4	3.56
	Te. -15°C	Cap (W)	2780	3390	4190	5040	6250	6540
		Input (KW)	1.53	1.86	2.11	2.53	3.12	3.25
Pipe	Gas In (mm)	φ16	φ16	φ22	φ22	φ22	φ22	
	Liquid dia. (m m)	φ10	φ10	φ12	φ12	φ12	φ12	
Overall Size	A (mm)	620	620	960	960	1060	1300	
	B (mm)	650	650	680	680	680	750	
	C (mm)	560	560	460	510	720	670	
Installation size (A×B) (mm)		580×350	580×350	920×380	920×380	1020×380	1260×410	

Model		JZBF06M	JZBF07M	JZBF09M	JZBF12M	JZBF15M	JZBF20M	
Comp model		4EES-6	4DES-7	4CES-9	4TES-12	4PES-15	4NES-20	
Temperature (°C)		-10°C ~5 °C						
Power supply		380V/3Ph./50 HZ						
Condenser	Fan Qty	2	2	2	4	4	4	
	Voltage (V)	380	380	380	380	380	380	
	Input (W)	180×2	250×2	250×2	180×4	180×4	180×4	
Comp Cap. & Input	Te -5°C	Cap (W)	13100	15660	19290	25200	28800	34000
		Input (KW)	4.9	5.8	7.22	8.83	10.05	11.81
	Te -10°C	Cap (W)	10540	12630	15610	20200	23000	27200
		Input (KW)	4.54	5.4	6.72	8.15	9.23	10.88
	Te -15°C	Cap (W)	8360	10040	12460	15920	17990	21400
		Input (KW)	4.14	4.94	6.16	7.39	8.32	9.86
Pipe	Gas In (mm)	φ28	φ28	φ28	φ35	φ42	φ42	
	Liquid dia. (mm)	φ12	φ16	φ16	φ16	φ22	φ22	
Overall Size	A (mm)	1300	1300	1280	1280	1280	1350	
	B (mm)	750	750	710	710	750	800	
	C (mm)	770	870	910	1210	1460	1410	
Installation size		1260×410	1260×410	1000×665	1000×665	1000×705	1000×755	



Model	JZBF25M	JZBF30M	JZBF35M	JZBF40M	JZBF50M		
Comp model	4HE-25	4GE-30	6HE-35	6GE-40	6FE-50		
Temperature (°C)	-10°C ~5 °C						
Power supply	380V/3Ph./50 HZ						
Con denser	Fan Qty	2	2	3	3	3	
	Voltage (V)	380	380	380	380	380	
	Input (W)	780×2	780×2	800×3	800×3	800×3	
Comp Cap. & Input	Te-5°C	Cap (W)	45400	52600	68000	78100	94100
		Input (KW)	15.86	18.28	23.9	27.4	33.3
	Te-10°C	Cap (W)	36400	42400	54700	62700	75700
		Input (KW)	14.66	16.93	22.1	25.3	30.9
	Te-15°C	Cap (W)	28800	33600	43200	49600	60000
		Input (KW)	13.33	15.44	20.0	23.1	28.2
Pipe	Gas In (mm)	φ54	φ54	φ54	φ54	φ54	
	Liquid dia. (mm)	φ22	φ22	φ28	φ28	φ28	
Overall Size	A (mm)	1150	1150	1050	1050	1600	
	B (mm)	570	570	600	600	610	
	C (mm)	860	860	910	910	880	
Installation size	800×525	800×525	800×525	800×555	1000×600		
Condenser Size	A (mm)	1840	1840	2640	2640	3040	
	B (mm)	980	980	1030	1030	1030	
	C (mm)	1100	1100	1100	1100	1100	

Remark : 1) Conde nsing temp. 45 °C 2)Condenser will be separately installed for condensing units Cap. > 25Hp.

4.1.1.2 Refrigerant R404A/R507A:

Model	JZBF02MY	JZBF02MY	JZBF02MY	JZBF02MY	JZBF03MY	JZBF03MY		
Comp model	2GES-2Y	2FES-2Y	2EES-2Y	2DES-2Y	2CES-3Y	4FES-3Y		
Temperature (°C)	-10°C ~5 °C							
Power supply	380V/3Ph/50 HZ							
Condenser	Fan Qty	1	1	2	2	2		
	Voltage (V)	380	380	380	380	380		
	Input (W)	180×1	180×1	140×2	140×2	180×2	180×2	
Comp Cap. & Input	Te-5°C	Cap (W)	4060	5010	6490	7770	9590	
		Input (KW)	1.94	2.41	2.79	3.41	4.16	4.49
	Te-10°C	Cap (W)	3240	4000	5180	6220	7700	8310
		Input (KW)	1.81	2.25	2.56	3.13	3.84	4.17
	Te-15°C	Cap (W)	2550	3140	4070	4900	6100	6550
		Input (KW)	1.66	2.06	2.31	2.84	3.5	3.82
Pipe	Gas In (mm)	φ16	φ16	φ22	φ22	φ22	φ22	
	Liquid dia. (mm)	φ10	φ10	φ12	φ12	φ12	φ12	
Overall Size	A (mm)	620	620	960	960	1060	1300	
	B (mm)	650	650	680	680	680	750	
	C (mm)	560	560	460	510	720	670	
Installation size	580×350	580×350	920×380	920×380	1020×380	1260×410		



Model	JZBF04MY	JZBF05MY	JZBF06MY	JZBF09MY	JZBF12MY	JZBF14MY		
Comp model	4EES-4Y	4DES-5Y	4CES-6Y	4TES-9Y	4PES-12Y	4NES-14Y		
Temperature (°C)	-10°C ~5 °C							
Power supply	380V/3Ph/50 HZ							
Condenser	Fan Qty	2	2	2	4	4	4	
	Voltage (V)	380	380	380	380	380	380	
	Input (W)	180×2	250×2	250×2	180×4	180×4	180×4	
Comp Cap. & Input	Te-5°C	Cap (W)	13220	15800	19150	24200	27600	
		Input (KW)	5.76	6.8	8.13	10.18	11.29	13.63
	Te-10°C	Cap (W)	10560	12610	15250	19160	21800	26100
		Input (KW)	5.34	6.3	7.51	9.28	10.27	12.48
	Te-15°C	Cap (W)	8330	9940	11980	14960	16850	20300
		Input (KW)	4.87	5.75	6.82	8.32	9.17	11.23
Pipe	Gas In (mm)	φ28	φ28	φ28	φ35	φ35	φ42	
	Liquid dia. (mm)	φ12	φ16	φ16	φ16	φ22	φ22	
Overall Size	A (mm)	1300	1300	1280	1280	1280	1350	
	B (mm)	750	750	710	710	750	800	
	C (mm)	770	870	910	1210	1460	1410	
Installation size (A×B) (mm)	1260×410	1260×410	1000×665	1000×665	1000×705	1000×755		

Model	JZBF18MY	JZBF23MY	JZBF28MY	JZBF34MY	JZBF44MY		
Comp model	4HE-18Y	4GE-23Y	6HE-28Y	6GE-34Y	6FE-44Y		
Temperature (°C)	-10°C ~5 °C						
Power supply	380V/3Ph/50 HZ						
Condenser	Fan Qty	2	2	3	3	3	
	Voltage (V)	380	380	380	380	380	
	Input (W)	780×2	780×2	800×3	800×3	800×3	
Comp Cap. & Input	Te-5°C	Cap (W)	45200	52200	64900	77000	
		Input (KW)	18.39	22.0	27.0	32.7	38.9
	Te-10°C	Cap (W)	37100	43000	52100	63800	76400
		Input (KW)	16.89	20.1	24.9	30.1	36.0
	Te-15°C	Cap (W)	30100	35100	41200	52300	62600
		Input (KW)	15.3	18.21	22.6	27.4	32.9
Pipe	Gas In (mm)	φ42	φ54	φ54	φ54	φ54	
	Liquid dia. (mm)	φ22	φ22	φ28	φ28	φ28	
Overall Size	A (mm)	1150	1150	1050	1050	1600	
	B (mm)	570	570	600	600	610	
	C (mm)	860	860	910	910	880	
Installation size (A×B) (mm)	800×525	800×525	800×525	800×555	1000×600		
Condenser Size	A (mm)	1840	1840	2640	2640	3040	
	B (mm)	980	980	1030	1030	1030	
	C (mm)	1100	1100	1100	1100	1100	

Remark : 1) Condensing temp. 45 °C; 2) Condenser will be separately installed for condensing units Cap. > 18Hp.



4.1.2 Air cooled Medium Temp. (Applicable for Te -20°C~40°C):

Model		JZBF02LY	JZBF02LY	JZBF02LY	JZBF03LY	JZBF03LY	JZBF04LY	
Comp model		2FES-2Y	2EES-2Y	2DES-2Y	2CES-3Y	4FES-3Y	4EES-4Y	
Temperature (°C)		-15°C ~30 °C						
Power supply		380V/3Ph/50 HZ						
Condenser	Fan Qty	1	1	1	2	2	2	
	Voltage (V)	380	380	380	380	380	380	
	Input (W)	140	180	180	140×2	140×2	180×2	
Comp Cap. & Input	Te -25°C	Cap (W)	1820	2370	2870	3630	3890	4940
		Input (KW)	1.64	1.79	2.21	2.76	3.06	3.84
	Te -30°C	Cap (W)	1330	1720	2110	2690	2910	3690
		Input (KW)	1.42	1.53	1.89	2.39	2.66	3.32
	Te -35°C	Cap (W)	920	1200	1480	1920	2130	2680
		Input (KW)	1.19	1.26	1.58	2.03	2.26	2.8
Te -40°C	Cap (W)	590	770	980	1300	1500	1880	
	Input (KW)	0.97	1.01	1.27	1.67	1.88	2.3	
Pipe	Gas In (mm)	φ 16	φ 22	φ 22	φ 22	φ 22	φ 28	
	Liquid dia. (mm)	φ 10	φ 10	φ 12	φ 12	φ 12	φ 12	
Overall Size	A (mm)	620	620	620	960	960	1060	
	B (mm)	650	650	650	680	680	680	
	C (mm)	510	560	560	460	510	620	
Installation size (A×B) (mm)		580×350	580×350	580×350	920×380	920×380	1020×380	

Model		JZBF05LY	JZBF06LY	JZBF09LY	JZBF12LY	JZBF14LY	
Comp model		4DES-5Y	4CES-6Y	4TES-9Y	4PES-12Y	4NES-14Y	
Temperature (°C)		-15°C ~30 °C					
Power supply		380V/3Ph/50 HZ					
Condenser	Fan Qty	2	2	2	2	4	
	Voltage (V)	380	380	380	380	380	
	Input (W)	180×2	180×2	250×2	250×2	180×4	
Comp Cap. & Input	Te -25°C	Cap (W)	5900	7040	8620	9500	11700
		Input (KW)	4.55	5.36	6.35	6.88	8.58
	Te -30°C	Cap (W)	4400	5220	6310	6830	8550
		Input (KW)	3.94	4.61	5.38	5.74	7.24
	Te -35°C	Cap (W)	3200	3760	4460	4710	6030
		Input (KW)	3.34	3.89	4.46	4.64	5.94
Te -40°C	Cap (W)	2250	2610	3000	3060	4060	
	Input (KW)	2.76	3.2	3.61	3.62	4.72	
Pipe	Gas In (mm)	φ 28	φ 28	φ 35	φ 35	φ 35	
	Liquid dia. (mm)	φ 12	φ 12	φ 16	φ 16	φ 22	
Overall Size	A (mm)	1060	1300	1280	1280	1280	
	B (mm)	680	750	710	710	750	
	C (mm)	720	670	910	910	1210	
Installation size (A×B) (mm)		1020×380	1260×410	1000×665	1000×665	1000×705	

Model		JZBF18LY	JZBF23LY	JZBF28LY	JZBF34LY	JZBF44LY	
Comp model		4HE-18Y	4GE-23Y	6HE-28Y	6GE-34Y	6FE-44Y	
Temperature (°C)		-15°C ~30 °C					
Power supply		380V/3Ph/50 HZ					
Condenser	Fan Qty	4	4	4	2	2	
	Voltage (V)	380	380	380	380	380	
	Input (W)	180×4	180×4	180×4	780×2	780×2	
Comp Cap. & Input	Te -25°C	Cap (W)	16690	19670	24600	29700	35300
		Input (KW)	12.0	14.27	17.69	21.8	26.2
	Te -30°C	Cap (W)	12450	14820	18340	22600	26600
		Input (KW)	10.35	12.33	15.2	18.95	22.7
	Te -35°C	Cap (W)	9000	10870	13260	16680	19460
		Input (KW)	8.75	10.46	12.75	16.19	19.35
Te -40°C	Cap (W)	6220	7690	9170	11910	13610	
	Input (KW)	7.23	8.71	10.4	13.56	16.07	
Pipe	Gas In (mm)	φ 42	φ 54	φ 54	φ 54	φ 54	
	Liquid dia. (mm)	φ 22	φ 22	φ 22	φ 22	φ 28	
Overall Size	A (mm)	1280	1350	1350	1150	1050	
	B (mm)	800	850	850	570	600	
	C (mm)	1460	1410	1410	1000	1050	
Installation size (A×B) (mm)		1000×755	1000×805	1000×805	800×525	800×555	
Condenser Size	A (mm)	---	---	---	1840	1840	
	B (mm)	---	---	---	980	980	
	C (mm)	---	---	---	1100	1100	

Remark : 1) Condensing temp. 45 °C; 2) Condenser will be separately installed for condensing units Cap. > 34Hp.

4.2 Water cooled

4.2.1 Water cooled Medium Temp. (Applicable for Te -5°C~20°C):

4.2.1.1 Refrigerant R22 :

Model		JZBS03M	JZBS03M	JZBS03M	JZBS04M	JZBS05M	JZBS06M	
Comp model		2FES-3	2EES-3	2DES-3	2CES-4	4FES-5	4EES-6	
Temperature (°C)		-10°C ~5 °C						
Power supply		380V/3Ph/50 HZ						
Comp Cap. & Input	Te -5°C	Cap (W)	5650	7050	8410	10340	11900	10490
		Input (KW)	1.98	2.32	2.77	3.39	3.6	4.58
	Te -10°C	Cap (W)	4590	5700	6810	8390	8940	11380
		Input (KW)	1.88	2.18	2.6	3.19	3.37	4.29
	Te -15°C	Cap (W)	3690	4540	5440	6730	7110	9060
		Input (KW)	1.75	2.01	2.4	2.95	3.1	3.94
Cooling Water (m³/h)		1.8	2.0	2.5	3.0	3.2	4.1	
Pipe	Gas In (mm)	φ 16	φ 22	φ 22	φ 22	φ 22	φ 28	
	Liquid dia. (mm)	φ 12	φ 12	φ 12	φ 12	φ 12	φ 12	
	Water Pipe(inch)	1-1/4 "	1-1/4 "	1-1/4 "	1-1/4 "	1-1/4 "	1-1/4 "	
Overall Size	A (mm)	745	745	745	935	1085	1085	
	B (mm)	350	350	350	370	370	370	
	C (mm)	515	555	555	625	665	665	
Installation size (A×B) (mm)		510×290	510×290	510×290	600×320	710×320	710×320	



4.1.2 Air cooled Medium Temp. (Applicable for Te -20°C~40°C):

Model		JZBF02LY	JZBF02LY	JZBF02LY	JZBF03LY	JZBF03LY	JZBF04LY	
Comp model		2FES-2Y	2EES-2Y	2DES-2Y	2CES-3Y	4FES-3Y	4EES-4Y	
Temperature (°C)		-15°C ~30 °C						
Power supply		380V/3Ph/50 HZ						
Condenser	Fan Qty	1	1	1	2	2	2	
	Voltage (V)	380	380	380	380	380	380	
	Input (W)	140	180	180	140×2	140×2	180×2	
Comp Cap. & Input	Te -25°C	Cap (W)	1820	2370	2870	3630	3890	4940
		Input (KW)	1.64	1.79	2.21	2.76	3.06	3.84
	Te -30°C	Cap (W)	1330	1720	2110	2690	2910	3690
		Input (KW)	1.42	1.53	1.89	2.39	2.66	3.32
	Te -35°C	Cap (W)	920	1200	1480	1920	2130	2680
		Input (KW)	1.19	1.26	1.58	2.03	2.26	2.8
Te -40°C	Cap (W)	590	770	980	1300	1500	1880	
	Input (KW)	0.97	1.01	1.27	1.67	1.88	2.3	
Pipe	Gas In (mm)	φ 16	φ 22	φ 22	φ 22	φ 22	φ 28	
	Liquid dia. (mm)	φ 10	φ 10	φ 12	φ 12	φ 12	φ 12	
Overall Size	A (mm)	620	620	620	960	960	1060	
	B (mm)	650	650	650	680	680	680	
	C (mm)	510	560	560	460	510	620	
Installation size (A×B) (mm)		580×350	580×350	580×350	920×380	920×380	1020×380	

Model		JZBF05LY	JZBF06LY	JZBF09LY	JZBF12LY	JZBF14LY	
Comp model		4DES-5Y	4CES-6Y	4TES-9Y	4PES-12Y	4NES-14Y	
Temperature (°C)		-15°C ~30 °C					
Power supply		380V/3Ph/50 HZ					
Condenser	Fan Qty	2	2	2	2	4	
	Voltage (V)	380	380	380	380	380	
	Input (W)	180×2	180×2	250×2	250×2	180×4	
Comp Cap. & Input	Te -25°C	Cap (W)	5900	7040	8620	9500	11700
		Input (KW)	4.55	5.36	6.35	6.88	8.58
	Te -30°C	Cap (W)	4400	5220	6310	6830	8550
		Input (KW)	3.94	4.61	5.38	5.74	7.24
	Te -35°C	Cap (W)	3200	3760	4460	4710	6030
		Input (KW)	3.34	3.89	4.46	4.64	5.94
Te -40°C	Cap (W)	2250	2610	3000	3060	4060	
	Input (KW)	2.76	3.2	3.61	3.62	4.72	
Pipe	Gas In (mm)	φ 28	φ 28	φ 35	φ 35	φ 35	
	Liquid dia. (mm)	φ 12	φ 12	φ 16	φ 16	φ 22	
Overall Size	A (mm)	1060	1300	1280	1280	1280	
	B (mm)	680	750	710	710	750	
	C (mm)	720	670	910	910	1210	
Installation size (A×B) (mm)		1020×380	1260×410	1000×665	1000×665	1000×705	



4.2.1.2 Refrigerant R404A/R507A :

Model		JZBS02MY	JZBS02MY	JZBS02MY	JZBS03MY	JZBS03MY	JZBS04MY	
Comp model		2FES-2Y	2EES-2Y	2DES-2Y	2CES-3Y	4FES-3Y	4EES-4Y	
Temperature (°C)		-10°C ~5 °C						
Power supply		380V/3Ph/50 HZ						
Comp Cap. & Input	Te -5°C	Cap (W)	5640	7260	8670	10670	11600	14710
		Input (KW)	2.27	2.64	3.22	3.92	4.23	5.42
	Te -10°C	Cap (W)	4520	5830	6980	8620	9300	11800
		Input (KW)	2.13	2.45	2.98	3.65	3.96	5.06
	Te -15°C	Cap (W)	3580	4620	5550	6880	7370	9360
		Input (KW)	1.97	2.23	2.73	3.35	3.66	4.65
Cooling Water (m³/h)		1.8	2.2	2.7	3.3	3.5	4.5	
Pipe	Gas In (mm)	φ 16	φ 22	φ 22	φ 22	φ 22	φ 28	
	Liquid dia. (mm)	φ 12	φ 12	φ 12	φ 12	φ 12	φ 12	
	Water Pipe(inch)	1-1/4 "	1-1/4 "	1-1/4 "	1-1/4 "	1-1/4 "	1-1/4 "	
Overall Size	A (mm)	745	745	745	935	1085	1085	
	B (mm)	350	350	350	370	370	370	
	C (mm)	515	555	555	625	665	665	
Installation size (A×B) (mm)		510×290	510×290	510×290	600×320	710×320	710×320	

Model		JZBS05MY	JZBS06MY	JZBS09MY	JZBS12MY	JZBS14MY	
Comp model		4DES-5Y	4CES-6Y	4TES-9Y	4PES-12Y	4NES-14Y	
Temperature (°C)		-10°C ~5 °C					
Power supply		380V/3Ph/50 HZ					
Comp Cap. & Input	Te -5°C	Cap (W)	17530	21200	26900	30900	36700
		Input (KW)	6.4	7.66	9.6	10.72	12.91
	Te -10°C	Cap (W)	14070	17000	21500	24500	29200
		Input (KW)	5.97	7.14	8.83	9.85	11.93
	Te -15°C	Cap (W)	11160	13450	16890	19160	23000
		Cap (W)	5.49	6.54	7.99	8.88	10.84
Cooling Water (m³/h)		5.4	6.5	8.2	9.5	11.1	
Pipe	Gas In (mm)	φ 28	φ 28	φ 35	φ 35	φ 35	
	Liquid dia. (mm)	φ 16	φ 16	φ 16	φ 16	φ 22	
	Water Pipe(inch)	1-1/2 "	1-1/2 "	1-1/2 "	1-1/2 "	2-1/2 "	
Overall Size	A (mm)	1255	1255	1295	1295	1295	
	B (mm)	410	410	480	480	525	
	C (mm)	670	670	770	770	770	
Installation size (A×B) (mm)		800×320	800×320	850×390	850×390	850×390	



Model		JZBS18MY	JZBS23MY	JZBS28MY	JZBS34MY	JZBS44MY	
Comp model		4HE-18Y	4GE-23Y	6HE-28Y	6GE-34Y	6FE-44Y	
Temperature (°C)		-10°C ~5 °C					
Power supply		380V/3Ph/50 HZ					
Comp Cap. & Input	Te -5°C	Cap (W)	48900	56500	71800	83200	100000
		Input (KW)	17.36	20.7	25.5	30.7	36.8
	Te -10°C	Cap (W)	39500	45700	58000	67500	81100
		Input (KW)	16.08	19.13	23.6	28.5	34.3
	Te -15°C	Cap (W)	31400	36500	46200	54200	65000
Input (KW)		14.69	17.44	21.6	26.1	31.6	
Cooling Water (m³/h)		15	17.3	20.5	25.5	30.8	
Pipe	Gas In (mm)	φ42	φ54	φ54	φ54	φ54	
	Liquid dia. (mm)	φ22	φ22	φ28	φ28	φ28	
	Water Pipe(inch)	2-1/2 "	2-1/2 "	2-1/2 "	2-1/2 "	2-1/2 "	
Overall Size	A (mm)	1295	1295	1650	1650	2095	
	B (mm)	565	565	600	600	600	
	C (mm)	840	840	830	830	830	
Installation size (A×B) (mm)		850×390	850×390	1200×390	1200×390	1200×390	

Condensing Temp. 40 °C

4.2.2 Water cooled low Temp. (Te -20~40°C) :

4.2.2.1 Refrigerant R404A/R507A

Model		JZBS03LY	JZBS03LY	JZBS04LY	JZBS05LY	JZBS06LY	JZBS09LY	
Comp model		2CES-3Y	4FES-3Y	4EES-4Y	4DES-5Y	4CES-6Y	4TES-9Y	
Temperature (°C)		-15°C ~30 °C						
Power supply		380V/3Ph/50 HZ						
Comp Cap. & Input	Te -25°C	Cap (W)	4170	4440	5640	6730	8050	9940
		Input (KW)	2.7	2.97	3.73	4.42	5.22	6.2
	Te -30°C	Cap (W)	3140	3360	4260	5080	6040	7370
		Input (KW)	2.36	2.61	3.25	3.86	4.54	5.3
	Te -35°C	Cap (W)	2280	2480	3140	3740	4420	5300
		Input (KW)	2.02	2.24	2.77	3.3	3.86	4.44
	Te -40°C	Cap (W)	1580	1780	2240	2670	3120	3660
		Input (KW)	1.69	1.89	2.31	2.76	3.21	3.63
Cooling Water (m³/h)		1.5	1.6	2.0	2.5	3.0	4.0	
Pipe	Gas In (mm)	φ22	φ22	φ28	φ28	φ28	φ35	
	Liquid dia. (mm)	φ12	φ12	φ12	φ12	φ12	φ16	
	Water Pipe(inch)	1-1/4 "	1-1/4 "	1-1/4 "	1-1/4 "	1-1/4 "	1-1/2 "	
Overall Size	A (mm)	745	745	745	935	935	1140	
	B (mm)	350	350	350	370	370	380	
	C (mm)	555	610	610	670	670	715	
Installation size (A×B) (mm)		510×290	510×290	510×290	600×320	600×320	710×320	



Model		JZBS12LY	JZBS14LY	JZBS18LY	JZBS23LY	JZBS28LY	JZBS34LY	JZBS44LY	
Comp model		4PES-12Y	4NES-14Y	4HE-18Y	4GE-23Y	6HE-28Y	6GE-34Y	6FE-44Y	
Temperature (°C)		-15°C ~30 °C							
Power supply		380V/3Ph/50 HZ							
Comp Cap. & Input	Te -25°C	Cap (W)	11060	13520	19050	22400	28000	33600	40100
		Input (KW)	6.81	8.45	11.72	13.88	17.25	21.1	25.5
	Te -30°C	Cap (W)	8090	10030	14380	17020	21200	25800	30500
		Input (KW)	5.76	7.23	10.2	12.09	14.97	18.46	22.4
	Te -35°C	Cap (W)	5710	7220	10550	12620	15570	19290	22700
		Input (KW)	4.74	6.03	8.71	10.34	12.71	15.91	19.26
	Te -40°C	Cap (W)	3830	4980	7440	9050	11000	13990	16190
		Input (KW)	3.77	4.88	7.28	8.68	10.51	13.46	16.19
Cooling Water (m³/h)		4.0	5.0	7.0	8.0	10.0	12.0	15	
Pipe	Gas In (mm)	φ35	φ35	φ42	φ54	φ54	φ54	φ54	
	Liquid dia. (mm)	φ16	φ16	φ22	φ22	φ22	φ22	φ28	
	Water Pipe(inch)	1-1/2 "	1-1/2 "	1-1/2 "	1-1/2 "	2-1/2 "	2-1/2 "	2-1/2 "	
Overall Size	A (mm)	1255	1255	1295	1295	1295	1295	1650	
	B (mm)	415	415	585	565	595	595	600	
	C (mm)	715	715	835	840	830	830	830	
Installation size (A×B) (mm)		800×320	800×320	850×390	850×390	850×390	850×390	1200×390	

Condensing Temp. 40 °C

5. Diagrams for Overall sizes

5.1 Air Cooled

JZBF02M...JZBF07M

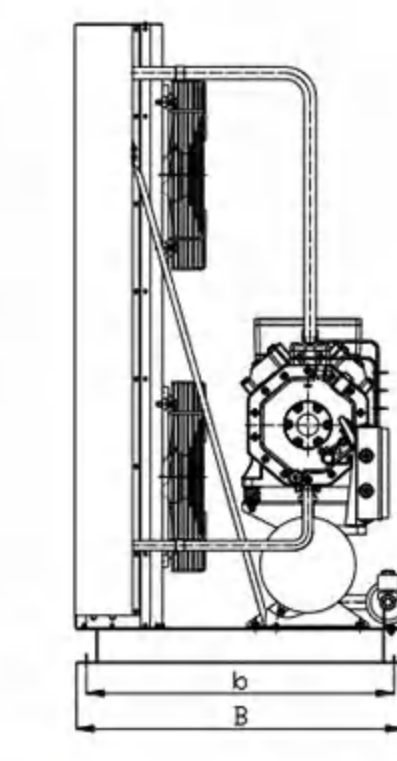
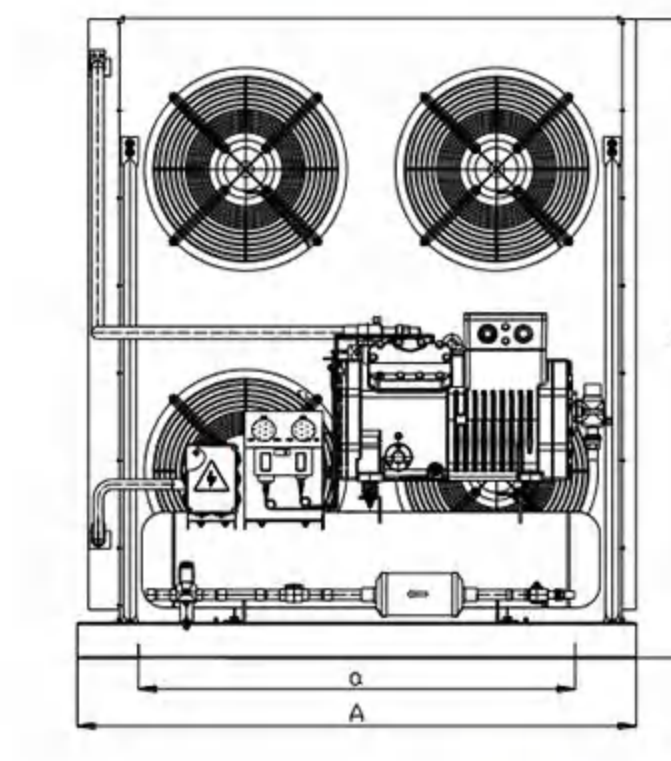
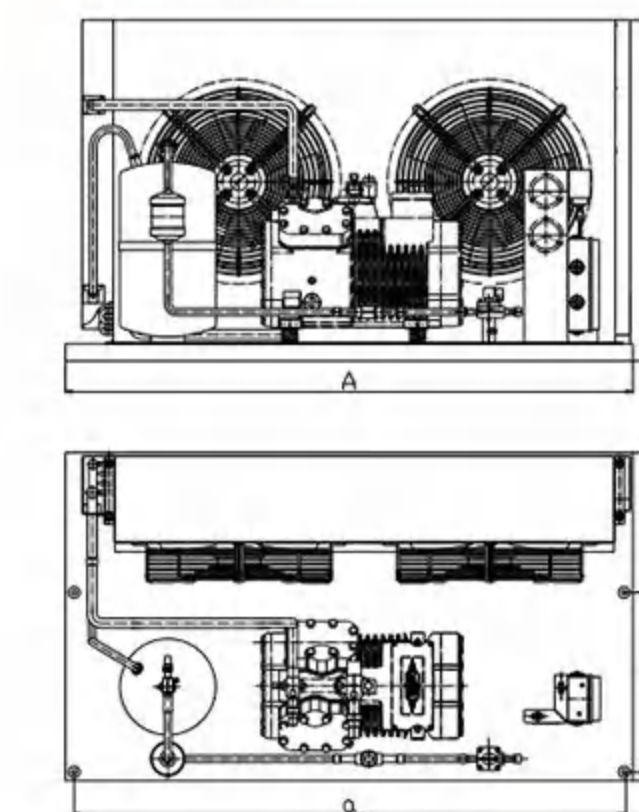
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JZBF02LY...JZBF06LY

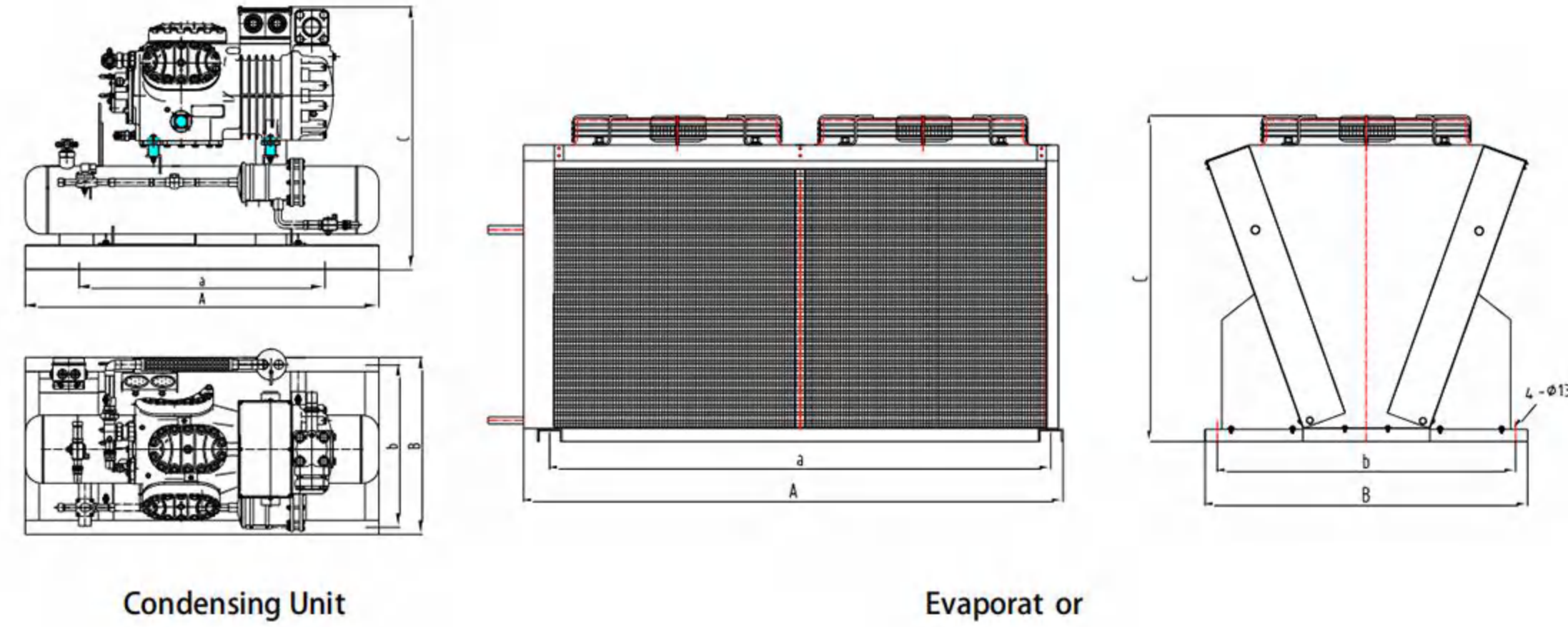
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JZBF06MY...JZBF14MY

JZBF09LY...JZBF28LY



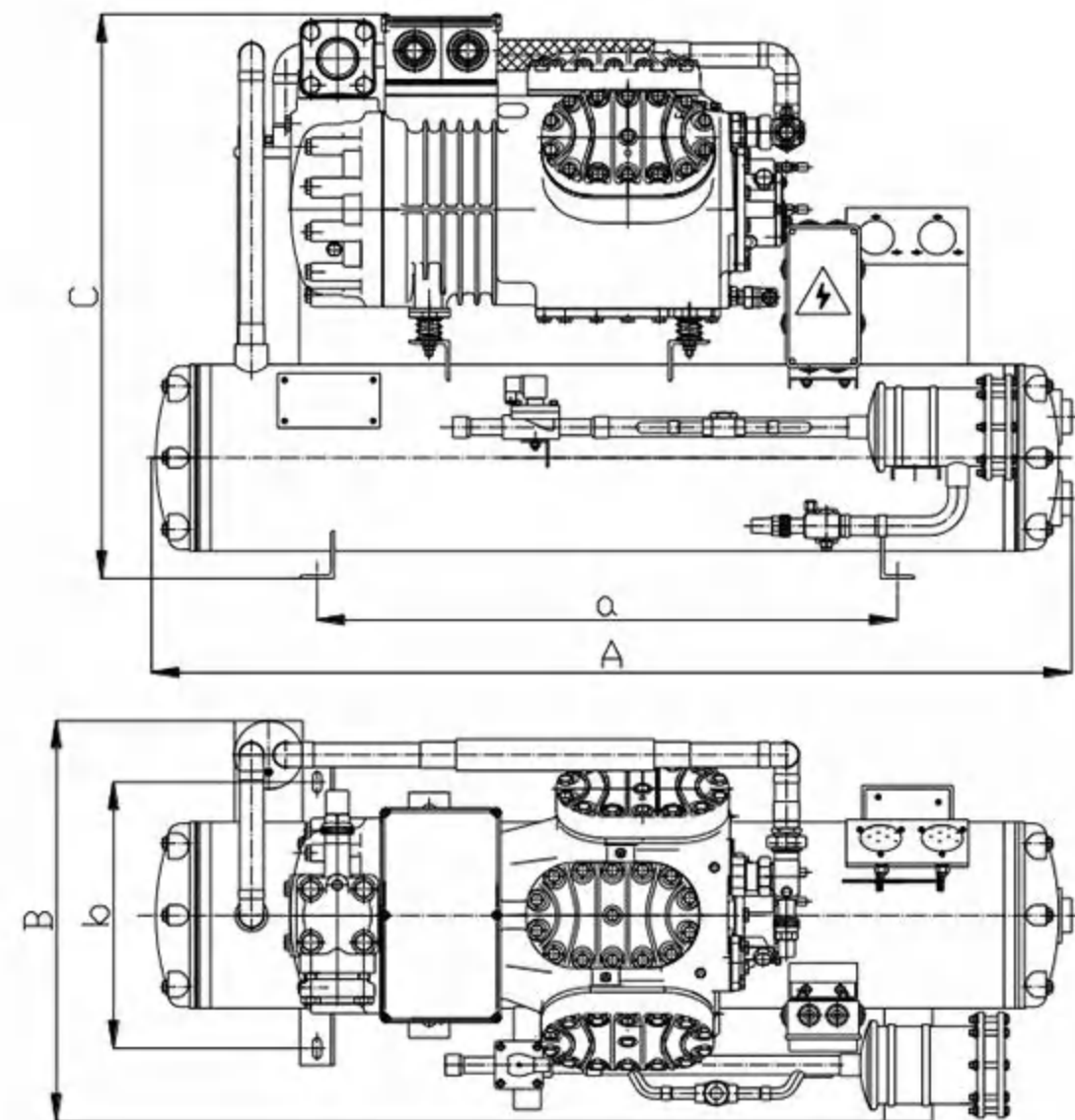
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Condensing Unit

Evaporator

5.2 Water Cooled

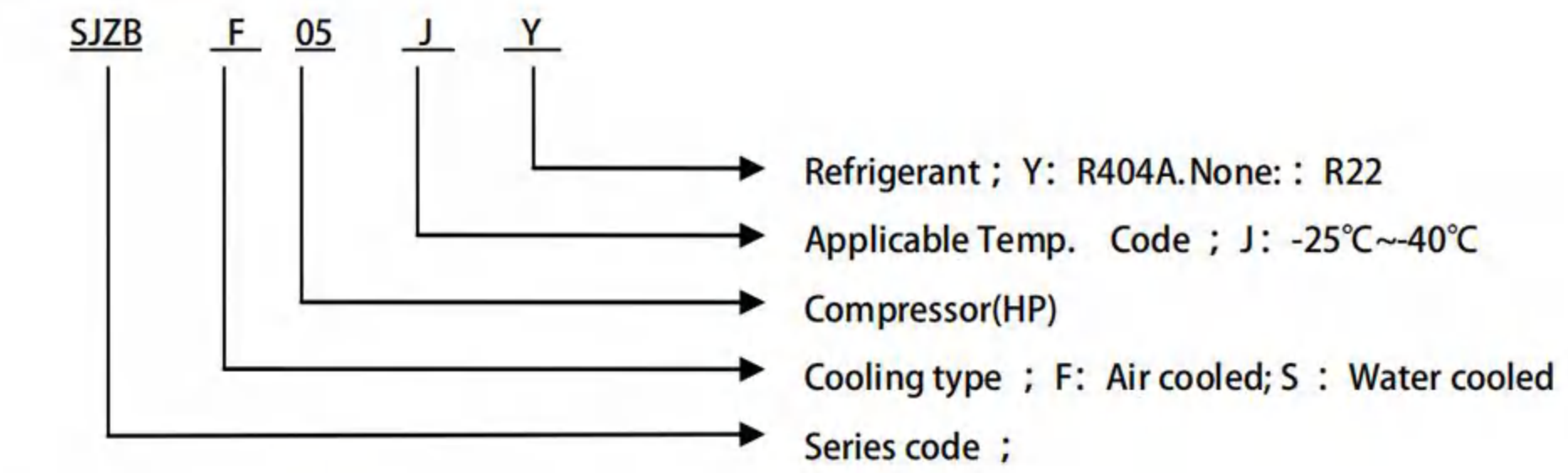


SJZB Series Semi -hermetic 2 Stage Condensing Units

1. Product description

- ◆ With Bitzer semi-hermetic, two stage compressor
- ◆ With world famous refrigerant components
- ◆ With mid stage design to greatly improve EER value.
- ◆ With lower evaporative temp. Min. evaporate temp can be -50°C when system with R22 refrigerant, Min. evaporate temp can be -65°C when system with R404A refrigerant..

2. Model code



3. Main components

- Two-stage Compressor ● Crankcase heater ● Vibration eliminator ● Oil separator ● Condenser ● Receiver (Water cooled units without receiver) ● Filter ● Sight glasses ● Solenoid valve ● Sub cooler ● Gas separator ● H&L Pressure controller ● Oil pressure difference controller ● H/L Pressure gauge ● Medium pressure gauge

4. Specifications:

4.1 2-stage air cooled condensing units

4.1.1 Refrigerant R22

Model		SJZBF05J	SJZBF08J	SJZBF12J	SJZBF16J	SJZBF20J	SJZBF25J	SJZBF30J	
Temp (°C)		-25°C~40°C							
Power		380V/3Ph/50HZ							
Compressor		S4T5.2	S4N8.2	S4G12.2	S6J16.2	S6H20.2	S6G25.2	S6F30.2	
Condenser	Fan Qty	2	2	4	4	4	4	2	
	Fan Voltage(V)	380	380	380	380	380	380	380	
	Fan Watt(W)	180×2	180×2	180×4	180×4	180×4	180×4	800×2	
Comp Cap. & Input	Te. -35°C	Cap (W)	5010	7240	10930	16320	18920	21700	26000
		Input (KW)	3.75	5.6	8.46	11.97	13.87	15.92	19.05
	Te. -40°C	Cap (W)	3950	5680	8580	12920	14980	17200	20600
		Input (KW)	3.41	5.08	7.68	10.58	12.26	14.07	16.84
	Te. -45°C	Cap (W)	3020	4310	6510	9810	11370	13060	15620
		Input (KW)	3.04	4.56	6.89	9.17	10.63	12.2	14.6
Pipe	Gas In (mm)	φ28	φ28	φ35	φ42	φ42	φ42	φ42	
	Liquid dia. (mm)	φ16	φ16	φ22	φ22	φ22	φ22	φ22	
Overall sizes	A(mm)	1085	1270	1270	1270	1340	1340	1250	
	B(mm)	930	930	1050	1050	1110	1130	730	
	C(mm)	660	810	1210	1460	1410	1410	930	
Installation size(a×b mm)		800×885	800×885	1000×1005	1000×1005	1000×1065	1000×1085	910×685	

Remark : 1) Condensing Temp. is 45°C;

2) For 30Hp condensing units, condenser is separately installed. the size of condenser is not include in above sheet.



4.1.2 Refrigerant R404A

Model		SJZBF05JY	SJZBF08JY	SJZBF12JY	SJZBF16JY	SJZBF20JY	SJZBF25JY	SJZBF30JY	
Temp (°C)		-25°C~-40°C							
Power		380V/3Ph/50HZ							
Compressor		S4T5.2Y	S4N8.2Y	S4G12.2Y	S6J16.2Y	S6H20.2Y	S6G25.2Y	S6F30.2Y	
Condenser	Fan Qty	2	2	4	4	4	4	2	
	Fan Voltage(V)	380	380	380	380	380	380	380	
	Fan Watt(W)	180×2	180×2	180×4	180×4	180×4	180×4	800×2	
Comp Cap. & Input	Te.	Cap (W)	5650	8010	12540	17480	20100	23000	27200
	-35°C	Input (KW)	4.59	6.56	9.9	13.96	16.17	18.56	22.2
	Te.	Cap (W)	4550	6460	10260	14380	16580	18920	22400
	-40°C	Input (KW)	4.17	5.95	8.96	12.56	14.55	16.7	19.98
	Te.	Cap (W)	3600	5130	8260	11640	13430	15340	18200
-45°C	Input (KW)	3.73	5.33	8	11.21	12.99	14.92	17.85	
Pipe	Gas In (mm)	φ28	φ28	φ35	φ42	φ42	φ42	φ42	
	Liquid dia. (mm)	φ16	φ16	φ22	φ22	φ22	φ22	φ22	
Overall sizes	A(mm)	1085	1270	1270	1270	1340	1340	1250	
	B(mm)	930	930	1050	1050	1110	1130	730	
	C(mm)	660	810	1210	1460	1410	1410	927	
Installation size(a×b mm)		800×885	800×885	1000×1005	1000×1005	1000×1065	1000×1085	910×685	

Remark: For 30Hp condensing units, condenser is separately installed. the size of condenser is not include in above sheet.

4.2 2-stage water cooled condensing units

4.2.1 Refrigerant R22

Model		SJZBS05J	SJZBS08J	SJZBS12J	SJZBS16J	SJZBS20J	SJZBS25J	SJZBS30J	
Temp (°C)		-25°C~-40°C							
Power		380V/50HZ							
Compressor		S4T-5.2	S4N-8.2	S4G-12.2	S6J-16.2	S6H-20.2	S6G-25.2	S6F-30.2	
Condenser	Type	Shell Tube Type							
	Cooling Water (m³/h)	2	3	4	5.6	6.6	7.5	10	
	Water Pipe	1-1/4"	1-1/2"	1-1/2"	2-1/2"	2-1/2"	2-1/2"	2-1/2"	
Comp Cap. & Input	Te.	Cap (W)	5100	7380	11150	16490	19120	21900	26300
	-35°C	Input (KW)	3.55	5.3	8.0	11.35	13.2	15.1	18.1
	Te.	Cap (W)	4010	5810	8780	13090	15170	17420	20800
	-40°C	Input (KW)	3.23	4.81	7.26	10.1	11.67	13.4	16.0
	Te.	Cap (W)	3080	4440	6700	1000	11600	13310	15930
-45°C	Input (KW)	2.88	4.33	6.54	8.8	10.2	11.7	14.0	
Pipe	Gas In (mm)	φ28	φ28	φ35	φ42	φ42	φ42	φ42	
	Liquid dia. (mm)	φ16	φ16	φ22	φ22	φ22	φ22	φ22	
Overall sizes	A(mm)	900	1050	1260	1300	1300	1300	1300	
	B(mm)	650	650	720	720	720	720	720	
	C(mm)	795	855	950	990	990	990	990	
Installation size(a×b mm)		500×605	650×605	800×675	880×675	880×675	880×675	880×675	

Condensin g Temp. is 45 °C;



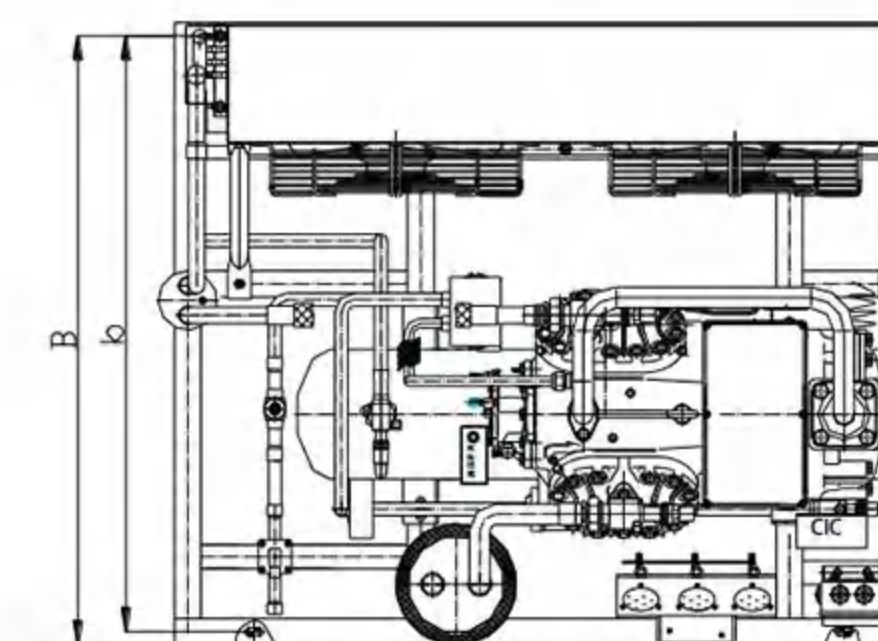
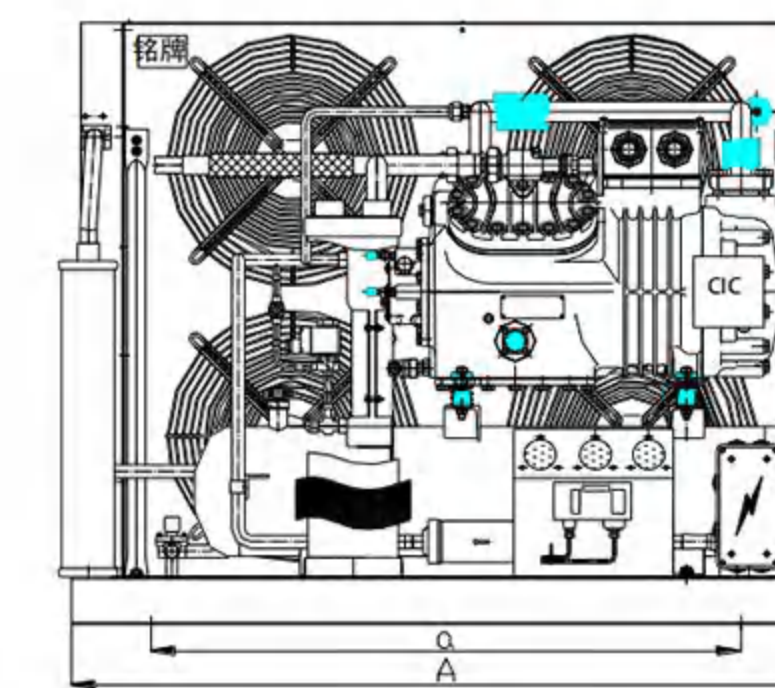
4.2.2 Refrigerant R404A/R507A

Model		SJZBS05JY	SJZBS08JY	SJZBS12JY	SJZBS16JY	SJZBS20JY	SJZBS25JY	SJZBS30JY	
Temp (°C)		-25°C~-40°C							
Power		380V/50HZ							
Compressor		S4T-5.2Y	S4N-8.2Y	S4G-12.2Y	S6J-16.2Y	S6H-20.2Y	S6G-25.2Y	S6F-30.2Y	
Condenser	Type	High Efficient Pipe and Shell							
	Cooling Water (m³/h)	2	3	4	5.6	6.6	7.5	10	
	Water Pipe	1-1/4"	1-1/2"	1-1/2"	2-1/2"	2-1/2"	2-1/2"	2-1/2"	
Comp Cap. & Input	Te.	Cap (W)	5800	8220	12930	17990	20800	23700	28100
	-35°C	Input (KW)	4.36	6.22	9.37	13.21	15.32	17.59	21
	Te.	Cap (W)	4670	6640	10580	14810	17090	19520	23100
	-40°C	Input (KW)	3.96	5.65	8.49	11.9	13.79	15.85	18.96
	Te.	Cap (W)	3710	5290	8520	12000	13850	15830	18790
-45°C	Input (KW)	3.55	5.07	7.6	10.63	12.32	14.16	16.95	
Pipe	Gas In (mm)	φ28	φ28	φ35	φ42	φ42	φ42	φ42	
	Liquid dia. (mm)	φ16	φ16	φ22	φ22	φ22	φ22	φ22	
Overall sizes	A(mm)	900	1050	1260	1300	1300	1300	1300	
	B(mm)	650	650	720	720	720	720	720	
	C(mm)	795	855	950	990	990	990	990	
Installation size(a×b mm)		500×605	650×605	800×675	880×675	880×675	880×675	880×675	

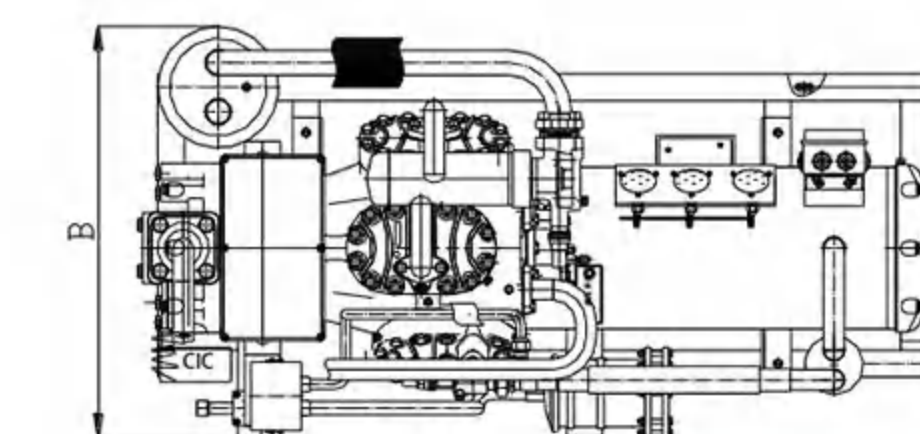
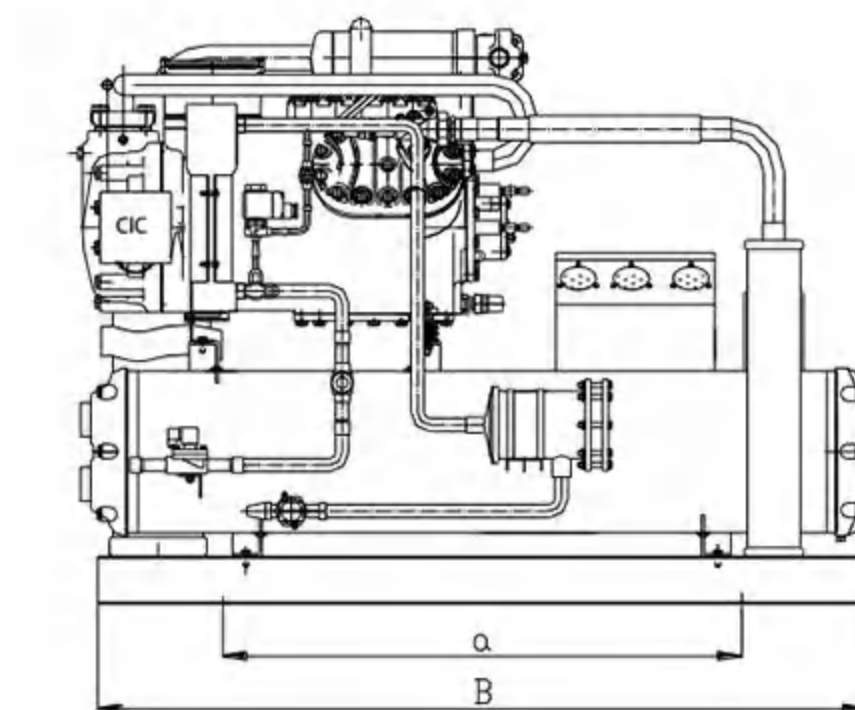
Condensing Temp. is 40 °C;

5. Diagrams for Overall sizes

Air Cooled Condensing Units



Water Cooled Condensing Units



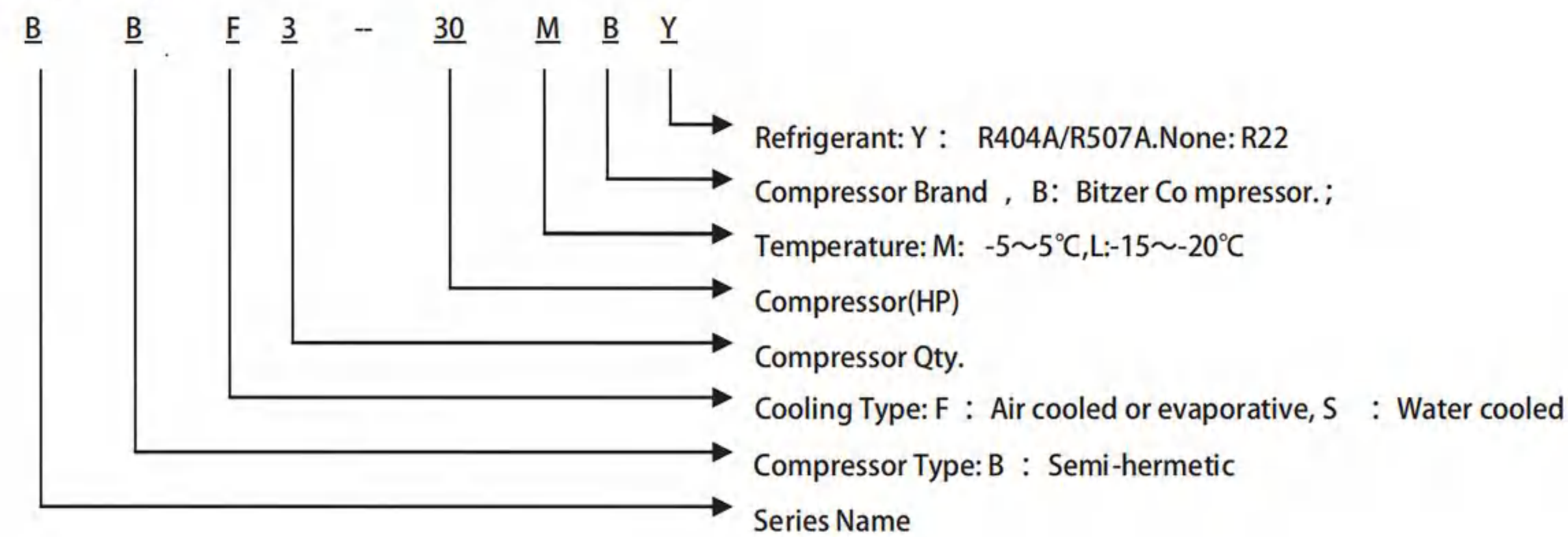


BBF (S) Series Semi-hermetic Compressor racks

1. Product description

- ◆ With Bitzer ECOLINE series semi-hermetic compressor
- ◆ Multi compressors were parallel connected to provide bigger capacity sharing same discharge pipe, suction pipe, condenser, liquid receiver etc.
- ◆ Compact design for easy installation and small installation size.
- ◆ Multi stage energy adjustments according to cooling capacity to save operation cost.

2. Model code



3. Main components

- Compressor
- Crankcase heater
- vibration eliminator
- Oil separator
- Oil balance system
- Oil filter
- Receiver
- Drier & Filter
- Sight glasses
- Gas separator
- Suction filter
- Pressure controller
- Pressure gauge
- Oil protector (with oil pump)
- Cylinder fan (Low temp. Unit)
- Electric control

Air-cooling Condenser or evaporating. Condenser is optional!

For water cooled unit :

- Compressor
- Crankcase heater
- vibration eliminator
- Oil separator
- Oil balance system
- Oil filter
- Water condenser
- Drier & Filter
- Sight glasses
- Gas separator
- Pressure controller
- Pressure gauge
- Oil protector (with oil pump)
- Cylinder fan (Low temp. Unit)
- Electric control

Remark :

The compressor rack controller is employed as standard components. PLC controller is optional.

4. Specifications:

4.1 Air cooled Rack

4.1.1 Medium Temp. (Te. -5~-20°C):

4.1.1.1 Refrigerant R22 :

4.1.1.1.1 Two compressors system

Model		BBF2—								
		20MB	30MB	40MB	50MB	60MB	70MB	80MB	100MB	
Temperature(°C)		-5°C~5°C								
Refrigerant		R22								
Power supply		380V/50HZ								
Comp.	Type	Semi-hermetic								
	Comp. Model	4VES-10	4PES-15	4NES-20	4HE-25	4GE-30	6HE-35	6GE-40	6FE-50	
Cap & Watt	Qty	2	2	2	2	2	2	2	2	
	Te -5°C	Cap (W)	41600	57600	68000	90800	105200	136000	156200	188200
		Input (KW)	14.42	20.1	23.62	31.72	36.56	47.8	54.8	66.6
	Te -10°C	Cap (W)	33300	46000	54400	72800	84800	109400	125400	151400
		Input (KW)	13.3	18.46	21.76	29.32	33.86	44.2	50.6	61.8
	Te -15°C	Cap (W)	26160	35980	42800	57600	67200	86400	99200	120000
Input (KW)		12.04	16.64	19.72	26.66	30.88	40.0	46.2	56.4	
Connector	Gas In(mm)	φ42	φ54	φ54	φ66	φ66	φ76	φ76	φ76	
	Liquid outlet Connect(mm)	φ22	φ22	φ28	φ28	φ28	φ35	φ35	φ35	
	Gas Connect(mm)	φ35	φ35	φ35	φ42	φ42	φ54	φ54	φ54	
	Liquid inlet Connect (mm)	φ28	φ28	φ28	φ35	φ35	φ42	φ42	φ42	
Overall Size	L(mm)	2550	2550	2550	2550	2550	2550	2550	2550	
	W(mm)	1200	1200	1200	1200	1200	1200	1200	1200	
	H(mm)	1850	1850	1850	1850	1850	1850	1850	1850	

Above cooling capacity and input power under condition of condensing Temp. 45 °C

4.1.1.1.2 Medium Temp. type air cooled 3 compressor racks

Model		BBF3—								
		30MB	45MB	60MB	75MB	90MB	105MB	120MB	150MB	
Temperature(°C)		-5°C~5°C								
Refrigerant		R22								
Power supply		380V/50HZ								
Comp.	Type	Semi-hermetic								
	Comp. Model	4VES-10	4PES-15	4NES-20	4HE-25	4GE-30	6HE-35	6GE-40	6FE-50	
Cap & Watt	Qty	3	3	3	3	3	3	3	3	
	Te -5°C	Cap (W)	62400	86400	102000	136200	157800	204000	234300	282300
		Input (KW)	21.63	30.2	35.43	47.58	54.84	71.7	82.2	99.9
	Te -10°C	Cap (W)	49950	69000	81600	109200	127200	164100	188100	227100
		Input (KW)	19.95	27.69	32.64	43.98	50.79	66.3	75.9	92.7
	Te -15°C	Cap (W)	39240	53970	64200	86400	100800	129600	148800	180000
Input (KW)		18.06	24.96	29.58	39.99	46.32	60.0	69.3	84.6	
Connector	Gas In (mm)	φ54	φ66	φ66	φ76	φ76	φ108	φ108	φ108	
	Liquid outlet Connect(mm)	φ22	φ28	φ28	φ35	φ35	φ42	φ42	φ42	
	Gas Connect (mm)	φ35	φ42	φ42	φ54	φ54	φ66	φ66	φ66	
	Liquid inlet Connect(mm)	φ28	φ35	φ35	φ42	φ42	φ54	φ54	φ54	
Overall Size	L(mm)	3150	3150	3150	3150	3150	3150	3150	3150	
	W(mm)	1000	1000	1000	1000	1000	1000	1000	1000	
	H(mm)	1850	1850	1850	1850	1850	1850	2000	2000	

Above cooling capacity and input power under condition of condensing Temp. 45 °C



4.1.1.1.3 Medium Temp. type air cooled 4 compressor racks

Model		BBF4—								
		40MB	60MB	80MB	100MB	120MB	140MB	160MB	200MB	
Temperature(°C)		-5°C~5°C								
Refrigerant		R22								
Power supply		380V/50HZ								
Compressor	Type	Semi-hermetic								
	Comp. Model	4VES-10	4PES-15	4NES-20	4HE-25	4GE-30	6HE-35	6GE-40	6FE-50	
	Qty	4	4	4	4	4	4	4	4	
Cap & Watt	Te -5°C	Cap (W)	83200	115200	136000	181600	210400	272000	312400	376400
		Input (KW)	28.84	40.2	47.24	63.44	73.12	95.6	109.6	133.2
	Te -10°C	Cap (W)	66600	92000	108800	145600	169600	218800	250800	302800
		Input (KW)	26.6	36.92	43.52	58.64	67.72	88.4	101.2	123.6
	Te -15°C	Cap (W)	52320	71960	85600	115200	134400	172800	198400	240000
		Input (KW)	24.08	33.28	39.44	53.32	61.76	80.0	92.4	112.8
Connector	Gas In (mm)	φ54	φ67	φ76	φ76	φ108	φ108	φ108	φ133	
	Liquid outlet Connect(mm)	φ28	φ28	φ35	φ35	φ42	φ42	φ42	φ42	
	Gas Connect (mm)	φ42	φ54	φ54	φ54	φ66	φ66	φ66	φ79	
	Liquid inlet Connect (mm)	φ35	φ35	φ42	φ42	φ54	φ54	φ54	φ54	
Overall Size	L(mm)	3300	3300	3800	3800	3800	3800	3800	3800	
	W(mm)	1000	1000	1000	1000	1000	1000	1000	1000	
	H(mm)	1850	1850	1850	1850	2000	2000	2000	2000	

Above cooling capacity and input power under condition of condensing Temp. 45 °C

4.1.1.2 Refrigerant R404A/R507A

4.1.1.2.1 Medium Temp. air cooled 2 compressor racks :

Model		BBF2—								
		18MBY	24MBY	28MBY	36MBY	46MBY	56MBY	68MBY	88MBY	
Temperature(°C)		-5°C~5°C								
Refrigerant		R404A/R507A								
Power supply		380V/50HZ								
Comp.	Type	Semi-hermetic								
	Comp. Model	4TES-9Y	4PES-12Y	4NES-14Y	4HE-18Y	4GE-23Y	6HE-28Y	6GE-34Y	6FE-44Y	
	Qty	2	2	2	2	2	2	2	2	
Cap & Watt	Te -5°C	Cap (W)	48400	55200	65800	88400	102000	129800	150400	180600
		Input (KW)	20.36	22.58	27.26	36.78	44.0	54.0	65.4	77.8
	Te -10°C	Cap (W)	38320	43600	52200	70800	82200	104200	121600	145800
		Input (KW)	18.56	20.54	24.96	33.78	40.2	49.8	60.2	72.0
	Te -15°C	Cap (W)	29920	33700	40600	56000	65200	82400	97200	116400
		Input (KW)	16.64	18.34	22.46	30.6	36.42	45.2	54.8	65.8
Connector	Gas In (mm)	φ42	φ54	φ54	φ66	φ66	φ76	φ76	φ76	
	Liquid outlet Connect(mm)	φ22	φ22	φ28	φ28	φ28	φ35	φ35	φ35	
	Gas Connect (mm)	φ35	φ35	φ35	φ42	φ42	φ54	φ54	φ54	
	Liquid inlet Connect (mm)	φ28	φ28	φ28	φ35	φ35	φ42	φ42	φ42	
Overall Size	L(mm)	2550	2550	2550	2550	2550	2550	2550	2550	
	W(mm)	1200	1200	1200	1200	1200	1200	1200	1200	
	H(mm)	1850	1850	1850	1850	1850	1850	1850	1850	

Above cooling capacity and input power under condition of condensing Temp. 45 °C;



4.1.1.2.2 Medium Temp. air cooled 3 compressor racks :

Model		BBF3—								
		27MBY	36MBY	42MBY	54MBY	69MBY	84MBY	102MBY	132MBY	
Temperature(°C)		-5°C~5°C								
Refrigerant		R404A/R507A								
Power supply		380V/50HZ								
Comp.	Type	Semi-hermetic								
	Comp. Model	4TES-9Y	4PES-12Y	4NES-14Y	4HE-18Y	4GE-23Y	6HE-28Y	6GE-34Y	6FE-44Y	
	Qty	3	3	3	3	3	3	3	3	
Cap & Watt	Te -5°C	Cap (W)	72600	82800	98700	132600	153000	194700	225600	270900
		Input (KW)	30.54	33.87	40.89	55.17	66.0	81.0	98.1	116.7
	Te -10°C	Cap (W)	57480	65400	78300	106200	123300	156300	182400	218700
		Input (KW)	27.84	30.81	37.44	50.67	60.3	74.7	90.3	108.0
	Te -15°C	Cap (W)	44880	50550	60900	84000	97800	123600	145800	174600
		Input (KW)	24.96	27.51	33.69	45.9	54.63	67.8	82.2	98.7
Connector	Gas In (mm)	φ54	φ66	φ66	φ76	φ76	φ108	φ108	φ108	
	Liquid outlet Connect(mm)	φ22	φ28	φ28	φ35	φ35	φ42	φ42	φ42	
	Gas Connect (mm)	φ35	φ42	φ42	φ54	φ54	φ66	φ66	φ66	
	Liquid inlet Connect (mm)	φ28	φ35	φ35	φ42	φ42	φ54	φ54	φ54	
Overall Size	L(mm)	2750	2750	2750	2850	2850	3150	3150	3150	
	W(mm)	1120	1120	1120	1120	1120	1120	1120	1120	
	H(mm)	1700	1700	1700	1800	1800	1800	1800	1800	

Above cooling capacity and input power under condition of condensing Temp. 45 °C

4.1.1.2.3 Medium Temp. air cooled 4 compressor racks :

Model		BBF4—								
		36MBY	48MBY	56MBY	72MBY	92MBY	112MBY	136MBY	176MBY	
Temperature(°C)		-5°C~5°C								
Refrigerant		R404A/R507A								
Power supply		380V/50HZ								
Comp.	Type	Semi-hermetic								
	Comp. Model	4TES-9Y	4PES-12Y	4NES-14Y	4HE-18Y	4GE-23Y	6HE-28Y	6GE-34Y	6FE-44Y	
	Qty	4	4	4	4	4	4	4	4	
Cap & Watt	Te -5°C	Cap (W)	96800	110400	131600	176800	204000	259600	300800	361200
		Input (KW)	40.72	45.16	54.52	73.56	88.0	108.0	130.8	155.6
	Te -10°C	Cap (W)	76640	87200	104400	141600	164400	208400	243200	291600
		Input (KW)	37.12	41.08	49.92	67.56	80.4	99.6	120.4	144.0
	Te -15°C	Cap (W)	59840	67400	81200	112000	130400	164800	194400	232800
		Input (KW)	33.28	36.68	44.92	61.2	72.84	90.4	109.6	131.6
Connector	Gas In (mm)	φ54	φ67	φ76	φ76	φ108	φ108	φ108	φ133	
	Liquid outlet Connect(mm)	φ28	φ28	φ35	φ35	φ42	φ42	φ42	φ42	
	Gas Connect (mm)	φ42	φ54	φ54	φ54	φ66	φ66	φ66	φ79	
	Liquid inlet Connect (mm)	φ35	φ35	φ42	φ42	φ54	φ54	φ54	φ54	
Overall Size	L(mm)	3300	3300	3300	3500	3800	3800	3800	3800	
	W(mm)	1120	1120	1120	1120	1120	1120	1120	1120	
	H(mm)	1700	1700	1700	1800	1800	1800	1800	1800	

Above cooling capacity and input power under condition of condensing Temp. 45 °C;



4.1.2 Low Temp (Te -20~-40°C.Refrigerant R404A/R507A) :

4.1.2.1 Air cool ed 2 compressor racks

Model		BBF2—							
		18LBY	28LBY	36LBY	46LBY	56LBY	68LBY	88LBY	
Temperature(°C)		-15°C~30°C							
Refrigerant		R404A/R507A							
Power supply		380V/50HZ							
Comp.	Type	Semi-hermetic							
	Comp. Model	4TES-9Y	4NES-14Y	4HE-18Y	4GE -23Y	6HE-28Y	6GE -34Y	6FE-44Y	
Qty		2	2	2	2	2	2	2	
Cap & Watt	Te -25°C	Cap (W)	17240	23400	33380	39340	49200	59400	70600
		Input (KW)	12.7	17.2	24.0	28.5	35.38	43.6	52.4
	Te -30°C	Cap (W)	12600	17100	24900	29640	36680	45200	53200
		Input (KW)	10.8	14.5	20.7	24.7	30.4	37.9	45.4
	Te -35°C	Cap (W)	8920	12060	18000	21740	26520	33360	38920
		Input (KW)	8.9	11.9	17.5	20.9	25.5	32.4	38.7
Te -40°C	Cap (W)	6000	8120	12440	15380	18340	23820	27220	
	Input (KW)	7.2	9.4	14.5	17.4	20.8	27.1	32.1	
Connector	Gas In (mm)	φ54	φ54	φ54	φ66	φ66	φ76	φ76	
	Liquid outlet Connect(mm)	φ22	φ22	φ22	φ22	φ28	φ28	φ28	
	Gas Connect (mm)	φ35	φ35	φ35	φ42	φ42	φ54	φ54	
	Liquid inlet Connect (mm)	φ28	φ28	φ28	φ28	φ35	φ35	φ35	
Overall Size	L(mm)	2100	2100	2100	2200	2400	2400	2400	
	W(mm)	1120	1120	1120	1120	1120	1120	1120	
	H(mm)	1700	1700	1700	1700	1700	1700	1700	

Above cooling capacity and input power under condition of condensing Temp. 45 °C

4.1.2.2 Air cooled Low Temp 3 compressor racks

Model		BBF3—							
		27LBY	42LBY	54LBY	69LBY	84LBY	102LBY	132LBY	
Temperature(°C)		-15°C~30°C							
Refrigerant		R404A/R507A							
Power supply		380V/50HZ							
Comp.	Type	Semi-hermetic							
	Comp. Model	4TES-9Y	4NES-14Y	4HE-18Y	4GE -23Y	6HE-28Y	6GE -34Y	6FE-44Y	
Qty		3	3	3	3	3	3	3	
Cap & Watt	Te -25°C	Cap (W)	25860	35100	50070	59000	73800	89100	105900
		Input (KW)	19.1	25.7	36.0	42.8	53.07	65.4	78.6
	Te -30°C	Cap (W)	18930	25650	37350	44460	55020	67800	79800
		Input (KW)	16.1	21.7	31.1	37.0	45.6	56.9	68.1
	Te -35°C	Cap (W)	13380	18090	27000	32610	39780	50000	58380
		Input (KW)	13.4	17.8	26.3	31.4	38.25	48.6	58.1
Te -40°C	Cap (W)	9000	12180	18660	23070	27510	35700	40830	
	Input (KW)	10.8	14.2	21.7	26.1	31.2	40.7	48.2	
Connector	Gas In (mm)	φ54	φ54	φ66	φ76	φ76	φ108	φ108	
	Liquid outlet Connect(mm)	φ22	φ22	φ28	φ28	φ28	φ35	φ35	
	Gas Connect (mm)	φ42	φ42	φ42	φ42	φ54	φ54	φ67	
	Liquid inlet Connect (mm)	φ28	φ28	φ35	φ35	φ35	φ42	φ42	
Overall Size	L(mm)	2750	2750	2750	2850	3150	3150	3150	
	W(mm)	1120	1120	1120	1120	1120	1120	1120	
	H(mm)	1700	1700	1700	1700	1850	1850	1850	

Above cooling capacity and input power under condition of condensing Temp. 45 °C



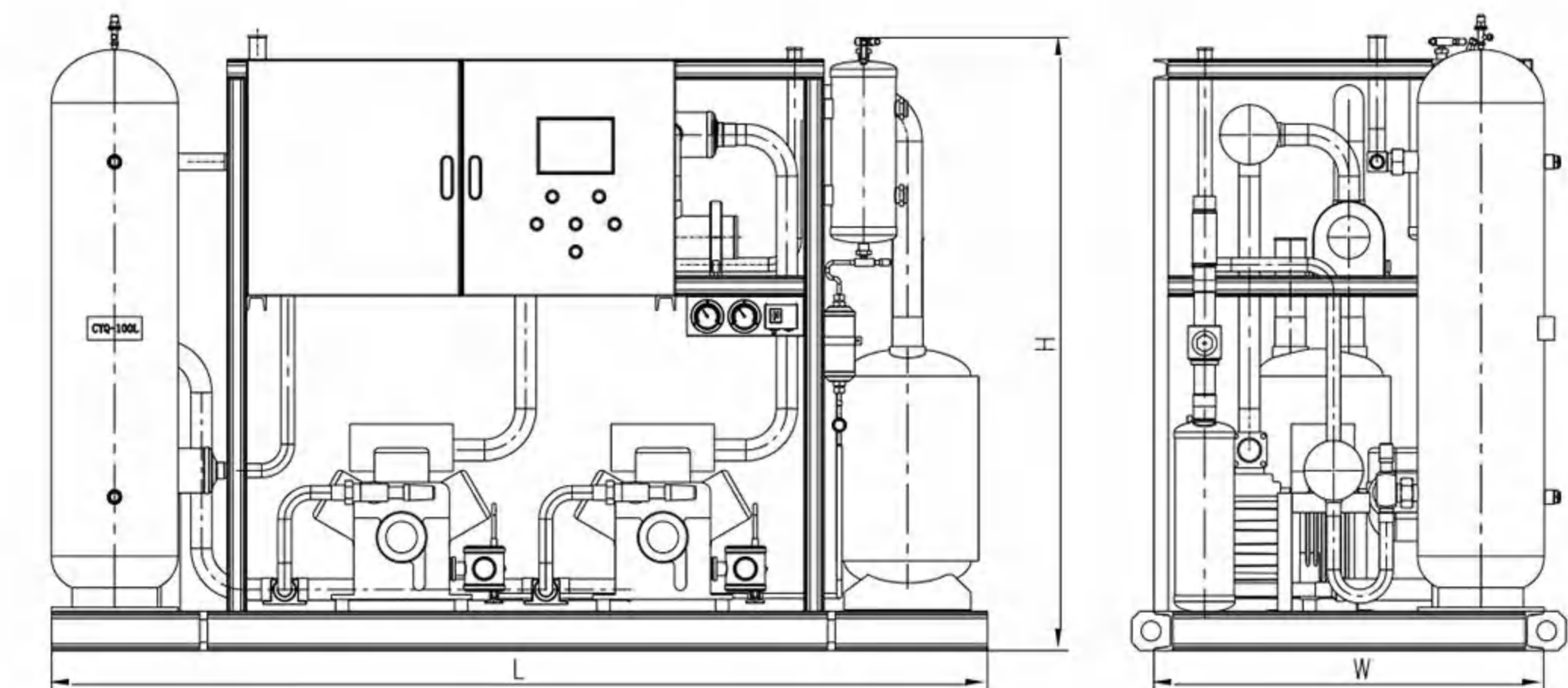
4.1.2.3 Air cooled Low Temp 4 compressor racks

Model		BBF4—							
		36LBY	56LBY	72LBY	92LBY	112LBY	136LBY	176LBY	
Temperature(°C)		-15°C~30°C							
Refrigerant		R404A/R507A							
Power supply		380V/50HZ							
Comp.	Type	Semi-hermetic							
	Comp. Model	4TES-9Y	4NES-14Y	4HE-18Y	4GE -23Y	6HE-28Y	6GE -34Y	6FE-44Y	
Qty		4	4	4	4	4	4	4	
Cap & Watt	Te -25°C	Cap (W)	34480	46800	66760	78680	98400	118800	141200
		Input (KW)	25.4	34.3	48.0	57.1	70.76	87.2	104.8
	Te -30°C	Cap (W)	25240	34200	49800	59280	73360	90400	106400
		Input (KW)	21.5	29.0	41.4	49.3	60.8	75.8	90.8
	Te -35°C	Cap (W)	17840	24120	36000	43480	53040	66720	77840
		Input (KW)	17.8	23.8	35.0	41.8	51.0	64.8	77.4
Te -40°C	Cap (W)	12000	16240	24880	30760	36680	47640	54440	
	Input (KW)	14.4	18.9	28.9	34.8	41.6	54.2	64.3	
Connector	Gas In (mm)	φ54	φ54	φ66	φ76	φ108	φ108	φ108	
	Liquid outlet Connect(mm)	φ22	φ22	φ28	φ28	φ35	φ35	φ35	
	Gas Connect (mm)	φ42	φ42	φ42	φ42	φ54	φ67	φ67	
	Liquid inlet Connect (mm)	φ28	φ28	φ35	φ35	φ42	φ42	φ42	
Overall Size	L(mm)	3150	3150	3150	3150	3150	3150	3150	
	W(mm)	1000	1000	1000	1000	1000	1000	1000	
	H(mm)	1850	1850	1850	1850	1850	1850	1850	

Above cooling capacity and input power under condition of condensing Temp. 45 °C

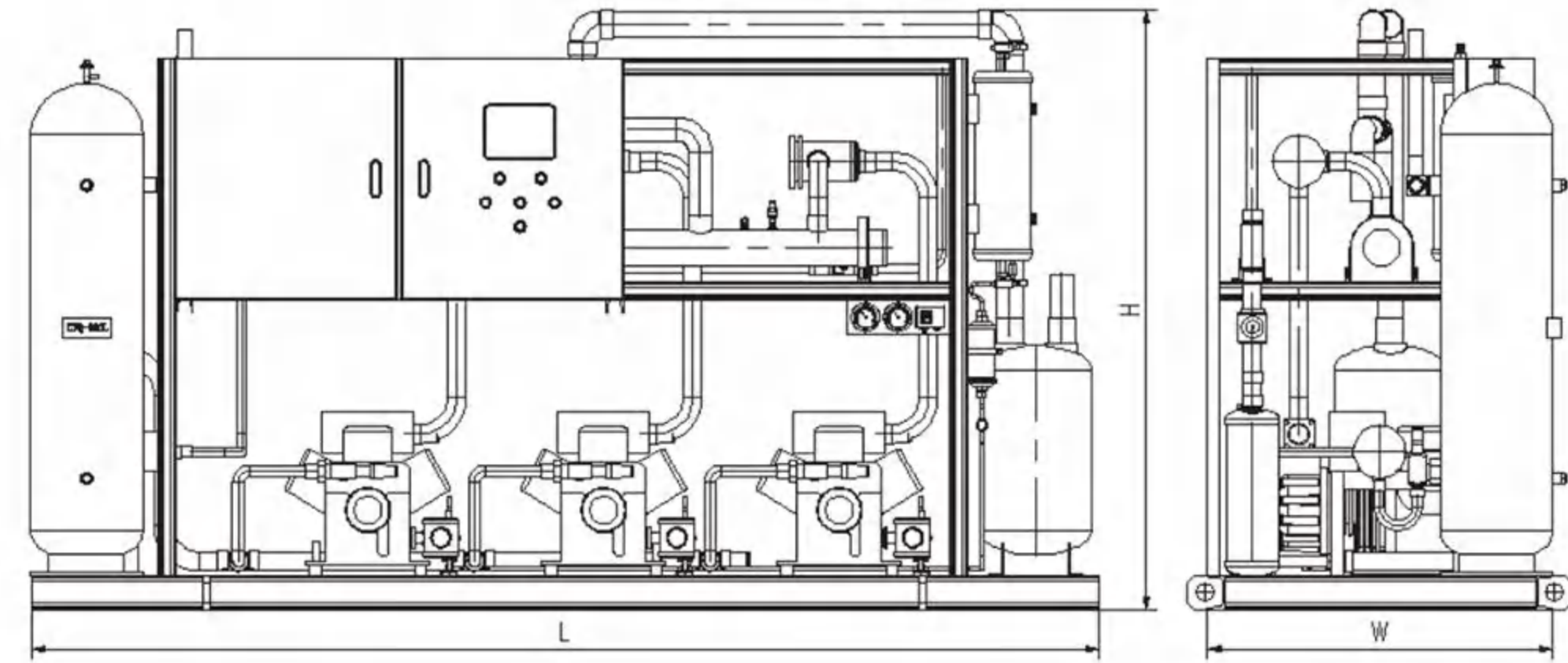
5. Diagrams for Air Cooled Rack Overall sizes

2 Compressor Rack

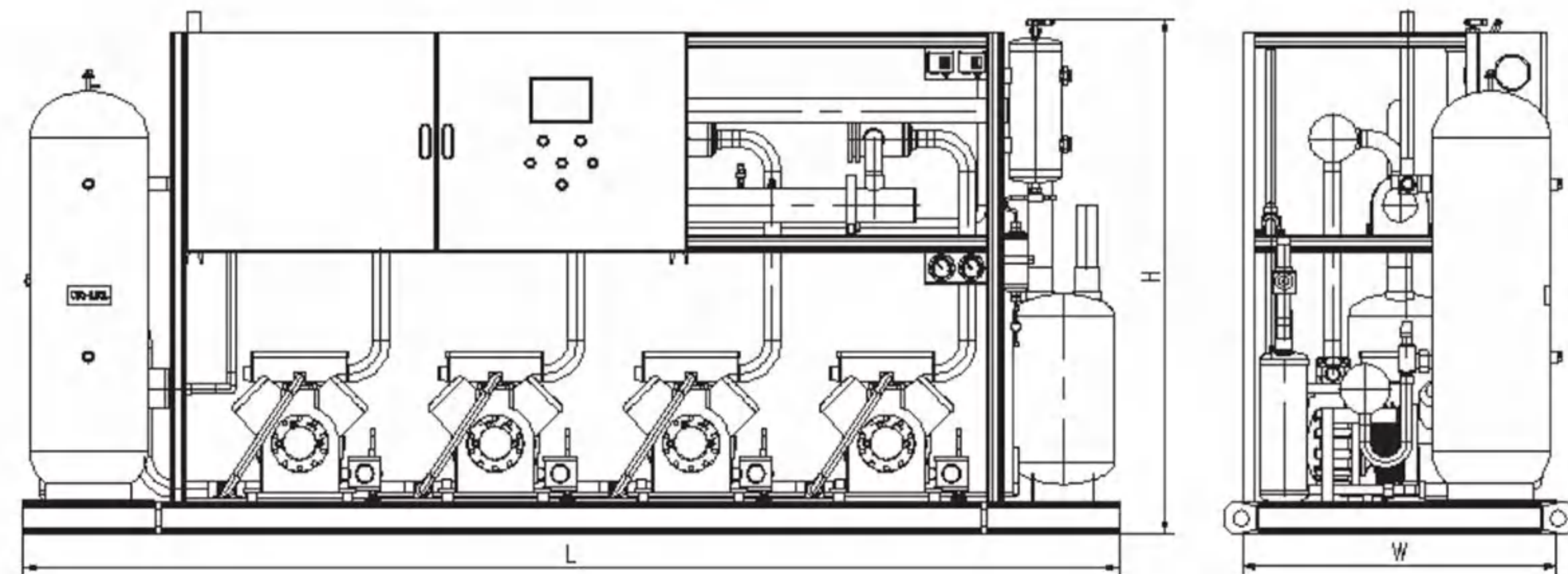




3 Compressor Rack



4 Compressor Rack



4.2 Water cooled Rack
 4.2.1 Medium Temp. (Te -5~20°C)
 4.2.1.1 Refrigerant R22
 4.2.1.1.1 Water cooled Mid Temp 2 compressor racks

Model		BBS2—								
		20MB	30MB	40MB	50MB	60MB	70MB	80MB	100MB	
Temperature(°C)		-5°C~5°C								
Refrigerant		R22								
Power supply		380V/50HZ								
Comp.	Type	Semi-hermetic								
	Comp. Model	4VES-10	4PES-15	4NES-20	4HE-25	4GE-30	6HE-35	6GE-40	6FE-50	
	Qty	2	2	2	2	2	2	2	2	
Condenser	Type	Shell & Tube								
	Cooling Water (m ³ /h)	13	18	20.6	28	32	38	48	58	
	Connector Size	2-1/2"	2-1/2"	2-1/2"	2-1/2"	3"	3"	3"	4"	
Cap. & Watt	Te -5°C	Cap (W)	44600	61800	72800	96800	112200	145400	166800	200800
		Input (KW)	13.62	18.98	22.24	29.78	34.28	44.8	51.4	62.6
	Te -10°C	Cap (W)	35860	49600	58600	78200	90800	117200	134600	162200
		Input (KW)	12.66	17.58	20.68	27.76	32.02	41.8	48.0	58.4
	Te -15°C	Cap (W)	28360	39080	46400	62200	72400	93200	107000	129200
		Input (KW)	11.56	16.0	18.9	25.46	29.42	38.24	44.0	53.8
Connector	Liquid outlet Connect(mm)	φ42	φ54	φ54	φ66	φ66	φ76	φ76	φ76	
	Gas Connect (mm)	φ22	φ22	φ28	φ28	φ28	φ35	φ35	φ35	
Overall Size	L(mm)	2300	2300	2300	2300	2300	2300	2300	2300	
	W(mm)	1250	1250	1250	1250	1250	1250	1250	1250	
	H(mm)	1850	1850	1850	1850	1850	1850	1850	1850	

Above cooling capacity and input power under condition of condensing Temp. 40 °C

4.2.1.1.2 Water cooled Mid Temp 3 compressor racks

Model		BBS3—								
		30MB	45MB	60MB	75MB	90MB	105MB	120MB	150MB	
Temperature(°C)		-5°C~5°C								
Refrigerant		R22								
Power supply		380V/50HZ								
Comp.	Type	Semi-hermetic								
	Comp. Model	4VES-10	4PES-15	4NES-20	4HE-25	4GE-30	6HE-35	6GE-40	6FE-50	
	Qty	3	3	3	3	3	3	3	3	
Condenser	Type	Shell & Tube								
	Cooling Water (m ³ /h)	20	26	31	42	50	57	71	86	
	Connector Size	2-1/2"	2-1/2"	3"	3"	3"	4"	5"	5"	
Cap. & Watt	Te -5°C	Cap (W)	66900	92700	109200	145200	168300	218100	250200	301200
		Input (KW)	20.43	28.47	33.36	44.67	51.42	67.2	77.1	93.9
	Te -10°C	Cap (W)	53790	74400	87900	117300	136200	175800	201900	243300
		Input (KW)	18.99	26.37	31.02	41.64	48.03	62.7	72.0	87.6
	Te -15°C	Cap (W)	42540	58620	69600	93300	108600	139800	160500	193800
		Input (KW)	17.34	24.0	28.35	38.19	44.13	57.36	66.0	80.7
Connector	Liquid outlet Connect(mm)	φ54	φ66	φ66	φ76	φ76	φ108	φ108	φ108	
	Gas Connect (mm)	φ22	φ28	φ28	φ35	φ35	φ42	φ42	φ42	
Overall Size	L(mm)	2950	2950	2950	2950	2950	2950	2950	2950	
	W(mm)	1250	1250	1250	1250	1250	1250	1250	1250	
	H(mm)	1850	1850	1850	1850	1850	1850	1850	1850	

Above cooling capacity and input power under condition of condensing Temp. 40 °C



4.2.2 Water cooled Low Temp (Te-20~-40°C.Refrigerant R404A/R507A)

4.2.2.1 Water cooled Low Temp 2 compressor rack

Model		BBS2—							
		18LBY	28LBY	36LBY	46LBY	56LBY	68LBY	88LBY	
Temperature(°C)		-15°C~-30°C							
Refrigerant		R404A/R507A							
Power supply		380V/50HZ							
Comp.	Type	Semi-hermetic							
	Comp. Model	4TES-9Y	4NES-14Y	4HE-18Y	4GE-23Y	6HE-28Y	6GE-34Y	6FE-44Y	
	Qty	2	2	2	2	2	2	2	
Condenser	Liquid outlet	Shell & Tube							
	Gas Connect (mm)	7.5	10	14	16	20	25	29	
	Liquid outlet Connect(mm)	2-1/2"	2-1/2"	2-1/2"	2-1/2"	2-1/2"	2-1/2"	3"	
Cap. & Watt	Te -25°C	Cap (W)	19880	27000	38100	44800	56000	67200	80200
		Input (KW)	12.4	16.9	23.4	27.8	34.5	42.2	51.0
	Te -30°C	Cap (W)	14740	20000	28760	34000	42400	51600	61000
		Input (KW)	10.6	14.5	20.4	24.2	29.94	36.9	44.8
	Te -35°C	Cap (W)	10600	14400	21100	25240	31140	38580	45400
		Input (KW)	8.9	12.0	17.4	20.7	25.42	31.8	38.5
Te -40°C	Cap (W)	7320	9960	14880	18100	22000	28000	32380	
	Input (KW)	7.3	9.8	14.6	17.4	21.02	26.9	32.4	
Conn	Liquid outlet Connect(mm)	φ54	φ54	φ54	φ66	φ66	φ76	φ76	
	Gas Connect (mm)	φ22	φ22	φ22	φ28	φ28	φ28	φ28	
Overall Size	L(mm)	2300	2300	2300	2300	2300	2300	2300	
	W(mm)	1250	1250	1250	1250	1250	1250	1250	
	H(mm)	1850	1850	1850	1850	1850	1850	1850	

Above cooling capacity and input power under condition of condensing Temp. 40 °C

4.2.2.2 Water cooled Low Temp 3 compressor rack

Model		BBS3—							
		27LB	42LB	54LB	69LB	84LB	102LB	132LB	
Temperature(°C)		-15°C~-30°C							
Refrigerant		R404A/R507A							
Power supply		380V/50HZ							
Comp.	Type	Semi-hermetic							
	Comp. Model	4TES-9Y	4NES-14Y	4HE-18Y	4GE-23Y	6HE-28Y	6GE-34Y	6FE-44Y	
	Qty	3	3	3	3	3	3	3	
Condenser	Liquid outlet Connect(mm)	Shell & Tube							
	Gas Connect (mm)	11	15	21	24	29	36	43.5	
	Liquid outlet Connect(mm)	2-1/2"	2-1/2"	2-1/2"	2-1/2"	3"	3"	3"	
Cap. & Watt	Te -25°C	Cap (W)	29800	40560	57150	67200	84000	100800	120300
		Input (KW)	18.6	25.4	35.2	41.6	51.75	63.3	76.5
	Te -30°C	Cap (W)	22100	30000	43140	51000	63600	77400	91500
		Input (KW)	15.9	21.7	30.6	36.3	44.91	55.4	67.2
	Te -35°C	Cap (W)	15900	21660	31650	37860	46710	57870	68100
		Input (KW)	13.3	18.1	26.1	31.0	38.13	47.7	57.8
Te -40°C	Cap (W)	11000	14940	22300	27150	33000	41970	48570	
	Input (KW)	10.89	14.6	21.8	26.0	31.53	40.4	48.6	
Conn	Liquid outlet Connect(mm)	φ54	φ54	φ66	φ76	φ76	φ108	φ108	
	Gas Connect (mm)	φ22	φ22	φ28	φ28	φ28	φ35	φ35	
Overall Size	L(mm)	2950	2950	2950	2950	2950	2950	2950	
	W(mm)	1250	1250	1250	1250	1250	1250	1250	
	H(mm)	1850	1850	1850	1850	1850	1850	1850	

Above cooling capacity and input power under condition of condensing Temp. 40 °C



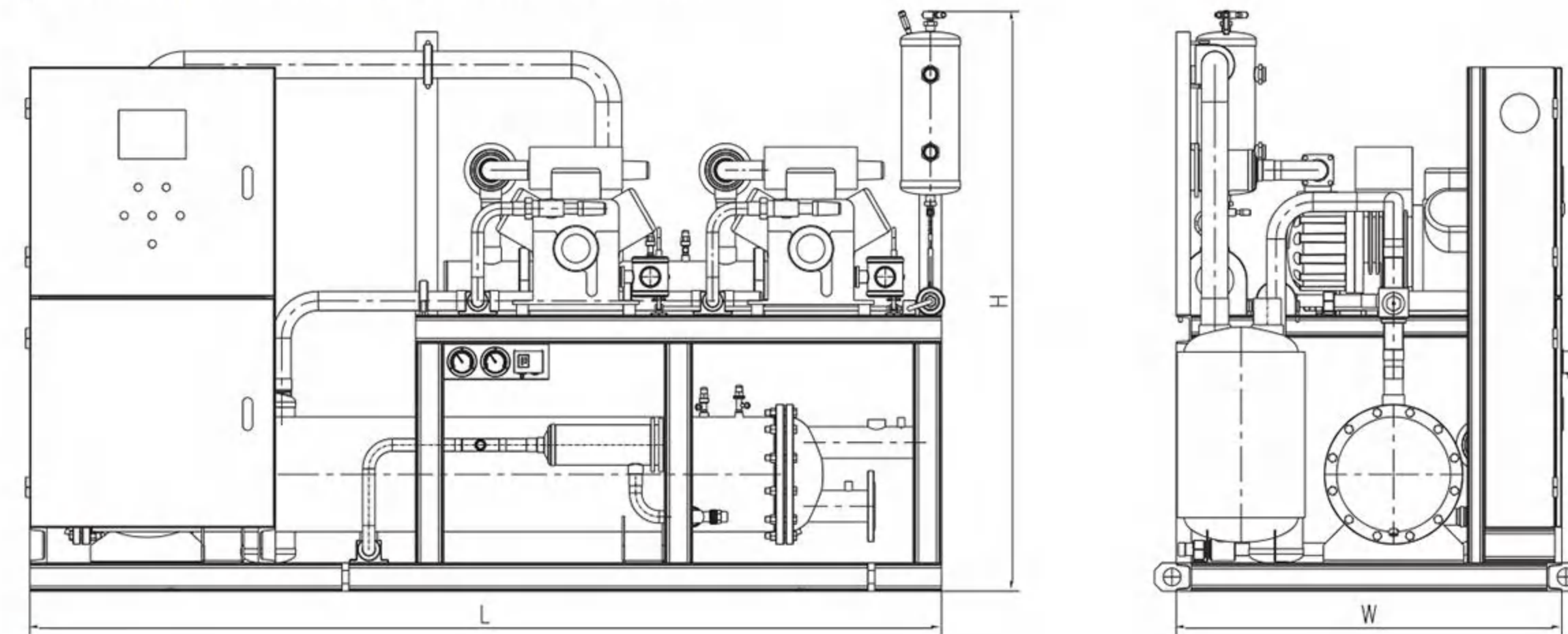
4.2.2.3 Water cooled Low Temp 4 compressor rack

Model		BBS4—							
		36LBY	56LBY	72LBY	92LBY	112LBY	136LBY	176LBY	
Temperature(°C)		-15°C~-30°C							
Refrigerant		R404A/R507A							
Power supply		380V/50HZ							
Comp.	Type	Semi-hermetic							
	Comp. Model	4TES-9Y	4NES-14Y	4HE-18Y	4GE-23Y	6HE-28Y	6GE-34Y	6FE-44Y	
	Qty	4	4	4	4	4	4	4	
Condenser	Liquid outlet Connect(mm)	Shell & Tube							
	Gas Connect (mm)	15	20	28	32	40	48	58	
	Liquid outlet Connect(mm)	2-1/2"	2-1/2"	3"	3"	3"	4"	4"	
Cap. & Watt	Te -25°C	Cap (W)	39760	54000	76200	89600	112000	134400	160400
		Input (KW)	24.8	33.8	46.9	55.5	69.0	84.4	102.0
	Te -30°C	Cap (W)	29480	40000	57520	68000	84800	103200	122000
		Input (KW)	21.2	28.9	40.8	48.4	59.88	73.8	89.6
	Te -35°C	Cap (W)	21200	28880	42200	50480	62280	77160	90800
		Input (KW)	17.8	24.1	34.8	41.4	50.84	63.6	77.0
Te -40°C	Cap (W)	14640	19920	29760	36200	44000	55960	64760	
	Input (KW)	14.5	19.5	29.1	34.7	42.04	53.8	64.8	
Connector	Liquid outlet Connect(mm)	φ66	φ66	φ76	φ76	φ108	φ108	φ108	
	Gas Connect (mm)	φ22	φ28	φ28	φ28	φ35	φ35	φ35	
Overall Size	L(mm)	3600	3600	3600	3600	3600	3600	3600	
	W(mm)	1250	1250	1250	1250	1250	1250	1250	
	H(mm)	1850	1850	1850	1850	1850	1850	1850	

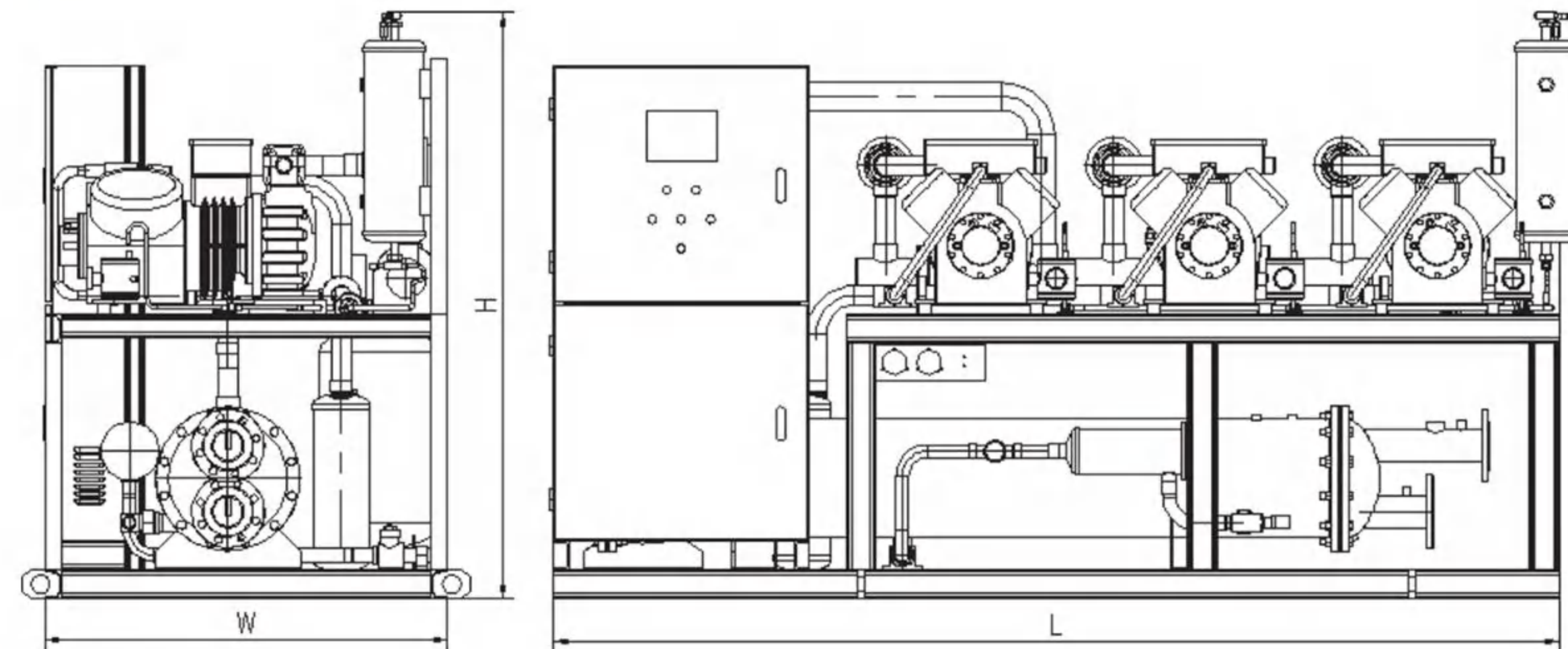
Above cooling capacity and input power under condition of condensing Temp. 40 °C



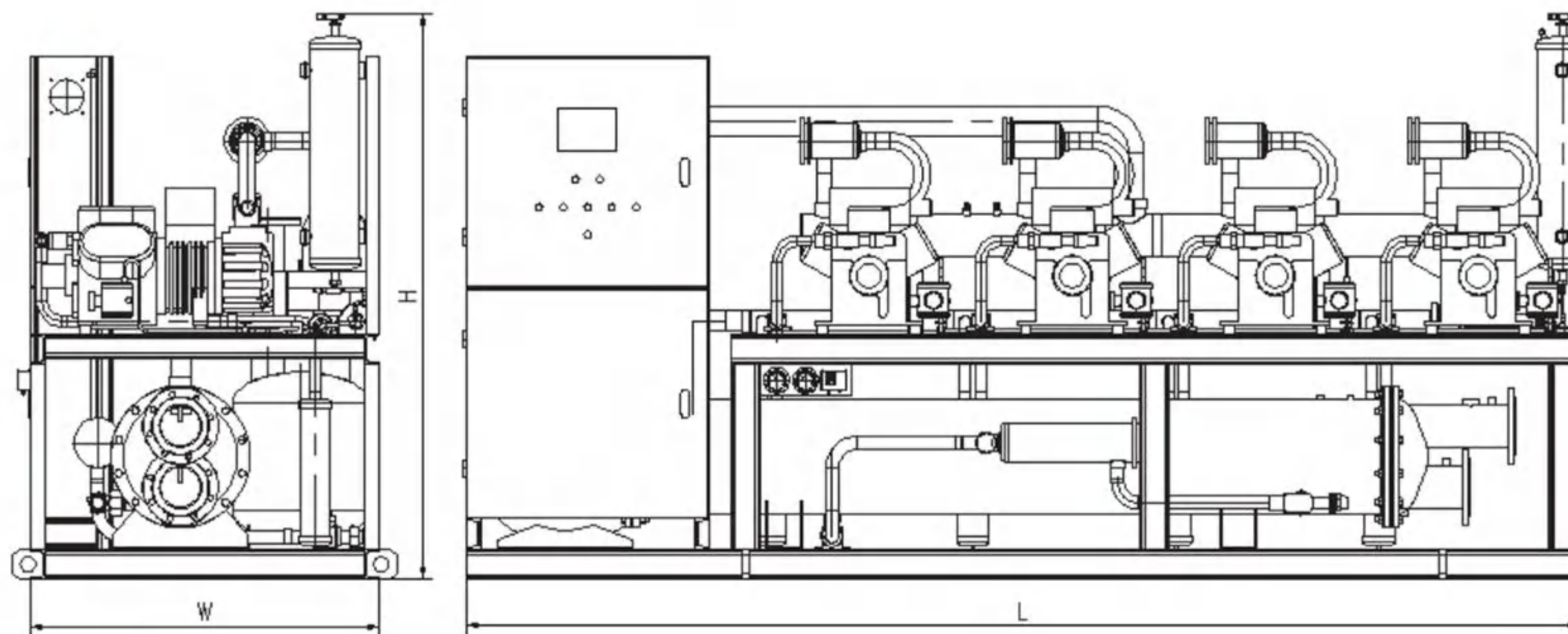
4. Diagrams for Air Cooled Rack Overall sizes



2 Compressor Rack



3 Compressor Rack



4 Compressor Rack

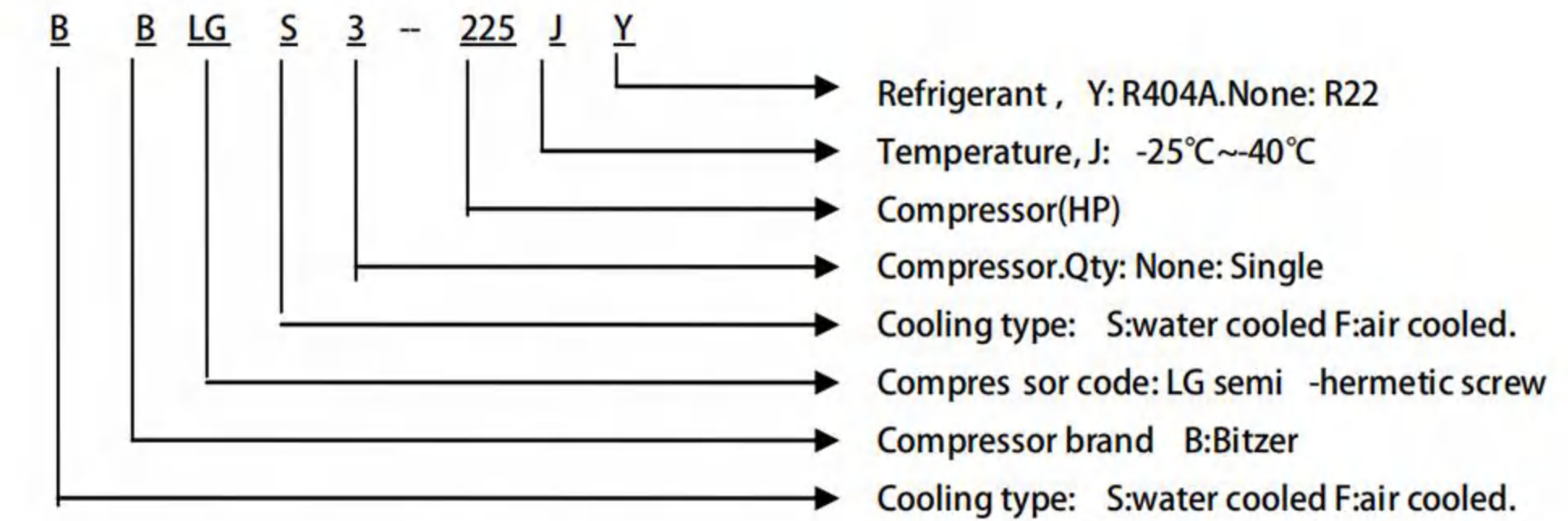
BBLG Series Low Temperature Screw Compressor racks

1. Product description

This BBLG series products are applicable to the large size $-25^{\circ}\text{C}\sim 40^{\circ}\text{C}$ low temperature refrigeration system, as the large size low temperature cold rooms, ice making, and blast freezing etc., with the features of ;

- ◆ German Bitzer semi-hermetic, low temperature screw compressor, with the features of high efficiency, long service life, tiny vibration and low noise
- ◆ All this series products have a complete set of world famous components, protection devices for compressor wrong direction, over heat, over load, over discharging temperature, low oil level, over high/low pressure of oil flow etc.
- ◆ The product is matched with economizer, which can effectively increase the capacity for low temperature operation.

2. Model code



3. Main components

- Low temp. screw machine
- Oil separator
- Oil cooler
- Oil circuit assembly
- Receiver
- unit control box(PLC + touch panel)
- Liquid pipe Filter
- Sight glasses
- Economizer assembly
- Suction Filter
- Pressure protector
- Pressure gauge
- Condenser(only for water-cooling unit)

Air-cooling Condenser or Evaporating Condenser is optional!



4. Specifications:

4.1 Water Cooled Compressor Racks

4.1.1 Refrigerant R22

Model		BLGS-50J	BLGS-60J	BLGS-70J	BLGS-75J	BLGS-125J	BLGS-160J	
Temperature(°C)		-25°C~-40°C						
Power		380V/50HZ						
Comp.	Type	Semi-Hermetic Screw						
	Comp. Model	HSN6461-50	HSN7451-60	HSN7461-70	HSN7471-75	HSN8571-125	HSN8591-160	
	Qty.	1	1	1	1	1	1	
Condenser	Type	Shell and Copper Pipe						
	Cooling Water (m³/h)	18	23	26	28	45	55	
	Water Pipe Size (inch)	2 "	2-1/2 "	2-1/2 "	2-1/2 "	3 "	3 "	
Cap & Watt	Te -35°C	Cap (KW)	42.3	50.7	58.1	63.1	106.6	134.8
		Input (KW)	32.8	40.3	44.7	47.6	74.6	101.5
	Te -40°C	Cap (KW)	33.3	39.5	45.8	49.8	84.7	106.9
		Input (KW)	31.5	39	43.1	45.9	70.9	97.3
	Te -45°C	Cap (KW)	25.5	29.5	35.1	38.3	65.7	82.7
		Input (KW)	30.2	37.8	41.5	44.1	66.9	92.7
Connect	Gas In (mm)	φ54	φ76	φ76	φ76	φ108	φ108	
	Liquid dia. (mm)	φ28	φ28	φ28	φ28	φ35	φ35	
Overall sizes	L (mm)	1800	1800	1800	2000	2250	2250	
	W (mm)	1050	1050	1050	1050	1100	1100	
	H(mm)	1300	1300	1300	1300	1730	1730	

Condensing Temp. at 40 °C.

Model		BBLGS2-100J	BBLGS2-120J	BBLGS2-140J	BBLGS2-150J	BBLGS2-250J	BBLGS2-320J	
Temperature(°C)		-25°C~-40°C						
Power		380V/50HZ						
Comp.	Type	Semi-Hermetic Screw						
	Comp. Model	HSN6461-50	HSN7451-60	HSN7461-70	HSN7471-75	HSN8571-125	HSN8591-160	
	Qty.	2	2	2	2	2	2	
Condenser	Type	Shell and Copper Pipe						
	Cooling Water (m³/h)	36	46	52	56	90	110	
	Water Pipe Size (inch)	2-1/2 "	3 "	3 "	3 "	4 "	5 "	
Cap & Watt	Te -35°C	Cap (KW)	84.6	101.4	116.2	126.2	213.2	269.6
		Input (KW)	65.6	80.6	89.4	95.2	149.2	203
	Te -40°C	Cap (KW)	66.6	79	91.6	99.6	169.4	213.8
		Input (KW)	63	78	86.2	91.8	141.8	194.6
	Te -45°C	Cap (KW)	51	59.6	70.2	76.6	131.4	165.4
		Input (KW)	60.4	75.6	83	88.2	133.8	185.4
Connect	Gas In (mm)	φ108	φ108	φ108	φ108	φ159	φ159	
	Liquid dia. (mm)	φ35	φ42	φ42	φ42	φ54	φ54	
Overall sizes	L (mm)	2400	2400	2400	2400	2400	2400	
	W (mm)	1880	1880	1880	1880	2150	2150	
	H(mm)	2100	2100	2100	2100	2300	2300	

Condensing Temp. at 40 °C.

Model		BBLGS3-150J	BBLGS3-180J	BBLGS3-210J	BBLGS3-225J	BBLGS3-375J	
Temperature(°C)		-25°C~-40°C					
Power		380V/50HZ					
Comp.	Type	Semi-Hermetic Screw					
	Comp. Model	HSN6461-50	HSN7451-60	HSN7461-70	HSN7471-75	HSN8571-125	
	Qty.	3	3	3	3	3	
Condenser	Type	Shell and Copper Pipe					
	Cooling Water (m³/h)	54	70	78	85	135	
	Water Pipe Size (inch)	3 "	3 "	3 "	4 "	5 "	
Cap & Watt	Te -35°C	Cap (KW)	126.9	152.1	174.3	189.3	319.8
		Input (KW)	98.4	120.9	134.2	142.8	223.8
	Te -40°C	Cap (KW)	99.9	118.5	137.4	149.4	254.1
		Input (KW)	94.5	117	129.3	137.7	212.7
	Te -45°C	Cap (KW)	76.5	89.4	105.3	114.9	197.1
		Input (KW)	90.6	113.4	124.5	132.3	200.7
Connect	Gas In (mm)	2 × φ80	2 × φ80	2 × φ108	2 × φ108	2 × φ133	
	Liquid dia. (mm)	φ42	φ42	φ42	φ54	φ54	
Overall sizes	L (mm)	3300	3300	3300	3300	3300	
	W (mm)	1880	1880	1880	1880	2150	
	H(mm)	2100	2100	2100	2100	2300	

Condensing Temp. at 40 °C.

Model		BBLGS4-200J	BBLGS4-240J	BBLGS4-280J	BBLGS4-300J	
Temperature(°C)		-25°C~-40°C				
Power		380V/50HZ				
Comp.	Type	Semi-Hermetic Screw				
	Comp. Model	HSN6461-50	HSN7451-60	HSN7461-70	HSN7471-75	
	Qty.	4	4	4	4	
Condenser	Type	Shell and Copper Pipe				
	Cooling Water (m³/h)	70	90	100	110	
	Water Pipe Size (inch)	4 "	4 "	4 "	5 "	
Cap & Watt	Te -35°C	Cap (KW)	169.2	202.8	232.4	252.4
		Input (KW)	131.2	161.2	178.8	190.4
	Te -40°C	Cap (KW)	133.2	158	183.2	199.2
		Input (KW)	126	156	172.4	183.6
	Te -45°C	Cap (KW)	102	119.2	140.4	152.3
		Input (KW)	120.8	151.2	166	176.4
Connect	Gas In (mm)	3 × φ80	3 × φ80	3 × φ108	3 × φ108	
	Liquid dia. (mm)	φ42	φ54	φ54	φ54	
Overall sizes	L (mm)	4100	4100	4100	4100	
	W (mm)	1880	1880	1880	1880	
	H(mm)	2100	2100	2100	2100	

Condensing Temp. at 40 °C.



4.1.2 Refrigerant R404A/R507A:

Model		BLS-50JY	BLS-60JY	BLS-70JY	BLS-75JY	BLS-125JY	BLS-160JY	
Temperature(°C)		-25°C~40°C						
Power		380V/50HZ						
Comp.	Type	Semi-Hermetic Screw						
	Comp. Model	HSN6461-50	HSN7451-60	HSN7461-70	HSN7471-75	HSN8571-125	HSN8591-160	
	Qty.	1	1	1	1	1	1	
Condenser	Type	Shell and Copper Pipe						
	Cooling Water (m ³ /h)	18	23	26	28	45	55	
	Water Pipe Size (inch)	2-1/2 "	2-1/2 "	2-1/2 "	2-1/2 "	3 "	3 "	
Cap &Watt	Te -35°C	Cap (KW)	46.7	55.7	63.9	67.7	111.2	137.8
		Input (KW)	39.0	48.9	51.5	55.5	87.5	114.9
	Te -40°C	Cap (KW)	37.5	44.2	51.0	54.5	89.4	110.3
		Input (KW)	37.2	47.6	49.6	53.0	83.9	110.2
	Te -45°C	Cap (KW)	29.5	34.2	39.9	43.0	70.5	86.4
		Input (KW)	35.4	46.1	47.7	50.7	80.7	104.9
Connect	Gas In (mm)	φ 54	φ 76	φ 76	φ 76	φ 108	φ 108	
	Liquid dia. (mm)	φ 28	φ 28	φ 28	φ 28	φ 35	φ 35	
Overall sizes	L (mm)	1800	1800	1800	2000	2250	2250	
	W (mm)	1050	1050	1050	1050	1100	1100	
	H(mm)	1300	1300	1300	1300	1730	1730	

Condensing Temp. at 40 °C.

Model		BBLGS2-100JY	BBLGS2-120JY	BBLGS2-140JY	BBLGS2-150JY	BBLGS2-250JY	BBLGS2-320JY	
Temperature(°C)		-25°C~40°C						
Power		380V/50HZ						
Comp.	Type	Semi-Hermetic Screw						
	Comp. Model	HSN6461-50	HSN7451-60	HSN7461-70	HSN7471-75	HSN8571-125	HSN8591-160	
	Qty.	2	2	2	2	2	2	
Condenser	Type	Shell and Copper Pipe						
	Cooling Water (m ³ /h)	36	46	52	56	90	110	
	Water Pipe Size (inch)	3 "	3 "	3 "	3 "	5 "	5 "	
Cap &Watt	Te -35°C	Cap (KW)	93.4	111.4	127.8	135.4	222.4	275.6
		Input (KW)	78.0	97.8	103.0	111.0	175.0	229.8
	Te -40°C	Cap (KW)	75.0	88.4	102.0	109.0	178.8	220.6
		Input (KW)	74.4	95.2	99.2	106.0	167.8	220.4
	Te -45°C	Cap (KW)	59.0	68.4	79.8	86.0	141	172.8
		Input (KW)	70.8	92.2	95.4	101.4	161.4	209.8
Connect	Gas In (mm)	φ 108	φ 108	φ 108	φ 108	φ 159	φ 159	
	Liquid dia. (mm)	φ 35	φ 42	φ 42	φ 42	φ 54	φ 54	
Overall sizes	L (mm)	2400	2400	2400	2400	2400	2400	
	W (mm)	1880	1880	1880	1880	2150	2150	
	H(mm)	2100	2100	2100	2100	2300	2300	

Condensing Temp. at 40 °C.



Model		BBLGS3-150JY	BBLGS3-180JY	BBLGS3-210JY	BBLGS3-225JY	BBLGS3-375JY	
Temperature(°C)		-25°C~40°C					
Power		380V/50HZ					
Comp.	Type	Semi-Hermetic Screw					
	Comp. Model	HSN6461-50	HSN7451-60	HSN7461-70	HSN7471-75	HSN8571-125	
	Qty.	3	3	3	3	3	
Condenser	Type	Shell and Copper Pipe					
	Cooling Water(m ³ /h)	54	70	78	85	135	
	Water Pipe (inch)	3"	4"	4"	4"	5"	
Cap &Watt	Te -35°C	Cap (KW)	140.1	176.1	191.7	203.1	333.6
		Input (KW)	117.0	146.7	154.5	166.5	262.5
	Te -40°C	Cap (KW)	112.5	132.6	153.0	163.5	268.2
		Input (KW)	111.6	142.8	148.8	159.0	251.7
	Te -45°C	Cap (KW)	88.5	102.6	119.7	129.0	211.5
		Input (KW)	106.2	138.3	143.1	152.1	242.1
Connect	Gas In (mm)	2×φ80	2×φ80	2×φ108	2×φ108	2×φ133	
	Liquid dia. (mm)	φ42	φ42	φ42	φ54	φ54	
Overall sizes	L (mm)	3300	3300	3300	3300	3300	
	W (mm)	1880	1880	1880	1880	2150	
	H(mm)	2100	2100	2100	2100	2300	

Condensing Temp. at 40 °C.

Model		BBLGS4-200JY	BBLGS4-240JY	BBLGS4-280JY	BBLGS4-300JY	
Temperature(°C)		-25°C~40°C				
Power		380V/50HZ				
Comp.	Type	Semi-Hermetic Screw				
	Comp. Model	HSN6461-50	HSN7451-60	HSN7461-70	HSN7471-75	
	Qty.	4	4	4	4	
Condenser	Type	Shell and Copper Pipe				
	Rated water flow(m ³ /h)	70	90	100	110	
	Cooling Water dia..	4"	5"	5"	5"	
Cap &Watt	Te. -35°C	Cap (KW)	186.8	222.8	255.6	270.8
		Input (KW)	156.0	195.6	206.0	222.0
	Te. -40°C	Cap (KW)	150.0	176.8	204.0	218.0
		Input (KW)	148.8	190.4	198.4	212.0
	Te. -45°C	Cap (KW)	118.0	136.8	159.6	172.0
		Input (KW)	141.6	184.4	190.8	202.8
Connector	Gas In (mm)	3×φ80	3×φ80	3×φ108	3×φ108	
	Liquid dia. (mm)	φ42	φ54	φ54	φ54	
Overall sizes	L (mm)	4100	4100	4100	4100	
	W (mm)	1880	1880	1880	1880	
	H(mm)	2100	2100	2100	2100	

Condensing Temp. at 40 °C.



4.2 Air Cooled Series :

4.2.1 Refrigerant R22:

Model		BLGF-50J	BLGF-60J	BLGF-70J	BLGF-75J	BLGF-125J	BHLGF-160J	
Temperature(°C)		-25°C~-40°C						
Power		380V/50HZ						
Comp.	Type	Semi-Hermetic Screw						
	Comp. Model	HSN6461-50	HSN7451-60	HSN7461-70	HSN7471-75	HSN8571-125	HSN8591-160	
Comp. Q' ty		1	1	1	1	1	1	
Condenser	Type	Shell and Copper Pipe						
	Fan Voltage (V)	380	380	380	380	380	380	
	Fan Capacity (W)	250×2	250×2	250×2	250×2	800×2	800×2	
Cap & Watt	Te. -35°C	Cap (KW)	40.5	48.4	55.7	60.4	101.8	129.5
		Input (KW)	36.3	45	49.3	52.7	82.3	112.3
	Te. -40°C	Cap (KW)	31.7	37.4	43.5	47.4	80.2	102
		Input (KW)	34.9	43.5	47.5	50.8	77.8	107.4
	Te. -45°C	Cap (KW)	24	27.9	33	36.1	61.4	78.2
		Input (KW)	33.4	42	45.6	48.8	72.9	101.9
Overall sizes	Connect	Gas Suction (mm)	φ54	φ76	φ76	φ76	φ108	φ108
		Liquid dia. (mm)	φ28	φ28	φ28	φ28	φ35	φ35
		Gas out dia.(mm)	φ42	φ54	φ54	φ54	φ76	φ76
		Liquid inlet (mm)	φ28	φ35	φ35	φ35	φ42	φ42
		Overall size	L (mm)	1750	1750	1750	1750	2150
W (mm)	1250		1250	1250	1250	1400	1400	
H(mm)	1640		1640	1640	1640	1870	1870	

Condensing Temp. at 45 °C.

Model		BBLGF2-100J	BBLGF2-120J	BBLGF2-140J	BBLGF2-150J	BBLGF2-250J	BBLGF2-320J	
Temperature(°C)		-25°C~-40°C						
Power		380V/50HZ						
Comp.	Type	Semi-Hermetic Screw						
	Comp. Model	HSN6461-50	HSN7451-60	HSN7461-70	HSN7471-75	HSN8571-125	HSN8591-160	
	Comp. Q' ty	2	2	2	2	2	2	
Condenser	Type	Shell and Copper Pipe						
	Fan Voltage (V)	380	380	380	380	380	380	
	Fan Capacity (W)	800×2	800×2	800×2	800×2	800×3	800×4	
Cap & Watt	Te. -35°C	Cap (KW)	81	96.8	111.4	120.8	203.6	259
		Input (KW)	72.6	90	98.6	105.4	164.6	224.6
	Te. -40°C	Cap (KW)	63.4	74.8	87	94.8	160.4	204
		Input (KW)	69.8	87	95	101.6	155.6	214.8
	Te. -45°C	Cap (KW)	48	55.8	66	72.2	122.8	156.4
		Input (KW)	66.8	84	91.2	97.6	145.8	203.8
Overall sizes	Connect	Gas Suction (mm)	φ108	φ108	φ108	φ108	φ159	φ159
		Liquid dia. (mm)	φ35	φ42	φ42	φ42	φ54	φ54
		Gas out dia.(mm)	φ76	φ76	φ76	φ76	φ108	φ108
		Liquid inlet (mm)	φ42	φ54	φ54	φ54	φ66	φ66
		Overall size	L (mm)	2650	2650	2650	2650	3450
W (mm)	1880		1880	1880	1880	2020	2020	
H(mm)	2100		2100	2100	2100	2300	2300	

Condensing Temp. at 45 °C.



Model		BBLGF3-150J	BBLGF3-180J	BBLGF3-210J	BBLGF3-225J	BBLGF3-375J	
Temperature(°C)		-25°C~-40°C					
Power		380V/50HZ					
Comp.	Type	Semi-Hermetic Screw					
	Comp. Model	HSN6461-50	HSN7451-60	HSN7461-70	HSN7471-75	HSN8571-125	
	Comp. Q' ty	3	3	3	3	3	
Condenser	Type	Shell and Copper Pipe					
	Fan Voltage (V)	380	380	380	380	380	
	Fan Capacity (W)	800×2	800×3	800×3	800×3	800×4	
Cap & Watt	Te. -35°C	Cap (KW)	121.5	145.2	167.1	181.2	305.4
		Input (KW)	108.9	135	147.9	158.1	246.9
	Te. -40°C	Cap (KW)	95.1	112.2	130.5	142.2	240.6
		Input (KW)	104.7	130.5	142.5	152.4	233.4
	Te. -45°C	Cap (KW)	72	83.7	99	108.3	184.2
		Input (KW)	100.2	126	136.8	146.4	218.7
Connector	Gas Suction (mm)	2×φ80	2×φ80	2×φ108	2×φ108	2×φ133	
	Liquid dia. (mm)	φ42	φ42	φ42	φ54	φ54	
	Gas out dia.(mm)	φ76	φ76	φ76	φ108	φ108	
	Liquid inlet (mm)	φ54	φ54	φ54	φ54	φ54	
Overall size	L (mm)	3450	3450	3450	3450	4250	
	W (mm)	1900	1900	1900	1900	2020	
	H(mm)	2100	2100	2100	2100	2300	

Condensing Temp. at 45 °C.

Model		BBLGF4-200J	BBLGF4-240J	BBLGF4-280J	BBLGF4-300J	
Temperature(°C)		-25°C~-40°C				
Power		380V/50HZ				
Comp.	Type	Semi-Hermetic Screw				
	Comp. Model	HSN6461-50	HSN7451-60	HSN7461-70	HSN7471-75	
	Qty.	4	4	4	4	
Condenser	Type	Shell and Copper Pipe				
	Fan Voltage (V)	380	380	380	380	
	Fan Capacity (W)	800×3	800×4	800×4	800×4	
Cap & Watt	Te. -35°C	Cap (KW)	162	193.6	222.8	241.6
		Input (KW)	145.2	180	197.2	210.8
	Te. -40°C	Cap (KW)	126.8	149.6	174	189.6
		Input (KW)	139.6	174	190	203.2
	Te. -45°C	Cap (KW)	96	111.6	132	144.4
		Input (KW)	133.6	168	182.4	195.2
Connector	Gas Suction (mm)	3×φ80	3×φ80	3×φ108	3×φ108	
	Liquid dia. (mm)	φ42	φ54	φ54	φ54	
	Gas out dia. (mm)	φ76	φ108	φ108	φ108	
	Liquid inlet (mm)	φ54	φ54	φ54	φ54	
Overall size L×W×H(mm)		4250×1900×2100	4250×1900×2100	4250×1900×2100	4250×1900×2100	

Condensing Temp. at 45 °C.



4.2.2 Refrigerant R404A/R507A:

Model		BBLGF-50JY	BBLGF-60JY	BBLGF-70JY	BBLGF-75JY	BBLGF-125JY	BBLGF-160JY	
Temperature(°C)		-25°C~-40°C						
Power		380V/50HZ						
Comp.	Type	Semi-Hermetic Screw						
	Comp. Model	HSN6461-50	HSN7451-60	HSN7461-70	HSN7471-75	HSN8571-125	HSN8591-160	
	Comp. Q' ty	1	1	1	1	1	1	
Oil cooler	Type	Copper Tube and Alu. fin						
	Fan Voltage (V)	380	380	380	380	380	380	
	Fan Capacity (W)	250	250	250	250	250×2	800×2	
Cap & Watt	Te. -35°C	Cap (KW)	44.5	52.7	60.7	64.1	103.6	128.8
		Input (KW)	43.4	54.7	57.6	61.5	96.2	128.4
	Te. -40°C	Cap (KW)	35.6	41.7	48.4	51.5	82.8	102.5
		Input (KW)	41.5	53.4	55.6	59.1	92.2	122.7
	Te. -45°C	Cap (KW)	27.9	32.2	37.8	40.5	64.6	79.4
		Input (KW)	39.8	51.9	53.4	56.8	88.2	116.2
Connector	Gas Suction (mm)	φ54	φ76	φ76	φ76	φ108	φ108	
	Liquid dia. (mm)	φ28	φ28	φ28	φ28	φ35	φ35	
	Gas out dia.(mm)	φ42	φ54	φ54	φ54	φ54	φ54	
	Liquid inlet (mm)	φ28	φ35	φ35	φ35	φ42	φ42	
Overall Size	L (mm)	1750	1750	1750	1750	2150	2150	
	W (mm)	1250	1250	1250	1250	1400	1400	
	H(mm)	1640	1640	1640	1640	1870	1870	

Condensing Temp. at 45 °C.

Model		BBLGF2-100JY	BBLGF2-120JY	BBLGF2-140JY	BBLGF2-150JY	BBLGF2-250JY	BBLGF2-320JY	
Temperature(°C)		-25°C~-40°C						
Power		380V/50HZ						
Comp.	Type	Semi-Hermetic Screw						
	Comp. Model	HSN6461-50	HSN7451-60	HSN7461-70	HSN7471-75	HSN8571-125	HSN8591-160	
	Comp. Q' ty	2	2	2	2	2	2	
Oil cooler	Type	Copper Tube and Alu. fin						
	Fan Voltage (V)	380	380	380	380	380	380	
	Fan Capacity (W)	250×2	250×2	250×2	800×2	800×2	800×4	
Cap & Watt	Te. -35°C	Cap (KW)	89.0	105.4	121.4	128.2	207.2	257.6
		Input (KW)	86.8	109.4	115.2	123.0	192.4	256.8
	Te. -40°C	Cap (KW)	71.2	83.4	96.8	103.0	165.6	205.0
		Input (KW)	83.0	106.8	111.2	118.2	184.4	245.4
	Te. -45°C	Cap (KW)	55.8	64.4	75.6	81.0	129.2	158.8
		Input (KW)	79.6	103.8	106.8	113.6	176.4	232.4
Connector	Gas Suction (mm)	φ108	φ108	φ108	φ108	φ159	φ159	
	Liquid dia. (mm)	φ35	φ42	φ42	φ42	φ54	φ54	
	Gas out dia.(mm)	φ76	φ76	φ76	φ76	φ108	φ108	
	Liquid inlet (mm)	φ42	φ54	φ54	φ54	φ54	φ54	
Overall Size	L (mm)	2650	2650	2650	2650	3450	3450	
	W (mm)	1880	1880	1880	1880	2020	2020	
	H(mm)	2100	2100	2100	2100	2300	2300	

Condensing Temp. at 45 °C.

Model		BBLGF3-150JY	BBLGF3-180JY	BBLGF3-210JY	BBLGF3-225JY	BBLGF3-375JY	
Temperature(°C)		-25°C~-40°C					
Power		380V/50HZ					
Comp.	Type	Semi-Hermetic Screw					
	Comp. Model	HSN6461-50	HSN7451-60	HSN7461-70	HSN7471-75	HSN8571-125	
	Comp. Q' ty	3	3	3	3	3	
Oil cooler	Type	Copper Tube and Alu. fin					
	Fan Voltage (V)	380	380	380	380	380	
	Fan Capacity (W)	800×2	800×2	800×2	800×2	800×3	
Cap & Watt	Te. -35°C	Cap (KW)	133.5	158.1	182.1	192.3	310.8
		Input (KW)	130.2	164.1	172.8	184.5	288.6
	Te. -40°C	Cap (KW)	106.8	125.1	145.2	154.5	248.4
		Input (KW)	124.5	160.2	166.8	177.3	276.6
	Te. -45°C	Cap (KW)	83.7	96.6	113.4	121.5	193.8
		Input (KW)	119.4	155.7	160.2	170.4	264.6
Connector	Gas Suction (mm)	2×φ80	2×φ80	2×φ108	2×φ108	2×φ133	
	Liquid dia. (mm)	φ42	φ42	φ42	φ54	φ54	
	Gas out dia.(mm)	φ76	φ76	φ76	φ108	φ108	
	Liquid inlet (mm)	φ54	φ54	φ54	φ54	φ54	
Overall size	L (mm)	3450	3450	3450	3450	4250	
	W (mm)	1900	1900	1900	1900	2020	
	H(mm)	2100	2100	2100	2100	2300	

Condensing Temp. at 45 °C.

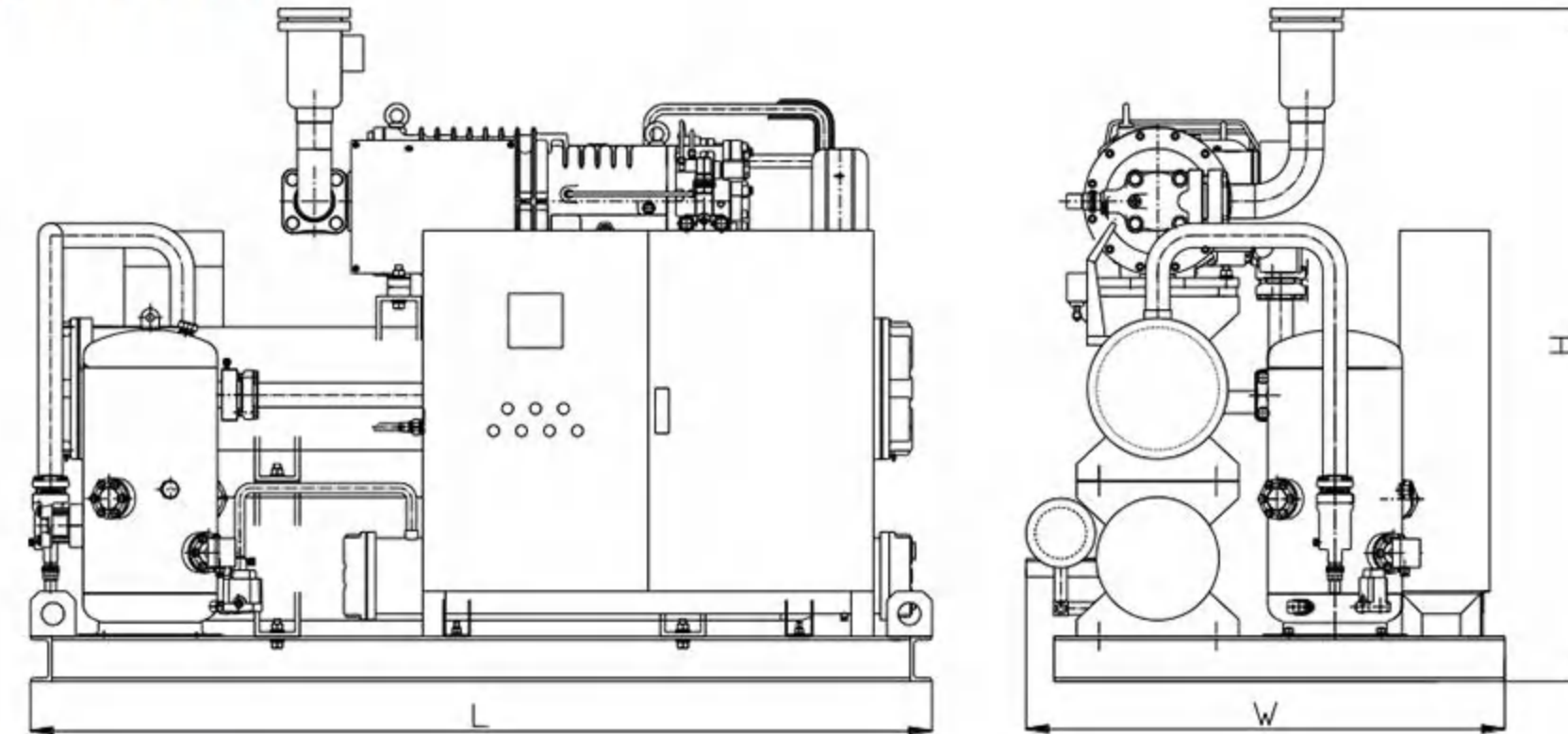
Model		BBLGF4-200JY	BBLGF4-240JY	BBLGF4-280JY	BBLGF4-300JY	
Temperature(°C)		-25°C~-40°C				
Power		380V/50HZ				
Comp.	Type	Semi-Hermetic Screw				
	Comp. Model	HSN6461-50	HSN7451-60	HSN7461-70	HSN7471-75	
	Comp. Q' ty	4	4	4	4	
Oil cooler	Type	Copper Tube and Alu. fin				
	Fan Voltage (V)	380	380	380	380	
	Fan Capacity (W)	800×2	250×4	250×4	250×4	
Cap & Watt	Te. -35°C	Cap (KW)	178.0	210.8	242.8	256.4
		Input (KW)	173.6	218.8	230.4	246.0
	Te. -40°C	Cap (KW)	142.4	166.8	193.6	206.0
		Input (KW)	166.0	213.6	222.4	236.4
	Te. -45°C	Cap (KW)	111.6	128.8	151.2	162.0
		Input (KW)	159.2	207.6	213.6	227.2
Connector	Gas Suction (mm)	3×φ80	3×φ80	3×φ108	3×φ108	
	Liquid dia. (mm)	φ42	φ54	φ54	φ54	
	Gas out dia.(mm)	φ76	φ108	φ108	φ108	
	Liquid inlet (mm)	φ54	φ54	φ54	φ54	
Overall size L×W×H (mm)	4250×1900×2100	4250×1900×2100	4250×1900×2100	4250×1900×2100		

Condensing Temp. at 45 °C.

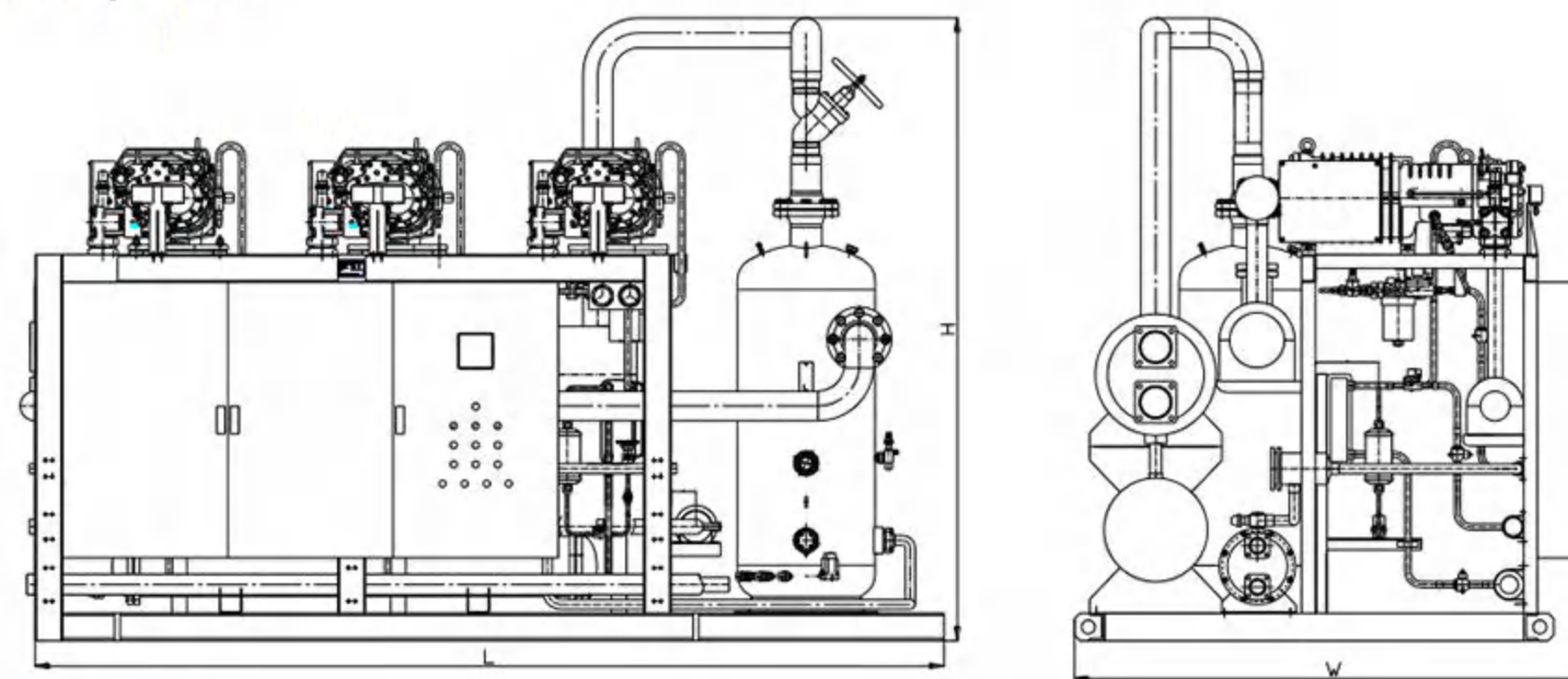


5. Diagrams for Overall sizes

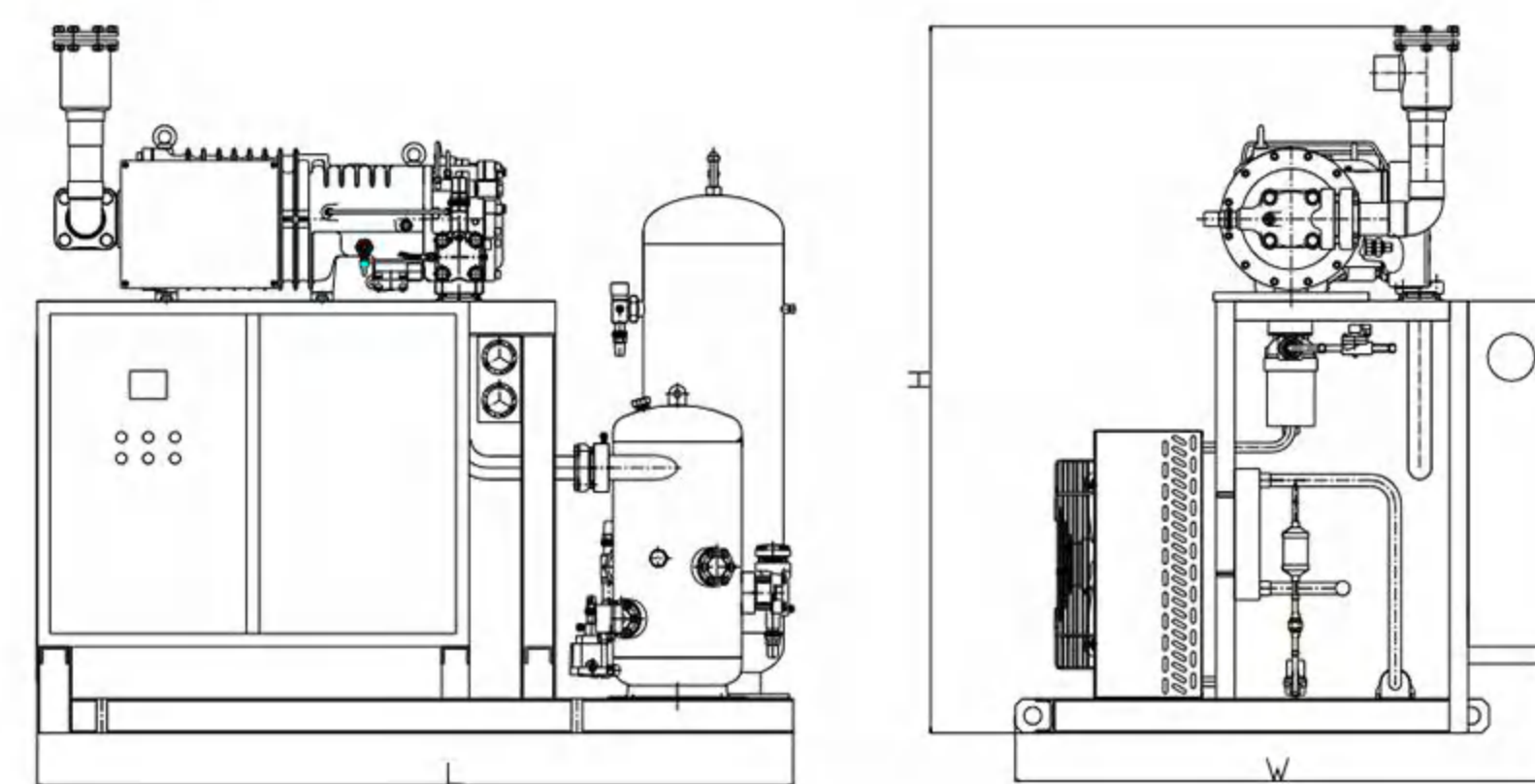
5.1 Water cooled single compressor



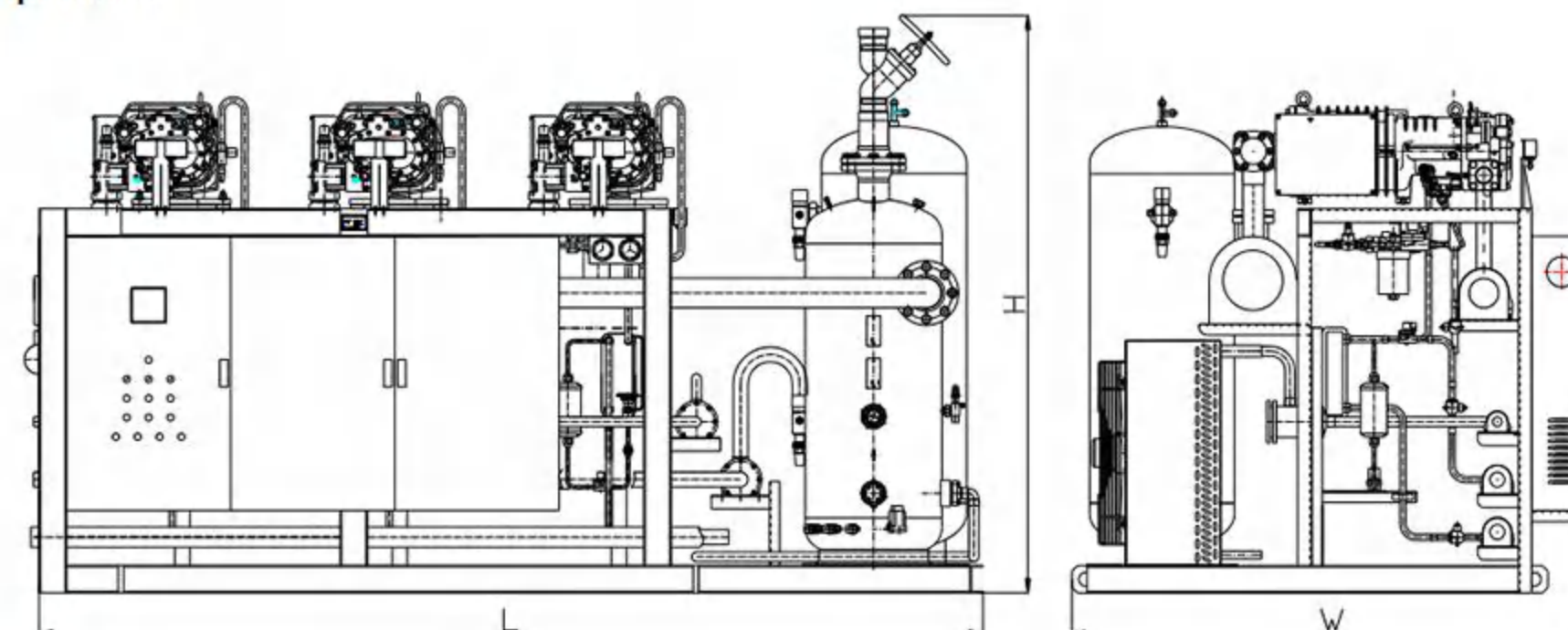
5.2 Water cooled multi compressors



5.3 Air cooled single compressor



5.4 Air cooled multi compressors



BLG-M series screw condensing unit

1. Product description

The BLG-M series screw temperature condensing unit can meet large, used in freezers with temperature is $-5\sim 5^{\circ}\text{C}$.

Product features:

With BITZER CSH screw compressors, high efficiency, long life, low vibration and low noise characteristics;

Units fully equipped, with the main refrigeration and control components world famous brands and high reliability

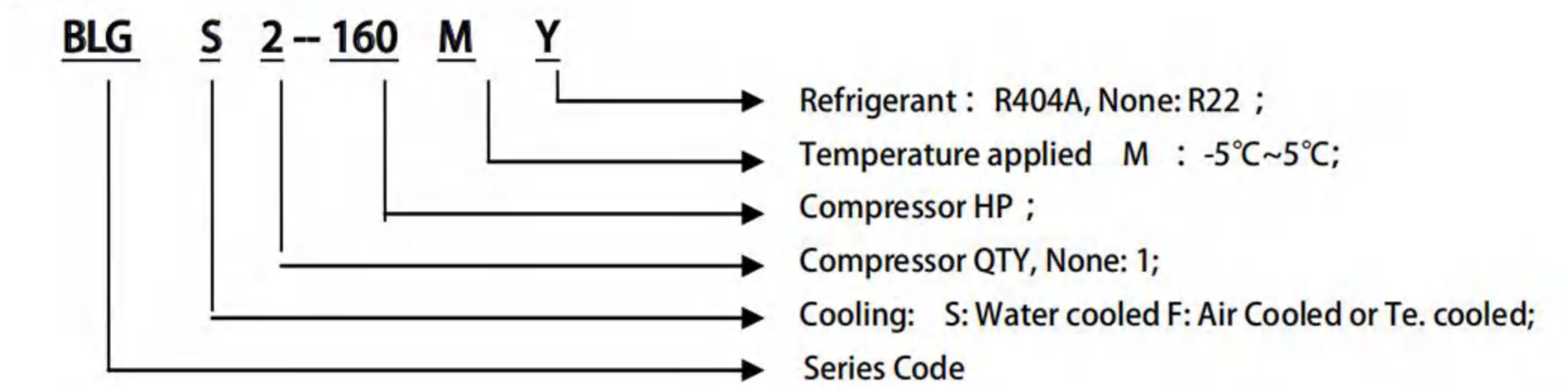
With multi protection devices for compressors wrong direction, overheating, overload, discharge temperature, oil level and high and low pressure, and thus ensuring high reliability of operation;

With CIC system, that will make the liquid line solenoid valve opens for liquid cooling when the discharge temperature exceeds the set value.

With multiple levels of capacity regulation, adapting different cooling load, reduce energy consumption;

With PLC control and touch screen, can realize remote monitoring based on user requirements.

2. Model code



3. Main components

- ①CSH screw compressor ②External oil separator ③Water Condenser/Liquid receiver ④Liquid line filters ⑤Oil sight glasses
- ⑥Liquid injection ⑦H and L protector ⑧High pressure controller ⑨Pressure gauge ⑩Suction filters Oil filter Oil-solenoid valves
- Oil level protector Unit control (PLC+ Touch screen)

Single compressor rack ①、③、④、⑤、⑥、⑦、⑧、⑨、⑩、、

2 compressor rack ①、③、④、⑤、⑥、⑦、⑧、⑨、⑩、、、

3 compressor rack : ①、②、③、④、⑤、⑥、⑦、⑧、⑨、⑩、、、、

Note: the Serial ③, For the water cooled condenser, no need to used liquid receiver. For the air cooled and evaporative condenser, it can be used as optional.



4. Specifications:

4.1 Water cooled

4.1.1 R22 Products

Model		BLG S-50M	BLG S-60M	BLG S-70M	BLG S-80M	BLG S-90M	BLG S-100M	
Temperature (°C)		-5°C~5°C						
Power supply		380V/50HZ						
Compressor model		CSH6553-50	CSH6563-60	CSH7553-70	CSH7563-80	CSH7573-90	CSH7583-100	
Cap. & input	Te	Cap (KW)	104.3	130.9	153.6	178.5	215.0	236.0
	0°C	input (KW)	29.6	36.8	44.4	50.1	57.8	66.2
	Te	Cap (KW)	86.3	108.3	127.4	148.2	179.2	195.6
	-5°C	input (KW)	28.3	35.2	42.7	48.4	55.9	64.0
Cap. & input	Te	Cap (KW)	70.5	88.5	104.3	121.5	147.7	160.4
	-10°C	input (KW)	26.9	33.4	41.3	47.0	54.2	62.1
Condenser connect	Type	Shell&Copper Tube						
	Water flow (m3/h)	27	34	40	46	55	60	
	Cooling Pipe Dia.	Rp2-1/2	Rp3	DN80	DN80	DN100	DN100	
Overall sizes	Gas in (mm)	φ54	φ54	φ76	φ76	φ76	φ76	
	Liquid dia. (mm)	φ28	φ28	φ35	φ35	φ35	φ35	
Overall sizes	L (mm)	1610	2110	2110	2550	2550	2550	
	W (mm)	900	900	900	900	900	900	
	H (mm)	1150	1150	1200	1200	1200	1200	

Condensing temp 4 °C

Model		BLG S2-100M	BLG S2-120M	BLG S2-140M	BLG S2-160M	BLG S2-180M	BLG S2-200M	
Temperature(°C)		-5°C~5°C						
Power		380V/50HZ						
Compressor model		CSH6553-50	CSH6563-60	CSH7553-70	CSH7563-80	CSH7573-90	CSH7583-100	
Cap. & input	Te	Cap (KW)	208.6	261.8	307.2	357.0	430.0	472.0
	0°C	input (KW)	59.2	73.6	88.8	100.2	115.6	132.4
	Te	Cap (KW)	172.6	216.6	254.8	296.4	358.4	391.2
	-5°C	input (KW)	56.6	70.4	85.4	96.8	111.8	128.0
Cap. & input	Te	Cap (KW)	141.0	177.0	208.6	243.0	295.4	320.8
	-10°C	input (KW)	53.8	66.8	82.6	94.0	108.4	124.2
Condenser connect	Type	shell&Copper Tube						
	Water flow (m3/h)	54	67	80	91	110	120	
	Cooling Pipe Dia .	DN100	DN100	DN125	DN125	DN125	DN150	
Overall sizes	Gas in (mm)	φ89	φ89	φ108	φ108	φ108	φ108	
	Liquid dia. (mm)	φ35	φ42	φ42	φ42	φ54	φ54	
Overall sizes	L (mm)	2600	2900	2900	3100	3400	3400	
	W (mm)	1300	1300	1300	1300	1300	1300	
	H (mm)	1600	1600	1700	1700	1700	1700	

Condensing temp 40°C.



Model		BLG S3-150M	BLG S3-18M	BLG S3-21M	BLG S3-240M	BLG S3-270M	BLG S3-30M	
Temperature(°C)		-5°C~5°C						
Power		380V/50HZ						
Compressor model		CSH6553-50	CSH6563-60	CSH7553-70	CSH7563-80	CSH7573-90	CSH7583-100	
Cap. & input	Te	Cap (KW)	312.9	392.7	460.8	535.5	645.0	708.0
	0°C	input (KW)	88.8	110.4	133.2	150.3	173.4	198.6
	Te	Cap (KW)	258.9	324.9	382.2	444.6	537.6	586.8
	-5°C	input (KW)	84.9	105.6	128.1	145.2	167.7	192.0
Cap. & input	Te	Cap (KW)	211.5	265.5	312.9	364.5	443.1	481.2
	-10°C	input (KW)	80.7	100.2	123.9	141.0	162.6	186.3
Condenser connect	Type	shell&Copper Tube						
	Water flow (m3/h)	80	100	120	137	164	181	
	Cooling Pipe Dia .	DN125	DN125	DN150	DN150	DN150	DN150	
Overall sizes	Gas in (mm)	2*φ76	2*φ76	2*φ89	2*φ89	2*φ108	2*φ108	
	Liquid dia. (mm)	φ42	φ54	φ54	φ54	φ67	φ67	
Overall sizes	L (mm)	3000	3400	3400	3400	3600	3600	
	W (mm)	1960	1960	1960	1960	1960	1960	
	H (mm)	2000	2000	2100	2100	2100	2100	

Condensing temp 40°C.

4.1.2 R404A Products

Model		BLG S-50MY	BLG S-60MY	BLG S-70MY	BLG S-80MY	BLG S-90MY	
Temperature(°C)		-5°C~5°C					
Power		380V/50HZ					
Compressor model		CSH6553-50Y	CSH6563-60Y	CSH7553-70Y	CSH7563-80Y	CSH7573-90Y	
Cap. & input	Te	Cap (KW)	109.7	137.8	160.7	182.7	211.0
	0°C	input (KW)	34.7	43.4	48.8	55.5	63.2
	Te	Cap (KW)	89.6	112.6	130.6	148.6	172.8
	-5°C	input (KW)	34.0	42.3	47.5	53.2	61.5
Cap. & input	Te	Cap (KW)	72.4	91.0	105.0	119.6	140.1
	-10°C	input (KW)	33.2	41.3	46.3	51.5	59.9
Condenser connect	Type	Shell&Copper Tube					
	water flow (m3/h)	29	36	42	48	55	
	Cooling Pipe Dia .	Rp2-1/2	Rp3	DN80	DN80	DN100	
Overall sizes	Gas in (mm)	φ54	φ54	φ76	φ76	φ76	
	Liquid dia. (mm)	φ28	φ28	φ35	φ35	φ35	
Overall sizes	L (mm)	1610	2110	2110	2550	2550	
	W (mm)	900	900	900	900	900	
	H (mm)	1150	1150	1200	1200	1200	

Condensing temp 40°C.



Model		BLG S2-100MY	BLG S2-120MY	BLG S2-140MY	BLG S2-160MY	BLG S2-180MY	
Temperature(°C)		-5°C~5°C					
Power		380V/50HZ					
Compressor model		CSH6553-50Y	CSH6563-60Y	CSH7553-70Y	CSH7563-80Y	CSH7573-90Y	
Cap. & input	Te 0°C	Cap (KW)	219.4	275.6	321.4	365.4	422.0
		input (KW)	69.4	86.8	97.6	111.0	126.4
	Te -5°C	Cap (KW)	179.2	225.2	261.2	297.2	345.6
		input (KW)	68.0	84.6	95.0	106.4	123.0
	Te -10°C	Cap (KW)	144.8	182.0	210.0	239.2	280.2
		input (KW)	66.4	82.6	92.6	103.0	118.8
Condenser	Type	Shell & Copper Tube					
	water flow (m3/h)	58	73	84	95	110	
	Cooling Pipe Dia .	DN100	DN100	DN125	DN125	DN125	
connect	Gas in (mm)	φ 89	φ 89	φ 108	φ 108	φ 108	
	Liquid dia. (mm)	φ 35	φ 42	φ 42	φ 42	φ 54	
Overall sizes	L (mm)	2600	2900	2900	3100	3400	
	W (mm)	1300	1300	1300	1300	1300	
	H (mm)	1600	1600	1700	1700	1700	

Condensing temp 40°C

.Model		BLG S3-150MY	BLG S3-180MY	BLG S3-210MY	BLG S3-240MY	BLG S3-270MY	
Temperature°C		-5°C~5°C					
Power		380V/50HZ					
Compressor model		CSH6553-50Y	CSH6563-60Y	CSH7553-70Y	CSH7563-80Y	CSH7573-90Y	
Cap. & input	Te 0°C	Cap (KW)	329.1	413.4	482.1	548.1	633.0
		input (KW)	104.1	130.2	146.4	166.5	189.6
	Te -5°C	Cap (KW)	268.8	337.8	391.8	445.8	518.4
		input (KW)	102.0	126.9	142.5	159.6	184.5
	Te -10°C	Cap (KW)	217.2	273.0	315.0	358.8	420.3
		input (KW)	99.6	123.9	138.9	154.5	179.7
Condenser	Type	Shell & C opper Tube					
	water flow (m3/h)	87	110	126	143	165	
	Cooling Pipe Dia .	DN125	DN125	DN150	DN150	DN150	
connect	Gas in (mm)	2*φ 76	2*φ 76	2*φ 89	2*φ 89	2*φ 108	
	Liquid dia (mm)	φ 42	φ 54	φ 54	φ 54	φ 67	
Overall sizes	L (mm)	3000	3400	3400	3400	3600	
	W (mm)	1960	1960	1960	1960	1960	
	H (mm)	2000	2000	2100	2100	2100	

Condensing temp 40°C



4.2 Air cooled

4.2.1 R22 Products

Model		BLG F-50M	BLG F-60M	BLG F-70M	BLG F-80M	BLG F-90M	BLG F-100M	
Temperature(°C)		-5°C~5°C						
Power		380V/50HZ						
Compressor model		CSH6553-50	CSH6563-60	CSH7553-70	CSH7563-80	CSH7573-90	CSH7583-100	
Cap. & input	Te 0°C	Cap (KW)	98.0	123.0	143.3	166.1	201.0	221.0
		input (KW)	32.3	40.1	48.6	54.7	63.1	72.3
	Te -5°C	Cap (KW)	80.7	101.3	118.2	137.1	167.1	182.6
		input (KW)	30.8	38.3	46.9	53.0	61.2	70.4
	Te -10°C	Cap (KW)	65.6	82.3	96.2	111.7	137.0	149.3
		input (KW)	29.4	36.5	45.5	51.6	59.6	68.6
connect	Gas in (mm)	φ 54	φ 54	φ 76	φ 76	φ 76	φ 76	
	Liquid dia (mm)	φ 28	φ 28	φ 35	φ 35	φ 35	φ 35	
	Gas out dia. (mm)	φ 42	φ 42	φ 54	φ 54	φ 54	φ 54	
	Liduid inlet (mm)	φ 35	φ 35	φ 42	φ 42	φ 42	φ 42	
Overall sizes	L (mm)	1900	1900	2200	2200	2550	2550	
	W (mm)	900	900	900	900	900	900	
	H (mm)	1150	1150	1200	1200	1200	1200	

Condensing temp 45°C

Model		BLG F2-100M	BLG F2-120M	BLG F2-140M	BLG F2-160M	BLG F2-180M	BLG F2-200M	
Temperature(°C)		-5°C~5°C						
Power		380V/50HZ						
Compress or model		CSH6553-50	CSH6563-60	CSH7553-70	CSH7563-80	CSH7573-90	CSH7583-100	
Cap. & input	Te 0°C	Cap (KW)	196.0	246.0	286.6	332.2	402.0	442.0
		Input (KW)	64.6	80.2	97.2	109.4	126.2	144.6
	Te -5°C	Cap (KW)	161.4	202.6	236.4	274.2	334.2	365.2
		Input (KW)	61.6	76.6	93.8	106.0	122.4	140.8
	Te -10°C	Cap (KW)	131.2	164.6	192.4	223.4	274.0	298.6
		Input (KW)	58.8	73.0	91.0	103.2	119.2	137.2
connect	Gas in (mm)	φ 89	φ 89	φ 108	φ 108	φ 108	φ 108	
	Liquid dia (mm)	φ 35	φ 42	φ 42	φ 42	φ 54	φ 54	
	Gas out dia. (mm)	φ 67	φ 67	φ 76	φ 76	φ 76	φ 76	
	Liduid inlet (mm)	φ 42	φ 54	φ 54	φ 54	φ 54	φ 54	
Overall sizes	L (mm)	2400	2400	2900	2900	2900	2900	
	W (mm)	1300	1300	1300	1300	1300	1300	
	H (mm)	1600	1600	1700	1700	1700	1700	

Condensing temp 45°C



Model		BLG F3-150M	BLG F3-180M	BLG F3-210M	BLG F3-240M	BLG F3-270M	BLG F3-300M	
Temperature(°C)		-5°C~5°C						
Power		380V/50HZ						
Compressor model		CSH6553-50	CSH6563-60	CSH7553-70	CSH7563-80	CSH7573-90	CSH7583-100	
Cap. & input	Te 0°C	Cap (KW)	294.0	369.0	429.9	498.3	603.0	663.0
		Input (KW)	96.9	120.3	145.8	164.1	189.3	216.9
	Te-5 °C	Cap (KW)	242.1	303.9	354.6	411.3	501.3	547.8
		Input (KW)	92.4	114.9	140.7	159.0	183.6	211.2
	Te-10 °C	Cap (KW)	196.8	246.9	288.6	335.1	411.0	447.9
		Input (KW)	88.2	109.5	136.5	154.8	178.8	205.8
connect	Gas in (mm)		2*φ76	2*φ76	2*φ89	2*φ89	2*φ108	2*φ108
	Liquid dia (mm)		φ42	φ54	φ54	φ54	φ67	φ67
	Gas out dia. (mm)		φ76	φ76	φ89	φ89	φ89	φ89
	Liquid inlet (mm)		φ54	φ54	φ54	φ54	φ67	φ67
Overall sizes	L (mm)		3000	3000	3000	3000	3000	3000
	W (mm)		1960	1960	1960	1960	1960	1960
	H (mm)		2000	2000	2100	2100	2100	2100

Condensing temp 45°C

4.2.2 R404A Products

Model		BLG F-50MY	BLG F-60MY	BLG F-70MY	BLG F-80MY	BLG F-90MY	
Temperature(°C)		-5°C~5°C					
Power		380V/50HZ					
Compressor model		CSH6553-50Y	CSH6563-60Y	CSH7553-70Y	CSH7563-80Y	CSH7573-90Y	
Cap. & input	Te0°C	Cap (KW)	99.1	124.5	143.8	162.7	188.9
		Input (KW)	38.2	47.7	53.5	60.2	69.4
	Te -5°C	Cap (KW)	80.3	101.0	116.3	131.7	154.0
		Input (KW)	37.3	46.5	52.3	58.2	67.7
	Te -10°C	Cap (KW)	64.3	80.9	93.0	105.5	124.3
		Input (KW)	36.5	45.4	51.3	56.6	66.2
connect	Gas in (mm)		φ54	φ54	φ76	φ76	φ76
	Liquid dia (mm)		φ28	φ28	φ35	φ35	φ35
	Gas out dia. (mm)		φ42	φ42	φ54	φ54	φ54
	Liquid inlet (mm)		φ35	φ35	φ42	φ42	φ42
Overall sizes	L (mm)		1900	1900	2200	2200	2550
	W (mm)		900	900	900	900	900
	H (mm)		1150	1150	1200	1200	1200

Condensing temp 4 5°C



Model		BLG F2-100MY	BLG F2-120MY	BLG F2-140MY	BLG F2-160MY	BLG F2-180MY	
Temperature(°C)		-5°C~5°C					
Power		380V/50HZ					
Compressor model		CSH6553-50Y	CSH6563-60Y	CSH7553-70Y	CSH7563-80Y	CSH7573-90Y	
Cap. & input	Te 0°C	Cap (KW)	198.2	249.0	287.6	325.4	377.8
		Input (KW)	76.4	95.4	107.0	120.4	138.8
	Te -5°C	Cap (KW)	160.6	202.0	232.6	263.4	308.0
		Input (KW)	74.6	93.0	104.6	116.4	135.4
	Te -10°C	Cap (KW)	128.6	161.8	186.0	211.0	248.6
		Input (KW)	73.0	90.8	102.6	113.2	132.4
connect	Gas in (mm)		φ89	φ89	φ108	φ108	φ108
	Liquid dia (mm)		φ35	φ42	φ42	φ42	φ54
	Gas out dia. (mm)		φ67	φ67	φ76	φ76	φ76
	Liquid inlet (mm)		φ42	φ54	φ54	φ54	φ54
Overall sizes	L (mm)		2400	2400	2900	2900	2900
	W (mm)		1300	1300	1300	1300	1300
	H (mm)		1600	1600	1700	1700	1700

Condensing temp 45°C

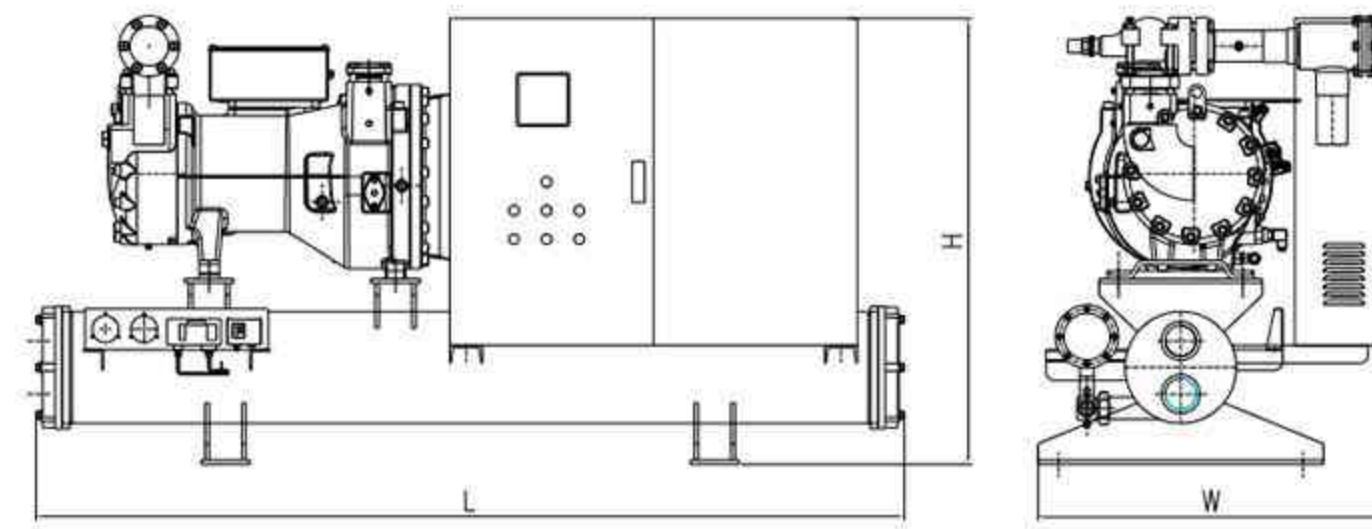
Model		BLG F3-150MY	BLG F3-180MY	BLG F3-210MY	BLG F3-240MY	BLG F3-270MY	
Temperature(°C)		-5°C~5°C					
Power		380V/50HZ					
Compressor model		CSH6553-50Y	CSH6563-60Y	CSH7553-70Y	CSH7563-80Y	CSH7573-90Y	
Cap. & input	Te 0°C	Cap (KW)	297.3	373.5	431.4	488.1	566.7
		Input (KW)	114.6	143.1	160.5	180.6	208.2
	Te -5°C	Cap (KW)	240.9	303.0	348.9	395.1	462.0
		Input (KW)	111.9	139.5	156.9	174.6	203.1
	Te -10°C	Cap (KW)	192.9	242.7	279.0	316.5	372.9
		Input (KW)	109.5	136.2	153.9	169.8	198.6
connect	Gas in (mm)		2*φ76	2*φ76	2*φ89	2*φ89	2*φ108
	Liquid dia (mm)		φ42	φ54	φ54	φ54	φ67
	Gas out dia. (mm)		φ76	φ76	φ89	φ89	φ89
	Liquid inlet (mm)		φ54	φ54	φ54	φ54	φ67
Overall sizes	L (mm)		3000	3000	3000	3000	3000
	W (mm)		1960	1960	1960	1960	1960
	H (mm)		2000	2000	2100	2100	2100

Condensing temp 45°C

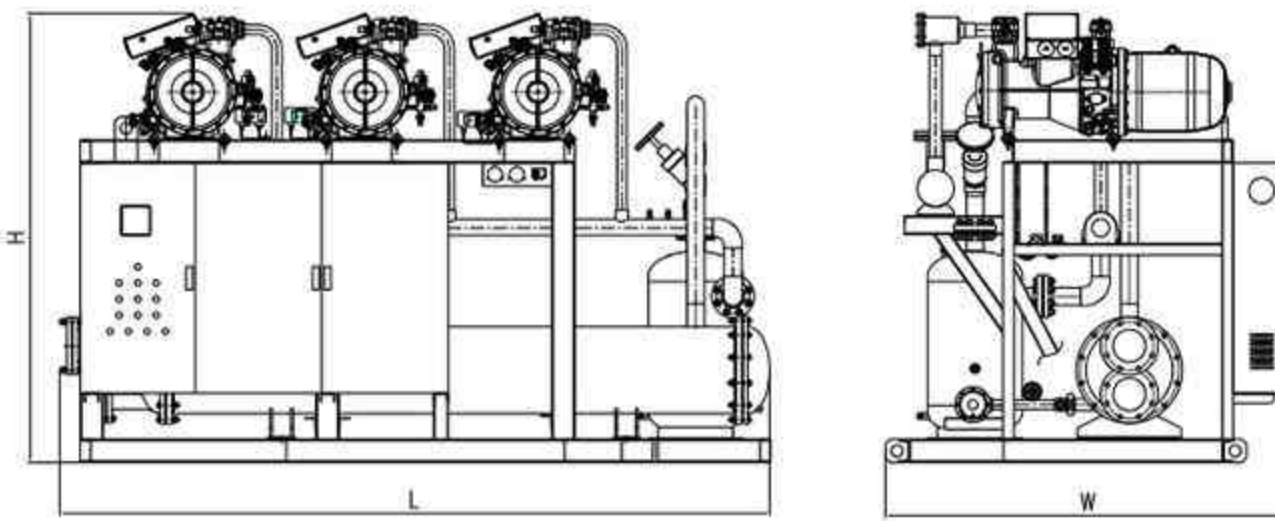


5. Diagrams for Overall sizes

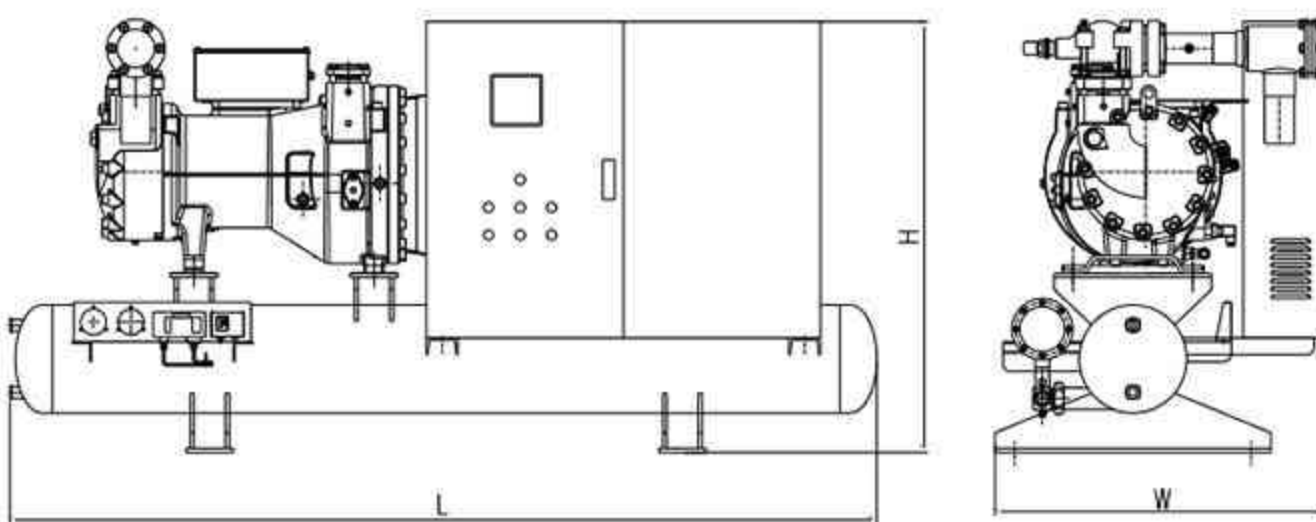
5.1 Water Cooled Single Compressor Rack



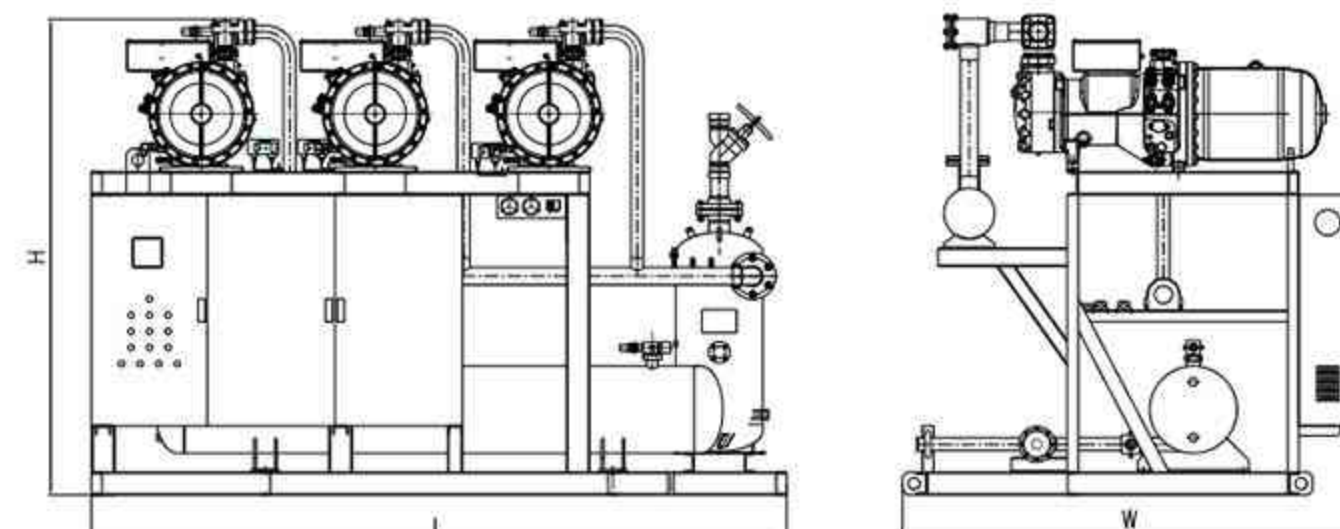
5.2 Water Cooled Compressor Rack



5.3 Air Cooled Single Compressor Rack



5.4 Air Cooled Compressor Rack



HLG-H Series Mid Temperature Screw Compressor racks

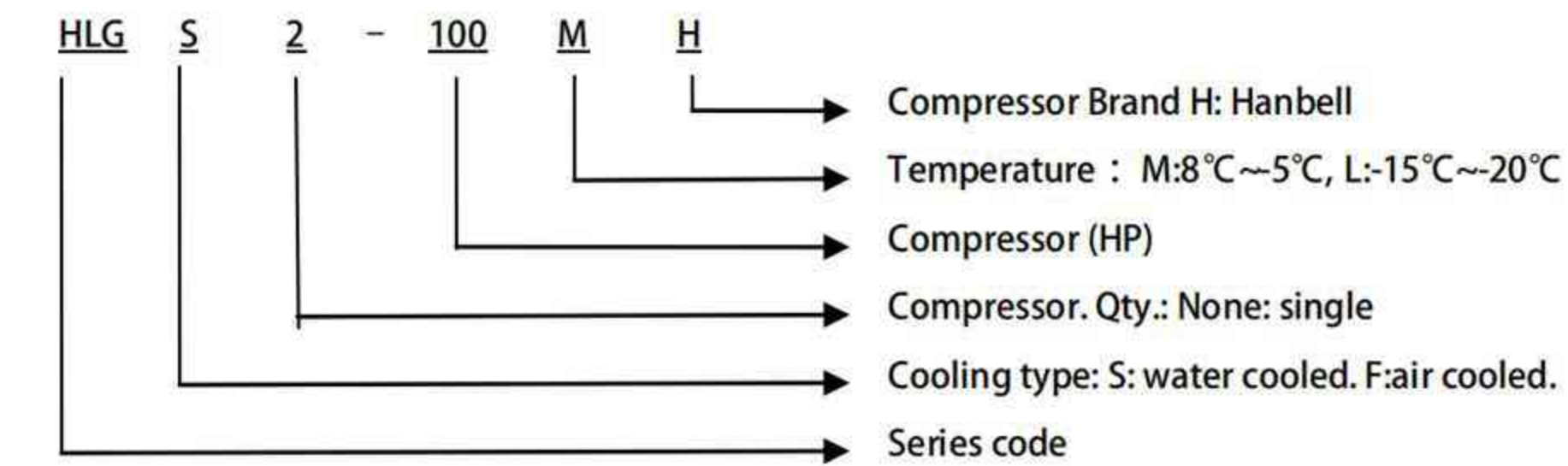
1. Product description

This HLG-H series products are applicable to the large size $-5^{\circ}\text{C}\sim 8^{\circ}\text{C}$ and $-15^{\circ}\text{C}\sim 20^{\circ}\text{C}$ refrigeration system, as the large size fresh keeping cold rooms, ice making, chiller etc.

This Series features Hanbell asymmetrical rotor screw compressors, multi-phase capacity regulation,

All this series products have a complete set protection devices for compressor motor coil, over discharging temperature, low oil level, low oil pressure difference, high/low pressure etc.

2. Model code



3. Main components

HLGS(F) × M single unit:

- Screw Compressor. ● Condenser (only for Water cooled) ● Receiver (only for Air cooled) ● Filter vat ● Sight glasses ● Hydrojet system
- Feed pipe ball valve ● Oil differential pressure protection ● High & Low pressure protector ● Pressure gauge ● High pressure controller (control cooling tower or condenser fan) ● Low pressure sensor (optional) ● Unit control box (Nonshared control unit for screw compressor.)

HLGS(F) × L single unit:

- Screw Compressor. ● Twice oil separate ● Oil separator outlet ball valve ● Oil return sight glasses ● Condenser (only for Water cooled) ● Receiver (only for Air cooled) ● Filter vat ● Sight glasses ● Hydrojet system ● Economizer system ● Oil differential pressure protection ● High-low pressure protector. ● Pressure gauge ● High pressure controller (control cooling tower or condenser fan) ● Low pressure sensor (optional) ● Unit control box (Nonshared control unit for screw Compressor.)

HLGS(F) × M Multi compressor rack :

- Screw Compressor. ● Oil separator ● Oil separator outlet valve ● Return oil system assembly ● Condenser (only for Water-cooling unit) ● Receiver ● Filter vat ● Sight glasses ● Hydrojet system ● Suction Filter ● High pressure protector ● Pressure gauge ● High pressure controller (control cooling tower or condenser fan) ● Low pressure sensor (optional) ● Unit control box (PLC+Touch panel)

HLGS(F) × L Multi compressor rack

- Screw Compressor ● Oil separator ● Oil separator outlet valve ● Return oil system assembly ● Oil cooler (only for Air-cooling unit) ● Condenser (only for Water cooled) ● Receiver ● Filter vat ● Sight glasses ● Hydrojet system ● Suction Filter ● Economizer system ● High-low pressure protector ● Pressure gauge ● High pressure controller (control condensing fan) ● Low pressure sensor (optional) ● Unit control box (PLC+Touch panel)
- Air cooled rack condenser is optional.



4. Specifications:

4.1 Water cooled compressor racks

Model		HLGS-30MH	HLGS-40MH	HLGS-50MH	HLGS-60MH	
Evaporating Temperature(°C)		-5~8				
Refrigerant		R22				
Power supply		380V/50HZ				
Comp.	Type	Semi-Hermetic Screw				
	Comp. Model	RC2-100B	RC2-140B	RC2-180B	RC2-230B	
	Qty.	66%-100%			50%-75%-100%	
Condenser	Type	Shell & Copper Tube				
	Rated water flow(m ³ /h)	18	24	31	42	
	Connect spec.	2-1/2"	2-1/2"	3"	3"	
Cap & Watt	Te 0°C	Cap. (KW)	78.5	107	140.3	186.3
		Input (KW)	22.9	30.2	37.8	50.5
	Te -5°C	Cap. (KW)	64.9	88.5	116.1	154.1
		Input (KW)	21.9	28.9	36.2	48.4
	Te -10°C	Cap. (KW)	55.3	72.7	95.3	126.5
		Input (KW)	21.0	27.7	34.7	46.3
Connect	Liquid dia. (mm)	φ54	φ54	φ66	φ76	
	Gas out dia. (mm)	φ28	φ28	φ35	φ35	
Overall sizes	A(mm)	1700	1700	2150	2300	
	B(mm)	670	670	680	770	
	C(mm)	1100	1100	1100	1250	
	overall size a×b (mm)	1000×390	1000×390	1200×390	1200×450	

Model		HLGS-70MH	HLGS-80MH	HLGS-90MH	HLGS-100MH	
Evaporating Temperature(°C)		-5~8				
Refrigerant		R22				
Power supply		380V/50HZ				
Comp.	Type	Semi-Hermetic Screw				
	Comp. Model	RC2-260B	RC2-310B	RC2-340B	RC2-370B	
	Qty.	50%-75%-100%				
Condenser	Type	Shell & Copper Tube				
	Rated water flow(m ³ /h)	46	56	62	67	
	Connect spec.	4"	4"	5"	5"	
Cap & Watt	Te 0°C	Cap. (KW)	204.5	254.5	278.5	301.5
		Input (KW)	55.1	65.1	71.8	78.2
	Te -5°C	Cap. (KW)	169.1	210.6	230.4	249.4
		Input (KW)	52.7	62.4	69.0	74.9
	Te -10°C	Cap. (KW)	138.9	172.9	189.2	204.8
		Input (KW)	50.4	59.7	66.8	71.8
Connect	Liquid dia. (mm)	φ76	φ76	φ108	φ108	
	Gas out dia. (mm)	φ35	φ42	φ42	φ42	
Overall sizes	A(mm)	2300	2600	2600	2600	
	B(mm)	770	850	850	850	
	C(mm)	1250	1300	1300	1300	
	overall size a×b(mm)	1200×450	1500×500	1500×500	1500×500	

Remark : Cooling capacity and input power under condensing temp. at 40 °C



4.2 Water cooled M/H temp racks

Model		HLGS2-60MH	HLGS2-80MH	HLGS2-100MH	HLGS2-120MH	
Evaporating Temperature(°C)		-5°C~8°C				
Refrigerant		R22				
Power supply		380V/50HZ				
Comp.	Type	Semi-Hermetic Screw				
	Comp. Model	RC2-100B	RC2-140B	RC2-180B	RC2-230B	
	Qty.	2	2	2	2	
Energy adjustment		33%-50%-66%-100%			25%-50%-75%-100%	
Condenser	Type	Shell & Copper Tube				
	Water flow (m ³ /h)	36	48	63	70	
	Connector Size	3"	4"	5"	5"	
Cap & Watt.	Te 0°C	Cap. (KW)	157	214	280.6	372.6
		Input (KW)	45.8	60.4	75.6	101.0
	Te -5°C	Cap. (KW)	129.8	177	232.2	308.2
		Input (KW)	43.8	59.4	72.4	96.8
	Te -10°C	Cap. (KW)	106.6	145.4	190.6	253
		Input (KW)	42.0	55.4	69.4	92.6
Connector	Suction (mm)	φ76	φ89	φ108	φ108	
	Gas out dia. (mm)	φ35	φ35	φ42	φ42	
Overall Size A×B×C(mm)		2300×1550×1470	2300×1550×1470	2650×1750×1470	3090×1850×1860	

Model		HLGS2-140MH	HLGS2-160MH	HLGS2-180MH	HLGS2-200MH	
Evaporating Temperature(°C)		-5°C~8°C				
Refrigerant		R22				
Power supply		380V/50HZ				
Comp.	Type	Semi-Hermetic Screw				
	Comp. Model	RC2-260B	RC2-310B	RC2-340B	RC2-370B	
	Qty.	2	2	2	2	
Energy adjustment		25%-50%-75%-100%				
Condenser	Type	Shell & Copper Tube				
	water flow (m ³ /h)	93	113	125	136	
	Connector Size	6"	6"	5"	6"	
Cap & Watt.	Te 0°C	Cap. (KW)	409	509	557	603
		Input (KW)	110.0	130.2	143.4	156.4
	Te -5°C	Cap. (KW)	338.2	421.2	460.8	498.8
		Input (KW)	105.4	124.8	137.4	149.8
	Te -10°C	Cap. (KW)	277.8	345.8	378.4	409.6
		Input (KW)	100.8	119.4	131.6	143.6
Connector	Suction (mm)	φ108	φ108	φ108	φ133	
	Gas out dia. (mm)	φ54	φ54	φ54	φ54	
Overall Size A×B×C(mm)		3200×1850×1860	3370×2050×1860	3370×2050×1860	3470×2100×2100	



Model	HLGS3-90MH	HLGS3-120MH	HLGS3-150MH	HLGS3-180MH		
Evaporating Temperature(°C)	-5°C~8°C					
Refrigerant	R22					
Power supply	380V/50HZ					
Comp	Type Semi-Hermetic Screw					
	Comp. Model	RC2 -100B	RC2 -140B	RC2 -180B	RC2 -230B	
	Qty.	3	3	3	3	
Energy adjustment	33%-66%-100%			16%-33%-50%-66%-83% -100%		
Condenser	Type Shell & Copper Tube					
	Water flow (m³/h)	55	75	95	130	
	Connector Size	4"	5"	5"	6"	
Cap. & Watt.	Te 0°C	Cap. (KW)	235.5	321	420.9	558.9
		Input (KW)	68.7	90.6	113.4	151.5
	Te -5°C	Cap. (KW)	194.7	265.5	348.3	462.3
		Input (KW)	65.7	86.7	108.6	145.2
	Te -10°C	Cap. (KW)	159.9	218.1	285.9	379.5
		Input (KW)	63.0	83.1	104.1	138.9
Connector	Suction(mm)	2× φ76	2× φ76	2× φ76	2× φ108	
	Gas out dia.. (mm)	φ35	φ42	φ54	φ54	
Overall Size A×B×C(mm)	2800×1750×1470	3000×1750×1780	3200×1750×1790	3700×2100×1860		

Model	HLGS3-210MH	HLGS3-240MH	HLGS3-270MH	HLGS3-300MH		
Evaporating Temperature(°C)	-5°C~8°C					
Refrigerant	R22					
Power supply	380V/50HZ					
Comp.	Type Semi-Hermetic Screw					
	Comp. Model	RC2 -260B	RC2 -310B	RC2 -340B	RC2 -370B	
	Qty.	3	3	3	3	
Energy adjustment	16%-33%-50%-66%-83%-100%					
Condenser	Type Shell & Copper Tube					
	Water flow (m³/h)	140	170	185	200	
	Connector Size	6"	6"	6"	6"	
Cap. & Input	Te 0°C	Cap. (KW)	613.5	763.5	835.5	904.5
		Input (KW)	165.0	195.3	215.4	234.6
	Te -5°C	Cap. (KW)	507.3	631.8	691.2	748.2
		Input (KW)	158.1	187.2	207	224.7
	Te -10°C	Cap. (KW)	416.7	518.7	567.6	614.4
		Input (KW)	151.2	179.1	200.4	215.4
Connector	Suction(mm)	2× φ108	2× φ108	2× φ108	2× φ108	
	Gas out dia. (mm)	φ54	φ66	φ66	φ66	
Overall Size A×B×C(mm)	3930×2100×2100	3930×2100×2100	3930×2200×2100	3930×2200×2100		

Remark : Cooling capacity and input power under condensing temp. at 40 °C



4.3 Water cooled L/M temp racks with single compressor

Model	HLGS-30LH	HLGS-40LH	HLGS-50LH	HLGS-60LH		
Evaporating Temperature(°C)	-15~-20					
Refrigerant	R22					
Power supply	380V/50HZ					
Comp.	Type Semi-Hermetic Screw					
	Comp. Model	RC2 -100B	RC2 -140B	RC2 -180B	RC2 -230B	
	Qty.	66%-100%			50%-75%-100%	
Condenser	Type Shell & Copper Tube					
	Water flow (m³/h)	11	15	18	25	
	Connector Size	2-1/2 "	2-1/2 "	3 "	3 "	
Cap & Watt	Te -20°C	Cap. (KW)	43.3	59.1	77.1	102.9
		Input (KW)	21.5	28.3	35.5	47.3
	Te -25°C	Cap. (KW)	35.4	48.3	63.3	84.7
		Input (KW)	20.8	27.4	34.4	45.9
	Te -30°C	Cap. (KW)	28.6	39	51.2	67.9
		Input (KW)	20.1	26.4	33.2	44.3
Connect	Liquid dia.. (mm)	φ54	φ54	φ66	φ76	
	Gas out dia.. (mm)	φ22	φ22	φ28	φ28	
Overall sizes	A(mm)	1700	1700	2150	2300	
	B(mm)	670	670	680	770	
	C(mm)	1140	1140	1150	1300	
	overall size a×b (mm)	1000×800	1000×800	1200×1000	1200×1000	

Model	HLGS-70LH	HLGS-80LH	HLGS-90LH	HLGS-100LH		
Evaporating Temperature(°C)	-15~-20					
Refrigerant	R22					
Power supply	380V/50HZ					
Comp.	Type Semi-Hermetic Screw					
	Comp. Model	RC2 -260B	RC2 -310B	RC2 -340B	RC2 -370B	
	Qty.	50%-75%-100%				
Condenser	Type Shell & Copper Tube					
	Water flow (m³/h)	27	34	37	40	
	Connector Size	3 "	3 "	4 "	4 "	
Cap & Watt	Te -20°C	Cap. (KW)	112.9	140.6	153.8	166.5
		Input (KW)	51.6	61.1	67.2	73.4
	Te -25°C	Cap. (KW)	92.3	114.9	125.7	136.1
		Input (KW)	50.0	59.3	65.2	71.2
	Te -30°C	Cap. (KW)	74.6	92.9	101.6	110
		Input (KW)	48.2	57.1	62.9	68.6
Connect	Liquid dia.. (mm)	φ76	φ76	φ108	φ108	
	Gas out dia.. (mm)	φ28	φ35	φ35	φ35	
Overall sizes	A(mm)	2300	2600	2600	2600	
	B(mm)	770	850	850	850	
	C(mm)	1300	1350	1350	1300	
	overall size a×b (mm)	1200×1000	1500×1300	1500×1300	1500×1300	

Remark: Cooling capacity and input power under condensing temp. at 40 °C.



4.4 Water cooled L/M temp. racks

Model	HLGS2-60LH	HLGS2-80LH	HLGS2-100LH	HLGS2-120LH		
Evaporating Temperature(°C)	-15°C~-20°C					
Refrigerant	R22					
Power supply	380V/50HZ					
Compressor	Type Semi-Hermetic Screw					
	Comp. Model	RC2-100B	RC2-140B	RC2-180B	RC2-230B	
	Qty.	2	2	2	2	
Energy adjustment	33%-50%-66%-100%			25%-50%-75%-100%		
Condenser	Type Shell & Copper Tube					
	Water flow (m ³ /h)	22	30	38	50	
	Connector Size	3 "	3 "	4 "	5 "	
Cap. & Watt.	Te -20°C	Cap. (KW)	86.6	118.2	155	205.8
		Input (KW)	43.0	56.6	71.0	94.6
	Te -25°C	Cap. (KW)	70.8	96.6	126.6	168.2
		Input (KW)	41.6	54.8	68.8	91.8
	Te -30°C	Cap. (KW)	57.2	78	102.4	135.8
		Input (KW)	40.2	52.8	66.4	88.6
Connector	Suction (mm)	φ76	φ89	φ108	φ108	
	Gas out dia.. (mm)	φ35	φ35	φ42	φ42	
Overall Size A×B×C(mm)	2300×1750×1470	2300×1750×1470	2650×1950×1470	3090×1950×1860		

Model	HLGS2-140LH	HLGS2-160LH	HLGS2-180LH	HLGS2-200LH		
Evaporating Temperature(°C)	-15°C~-20°C					
Refrigerant	R22					
Power supply	380V/50HZ					
Compressor	Type Semi-Hermetic Screw					
	Comp. Model	RC2-260B	RC2-310B	RC2-340B	RC2-370B	
	Qty.	2	2	2	2	
Energy adjustment	25%-50%-75%-100%					
Condenser	Type Shell & Copper Tube					
	Water flow (m ³ /h)	55	68	75	80	
	Connector Size	5 "	5 "	5 "	5 "	
Cap. & Watt.	Te -20°C	Cap. (KW)	225.8	281.2	307.6	333
		Input (KW)	103.2	122.2	134.4	146.8
	Te -25°C	Cap. (KW)	184.6	229.8	251.4	272.2
		Input (KW)	100.0	118.6	130.4	142.4
	Te -30°C	Cap. (KW)	149.2	185.8	203.2	220
		Input (KW)	96.4	114.2	125.8	137.2
Connector	Suction (mm)	φ108	φ108	φ108	φ133	
	Gas out dia.. (mm)	φ54	φ54	φ54	φ54	
Overall Size A×B×C(mm)	3290×1950×1860	3370×2050×1860	3370×2050×1860	3470×2100×2100		

Model	HLGS3-90LH	HLGS3-120LH	HLGS3-150LH	HLGS3-180LH		
Evaporating Temperature(°C)	-15°C~-20°C					
Refrigerant	R22					
Power supply	380V/50HZ					
Compressor	Type Semi-Hermetic Screw					
	Comp. Model	RC2-100B	RC2-140B	RC2-180B	RC2-230B	
	Qty.	3	3	3	3	
Energy adjustment	33%-66%-100%			16%-33%-50%-66%-83%-100%		
Condenser	Type Shell & Copper Tube					
	Water flow (m ³ /h)	33	45	57	76	
	Connector Size	3 "	4 "	5 "	5 "	
Cap. & Watt.	Te -20°C	Cap. (KW)	129.9	177.3	232.5	308.7
		Input (KW)	64.5	84.9	106.5	141.9
	Te -25°C	Cap. (KW)	106.2	174.9	189.9	252.3
		Input (KW)	62.4	82.2	103.2	137.7
	Te -30°C	Cap. (KW)	85.8	117	153.6	203.7
		Input (KW)	60.3	79.2	99.6	132.9
Connector	Suction (mm)	2×φ76	2×φ76	2×φ76	2×φ108	
	Gas out dia.. (mm)	φ35	φ42	φ42	φ54	
Overall Size A×B×C(mm)	2800×1950×1470	3000×1950×1780	3200×1950×1790	3700×2100×1860		

Model	HLGS3-210LH	HLGS3-240LH	HLGS3-270LH	HLGS3-300LH		
Evaporating Temperature(°C)	-15°C~-20°C					
Refrigerant	R22					
Power supply	380V/50HZ					
Compressor	Type Semi-Hermetic Screw					
	Comp. Model	RC2-260B	RC2-310B	RC2-340B	RC2-370B	
	Qty.	3	3	3	3	
Energy adjustment	16%-33%-50%-66%-83%-100%					
Condenser	Type Shell & Copper Tube					
	Water flow (m ³ /h)	83	102	112	121	
	Connector Size	5 "	6 "	6 "	6 "	
Cap. & Watt.	Te -20°C	Cap. (KW)	338.7	421.8	461.4	499.5
		Input (KW)	154.8	183.3	201.6	220.2
	Te -25°C	Cap. (KW)	276.9	344.7	377.1	408.3
		Input (KW)	150.0	177.9	195.6	213.6
	Te -30°C	Cap. (KW)	223.8	278.7	304.8	330
		Input (KW)	144.6	171.3	188.7	205.8
Connector	Suction (mm)	2×φ108	2×φ108	2×φ108	2×φ108	
	Gas out dia.. (mm)	φ54	φ54	φ54	φ54	
Overall Size A×B×C(mm)	3930×2100×2100	3930×2100×2100	3930×2200×2100	3930×2200×2100		

Remark : Cooling capacity and input power under condensing temp. at 40 °C



4.5 Water cooled M/H temp racks :

Model		HLGF-30MH	HLGF-40MH	HLGF-50MH	HLGF-60MH	
Evaporating Temperature(°C)		-5°C~8°C				
Refrigerant		R22				
Power supply		380V/50HZ				
Comp.	Type	Semi-Hermetic Screw				
	Comp. Model	RC2 -100B	RC2 -140B	RC2 -180B	RC2 -230B	
	Qty.	66%-100%		50%-75%-100%		
Cap & Watt	Te 0°C	Cap. (KW)	73.3	99.9	131.1	174
		Input (KW)	25.0	32.9	41.2	55.1
	Te -5°C	Cap. (KW)	60.4	82.4	108.1	143.5
		Input (KW)	23.9	31.5	39.5	52.7
	Te -10°C	Cap. (KW)	49.5	67.5	88.5	117.5
		Input (KW)	22.9	30.2	37.8	50.5
Connect	Liquid dia.. (mm)	φ54	φ54	φ66	φ76	
	Gas out dia.. (mm)	φ22	φ28	φ28	φ42	
	Discharge (mm)	φ42	φ42	φ42	φ54	
	Liquid in(mm)	φ26	φ35	φ35	φ35	
Overall Size	A(mm)	1700	1700	2150	2300	
	B(mm)	670	670	680	770	
	C(mm)	1100	1100	1100	1250	
	overall size a×b (mm)	1000×390	1000×390	1200×390	1200×390	

Model		HLGF-70MH	HLGF-80MH	HLGF-90MH	HLGF-100MH	
Evaporating Temperature(°C)		-5°C~8°C				
Refrigerant		R22				
Power supply		380V/50HZ				
Comp.	Type	Semi-Hermetic Screw				
	Comp. Model	RC2 -260B	RC2 -310B	RC2 -340B	RC2 -370B	
	Qty.	50%-75%-100%				
Cap & Watt	Te 0°C	Cap. (KW)	190.9	237.7	260.1	281.6
		Input (KW)	60.0	71.0	78.2	85.3
	Te -5°C	Cap. (KW)	157.5	196.1	214.6	232.3
		Input (KW)	57.5	68.0	74.9	81.7
	Te -10°C	Cap. (KW)	129.0	160.6	171.7	190.2
		Input (KW)	55.0	65.2	71.8	78.3
Connect	Liquid dia.. (mm)	φ76	φ76	φ108	φ108	
	Gas out dia.. (mm)	φ42	φ42	φ42	φ42	
	Discharge (mm)	φ54	φ54	φ66	φ66	
	Liquid in (mm)	φ35	φ54	φ54	φ54	
Overall Size	A(mm)	2300	2600	2600	2600	
	B(mm)	770	850	850	850	
	C(mm)	1250	1300	1300	1300	
	overall size a×b(mm)	1200×450	1200×450	1500×500	1500×500	

Remark : Cooling capacity and input power under condensing temp. at 45 °C



4.6 Air cooled M/H temp racks

Model		HLGF2-60MH	HLGF2-80MH	HLGF2-100MH	HLGF2-120MH	
Evaporating Temperature(°C)		-5°C~8°C				
Refrigerant		R22				
Power supply		380V/50HZ				
Comp.	Type	Semi-Hermetic Screw				
	Comp. Model	RC2 -100B	RC2 -140B	RC2 -180B	RC2 -230B	
	Qty.	2	2	2	2	
Energy adjustment		33%-50%-66%-100%			25%-50%-75%-100%	
Cap & Input	Te 0°C	Cap. (KW)	146.6	199.8	262.2	348
		Input (KW)	50.0	65.8	82.4	100.2
	Te -5°C	Cap. (KW)	120.8	164.8	216.2	287
		Input (KW)	47.8	63.0	79.0	105.4
	Te -10°C	Cap. (KW)	99	135	183.6	235
		Input (KW)	45.8	60.4	75.6	101.0
Connector	Liquid dia.. (mm)	φ76	φ76	φ108	φ108	
	Gas out dia.. (mm)	φ42	φ42	φ54	φ54	
	Discharge (mm)	φ42	φ42	φ76	φ76	
	Liquid in (mm)	φ35	φ35	φ42	φ42	
Overall Size A×B×C(mm)		2300×1500×1460	2300×1500×1460	2650×1650×1470	3090×1850×1860	

Model		HLGF2-140MH	HLGF2-160MH	HLGF2-180MH	HLGF2-200MH	
Evaporating Temperature(°C)		-5°C~8°C				
Refrigerant		R22				
Power supply		380V/50HZ				
Comp.	Type	Semi-Hermetic Screw				
	Comp. Model	RC2 -260B	RC2 -310B	RC2 -340B	RC2 -370B	
	Qty.	2	2	2	2	
Energy Saving		25%-50%-75%-100%				
Cap & Input	Te 0°C	Cap. (KW)	381.8	475.4	520.2	563.2
		Input (KW)	120.0	142.0	156.4	170.6
	Te -5°C	Cap. (KW)	315	392.2	429.2	464.6
		Input (KW)	115.0	136.0	149.8	163.4
	Te -10°C	Cap. (KW)	258	321.2	351.4	380.4
		Input (KW)	110.0	130.4	143.6	156.6
Connector	Liquid dia.. (mm)	φ108	φ108	φ108	φ133	
	Gas out dia.. (mm)	φ54	φ54	φ54	φ54	
	Discharge (mm)	φ76	φ76	φ76	φ108	
	Liquid in (mm)	φ54	φ54	φ54	φ66	
Overall Size A×B×C(mm)		3290×1850×1860	3370×2050×1860	3370×2050×1860	3470×2100×2100	



Model		HLGF3-90MH	HLGF3-120MH	HLGF3-150MH	HLGF3-180MH	
Evaporating Temperature(°C)		-5°C~8°C				
Refrigerant		R22				
Power supply		380V/50HZ				
Comp.	Type	Semi-Hermetic Screw				
	Comp. Model	RC2-100B	RC2-140B	RC2-180B	RC2-230B	
	Qty.	3	3	3	3	
Energy Saving		33%-66%-100%			16%-33%-50%-66%-83%-100%	
Cap. & Input	Te 0°C	Cap. (KW)	219.9	299.7	393.3	522
		Input (KW)	75.0	98.7	123.6	165.3
	Te -5°C	Cap. (KW)	181.2	247.2	324.3	430.5
		Input (KW)	71.7	94.5	118.5	158.1
	Te -10°C	Cap. (KW)	148.2	202.5	265.5	352.5
		Input (KW)	68.7	90.6	113.4	151.5
Connector	Liquid dia.. (mm)	2×φ76	2×φ76	2×φ76	2×φ108	
	Gas out dia.. (mm)	φ35	φ42	φ54	φ54	
	Discharge (mm)	φ42	φ76	φ76	φ76	
	Liquid in (mm)	φ42	φ54	φ54	φ66	
Overall Size A×B×C(mm)		2800×1500×1470	3000×1600×1780	3200×1700×1790	3700×1900×1860	

Model		HLGF3-210MH	HLGF3-240MH	HLGF3-270MH	HLGF3-300MH	
Evaporating Temperature(°C)		-5°C~8°C				
Refrigerant		R22				
Power supply		380V/50HZ				
Comp.	Type	Semi-Hermetic Screw				
	Comp. Model	RC2-260B	RC2-310B	RC2-340B	RC2-370B	
	Qty.	3	3	3	3	
Energy Saving		16%-33%-50%-66%-83%-100%				
Cap. & Input	Te 0°C	Cap. (KW)	572.7	713.1	780.3	844.8
		Input (KW)	180.0	213.0	234.6	255.9
	Te -5°C	Cap. (KW)	472.5	583.3	643.8	696.9
		Input (KW)	172.5	204.0	224.7	245.1
	Te -10°C	Cap. (KW)	387	481.8	527.1	570.6
		Input (KW)	165.0	195.6	215.4	234.9
Connector	Liquid dia.. (mm)	2×φ108	2×φ108	2×φ108	2×φ108	
	Gas out dia.. (mm)	φ54	φ66	φ66	φ66	
	Discharge (mm)	φ108	φ108	φ108	φ108	
	Liquid in (mm)	φ66	φ66	φ66	φ66	
Overall Size A×B×C(mm)		3930×2050×2100	3930×2040×2100	3930×2140×2100	3930×2140×2100	

Remark : Cooling capacity and input power under condensing temp. at 45 °C

4.7 Air cooled L/M temp. racks

Model		HLGF-30LH	HLGF-40LH	HLGF-50LH	HLGF-60LH	
Evaporating Temperature(°C)		-15~-20				
Refrigerant		R22				
Power supply		380V/50HZ				
Comp.	Type	Semi-Hermetic Screw				
	Comp. Model	RC2-100B	RC2-140B	RC2-180B	RC2-230B	
	Qty.	66%-100%			50%-75%-100%	
Cap & Watt	Te -20°C	Cap. (KW)	41.2	56.2	73.8	97.9
		Input (KW)	23.8	31.4	39.4	52.5
	Te -25°C	Cap. (KW)	33.7	45.9	60.2	79.9
		Input (KW)	23.1	30.4	38.1	50.9
	Te -30°C	Cap. (KW)	27.2	37	48.6	64.5
		Input (KW)	21.5	28.7	36.8	49.1
Connect	Liquid dia.. (mm)	φ54	φ54	φ66	φ76	
	Gas out dia.. (mm)	φ22	φ22	φ28	φ28	
	Discharge (mm)	φ42	φ42	φ42	φ54	
	Liquid in (mm)	φ28	φ35	φ35	φ35	
Overall Size	A (mm)	1700	1700	2150	2300	
	B(mm)	670	670	680	770	
	C(mm)	1140	1140	1150	1300	
overall size a×b (mm)		1000×390	1000×390	1200×390	1200×450	

Model		HLGF-70LH	HLGF-80LH	HLGF-90LH	HLGF-100LH	
Evaporating Temperature(°C)		-15~-20				
Refrigerant		R22				
Power supply		380V/50HZ				
Comp.	Type	Semi-Hermetic Screw				
	Comp. Model	RC2-260B	RC2-310B	RC2-340B	RC2-370B	
	Qty.	50%-75%-100%				
Cap & Watt	Te -20°C	Cap. (KW)	107.5	133.8	146.4	158.5
		Input (KW)	51.6	67.8	74.6	81.4
	Te -25°C	Cap. (KW)	87.7	109.2	119.5	129.3
		Input (KW)	55.4	65.6	72.2	78.8
	Te -30°C	Cap. (KW)	70.8	88.1	96.4	104.3
		Input (KW)	44.5	52.8	58.1	63.4
Connect	Liquid dia.. (mm)	φ76	φ76	φ108	φ108	
	Gas out dia.. (mm)	φ28	φ35	φ42	φ42	
	Discharge (mm)	φ54	φ54	φ66	φ66	
	Liquid in (mm)	φ35	φ42	φ42	φ42	
Overall Size	A(mm)	2300	2600	2600	2600	
	B(mm)	770	850	850	850	
	C(mm)	1300	1350	1350	1300	
overall size a×b(mm)		1200×450	1500×500	1500×500	1500×500	

Remark : Cooling capacity and input power under condensing temp. at 45 °C



4.8 Air cooled L/M temp. racks

Model		HLGF2-60LH	HLGF2-80LH	HLGF2-100LH	HLGF2-120LH	
Evaporating Temperature(°C)		-15°C~-20°C				
Refrigerant		R22				
Power supply		380V/50HZ				
Comp.	Type	Semi-Hermetic Screw				
	Comp. Model	RC2 -100B	RC2 -140B	RC2 -180B	RC2 -230B	
	Qty.	2	2	2	2	
Energy Saving		33%-50%-66%-100%			25%-50%-75%-100%	
Cap. & Input	Te -20°C	Cap. (KW)	82.4	112.4	147.6	195.8
		Input (KW)	47.6	62.8	78.8	105.0
	Te -25°C	Cap. (KW)	67.4	91.8	120.4	159.8
		Input (KW)	46.2	60.8	76.2	101.8
	Te -30°C	Cap. (KW)	54.4	74	97.2	129
		Input (KW)	43.0	57.4	73.6	98.2
Connector	Liquid dia.. (mm)	φ76	φ76	φ108	φ108	
	Gas out dia.. (mm)	φ35	φ35	φ42	φ42	
	Discharge (mm)	φ54	φ54	φ76	φ76	
	Liquid in (mm)	φ42	φ44	φ54	φ54	
	Overall Size A×B×C(mm)	2300×1500×1460	2300×1500×1460	2650×1650×1470	3090×1850×1860	

Model		HLGF2-140LH	HLGF2-160LH	HLGF2-180LH	HLGF2-200LH	
Evaporating Temperature(°C)		-15°C~-20°C				
Refrigerant		R22				
Power supply		380V/50HZ				
Comp.	Type	Semi-Hermetic Screw				
	Comp. Model	RC2 -260B	RC2 -310B	RC2 -340B	RC2 -370B	
	Qty.	2	2	2	2	
Energy Saving		25%-50%-75%-100%				
Cap. & Input	Te -20°C	Cap. (KW)	215	267.6	292.8	317
		Input (KW)	103.2	135.6	149.2	162.8
	Te -25°C	Cap. (KW)	175.4	218.4	239	258.6
		Input (KW)	110.8	131.2	144.4	152
	Te -30°C	Cap. (KW)	141.6	176.2	192.8	195.2
		Input (KW)	107.0	126.6	139.4	152.0
Connector	Liquid dia.. (mm)	φ108	φ108	φ108	φ133	
	Gas out dia.. (mm)	φ42	φ54	φ54	φ54	
	Discharge (mm)	φ76	φ76	φ76	φ108	
	Liquid in (mm)	φ54	φ54	φ54	φ66	
	Overall Size A×B×C(mm)	3290×1850×1860	3370×2010×1860	3370×2010×1860	3470×2100×2100	



Model		HLGF3-90LH	HLGF3-120LH	HLGF3-150LH	HLGF3-180LH	
Evaporating Temperature(°C)		-15°C~-20°C				
Refrigerant		R22				
Power supply		380V/50HZ				
Comp.	Type	Semi-Hermetic Screw				
	Comp. Model	RC2 -100B	RC2 -140B	RC2 -180B	RC2 -230B	
	Qty.	3	3	3	3	
Energy Saving		33%-66%-100%			16%-33%-50%-66%-83%-100%	
Cap. & Input	Te -20°C	Cap. (KW)	123.6	168.6	211.4	293.7
		Input (KW)	71.4	94.2	118.2	157.5
	Te -25°C	Cap. (KW)	101.1	137.7	180.6	239.7
		Input (KW)	69.3	91.2	114.3	152.7
	Te -30°C	Cap. (KW)	81.6	111	145.8	193.5
		Input (KW)	64.5	86.1	110.4	147.3
Connector	Liquid dia.. (mm)	2×φ66	2×φ76	2×φ76	2×φ108	
	Gas out dia.. (mm)	φ35	φ42	φ54	φ54	
	Discharge (mm)	φ54	φ76	φ89	φ76	
	Liquid in (mm)	φ42	φ42	φ42	φ54	
	Overall Size A×B×C(mm)	2800×1570×1460	3000×1630×1780	3200×1690×1790	3700×1910×1860	

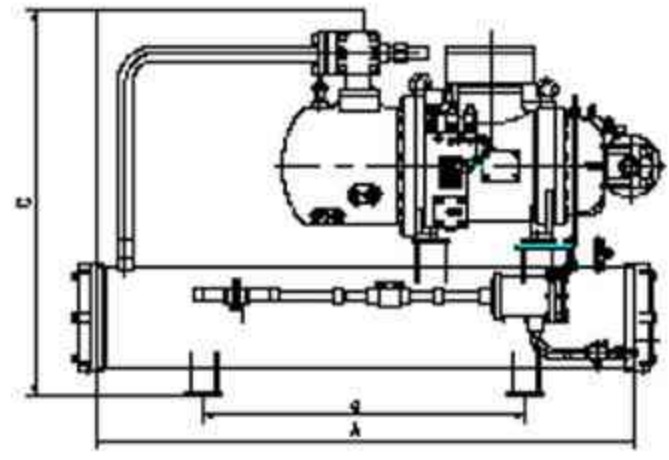
Model		HLGF3-210LH	HLGF3-240LH	HLGF3-270LH	HLGF3-300LH	
Evaporating Temperature(°C)		-15°C~-20°C				
Refrigerant		R22				
Power supply		380V/50HZ				
Comp.	Type	Semi-Hermetic Screw				
	Comp. Model	RC2 -260B	RC2 -310B	RC2 -340B	RC2 -370B	
	Qty.	3	3	3	3	
Energy Saving		16%-33%-50%-66%-83%-100%				
Cap. & Input	Te -20°C	Cap. (KW)	322.5	401.4	439.2	475.5
		Input (KW)	154.8	203.4	223.8	244.2
	Te -25°C	Cap. (KW)	263.1	327.6	358.5	387.9
		Input (KW)	166.2	196.8	216.6	236.4
	Te -30°C	Cap. (KW)	212.4	264.3	289.2	312.9
		Input (KW)	160.5	189.9	209.1	228.0
Connector	Liquid dia.. (mm)	2×φ108	2×φ108	2×φ108	2×φ108	
	Gas out dia.. (mm)	φ54	φ54	φ54	φ54	
	Discharge (mm)	φ108	φ108	φ108	φ108	
	Liquid in (mm)	φ54	φ66	φ66	φ66	
	Overall Size A×B×C(mm)	3930×2040×2100	3930×2040×2100	3930×2140×2100	3930×2140×2100	

Remark : Cooling capacity and input power under condensing temp. at 45 °C

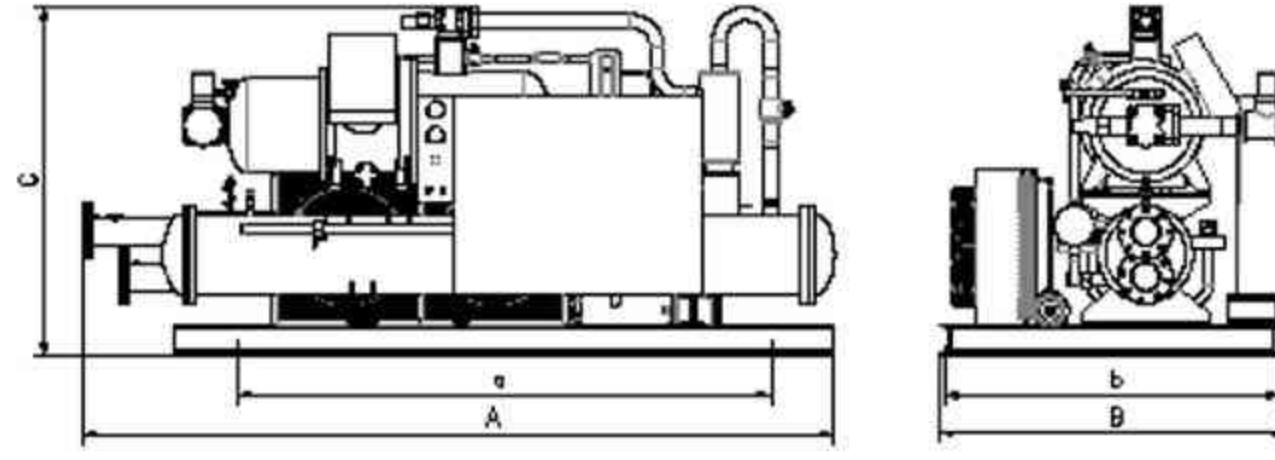


5. Diagrams for Overall sizes

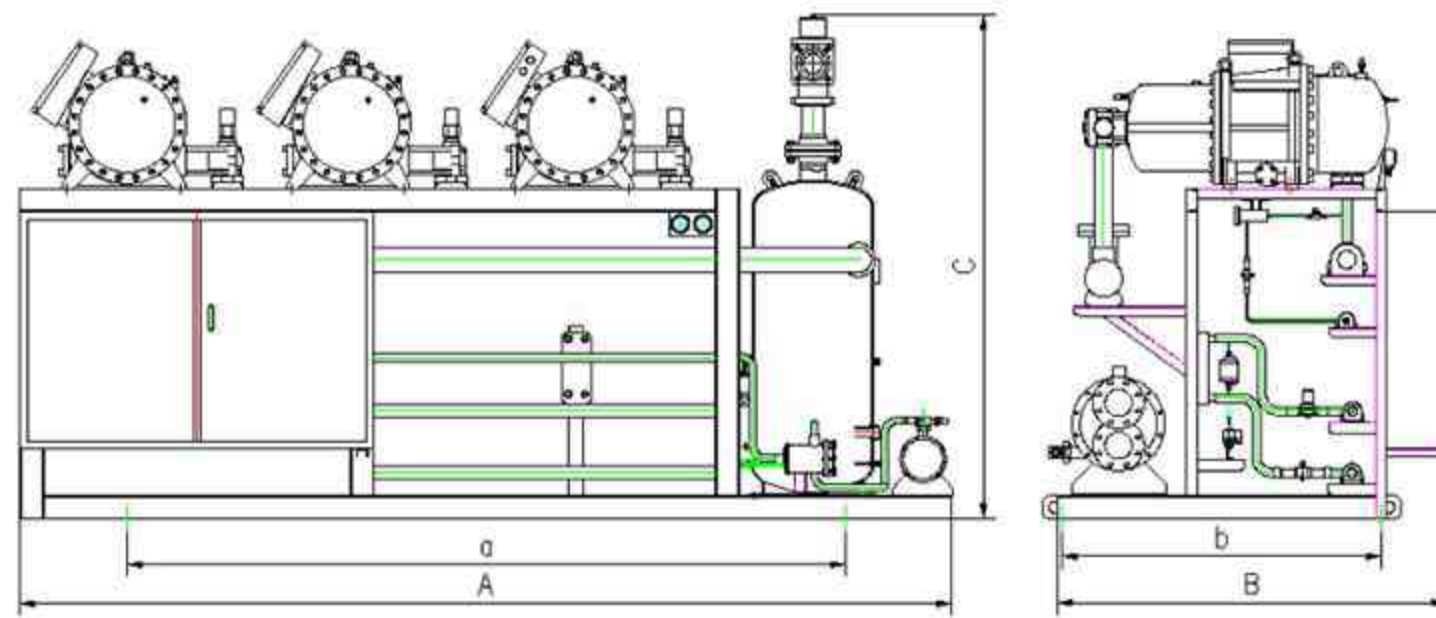
1) HLGS××MH with single compressor:



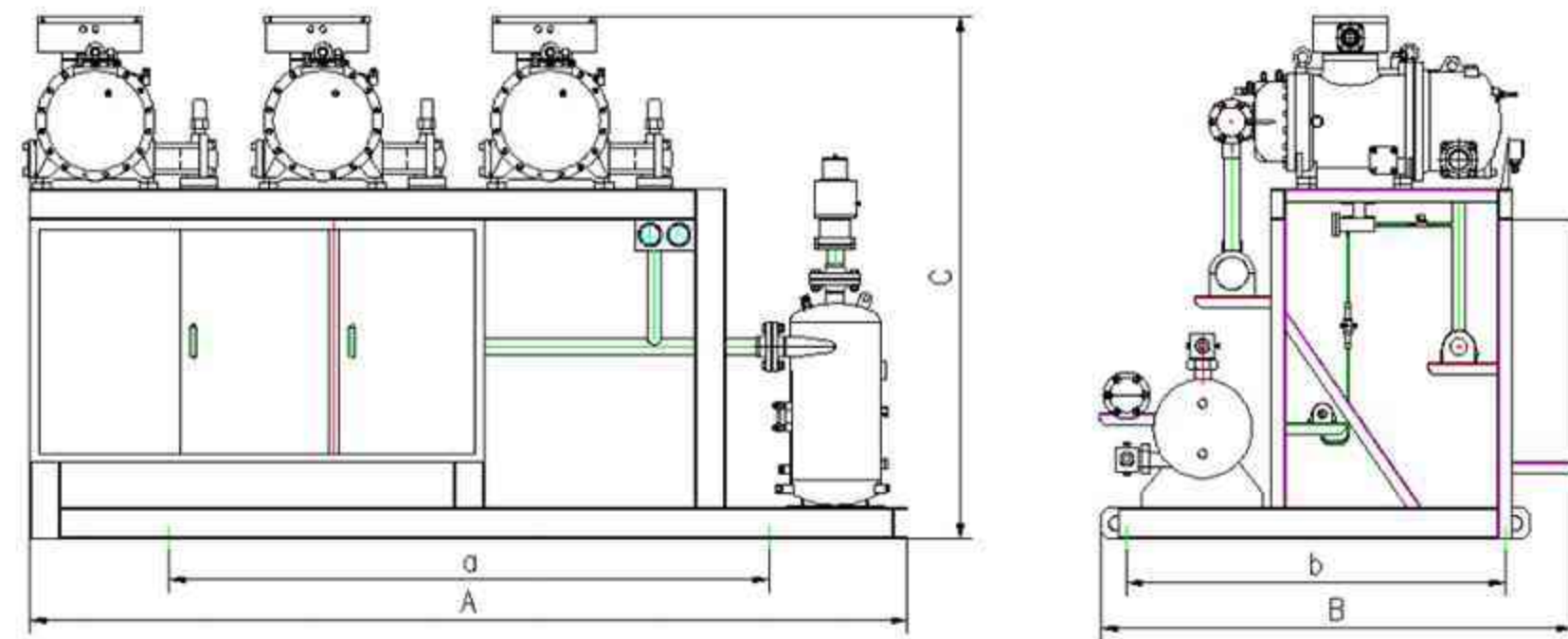
2) HLGS××LH with single compressor:



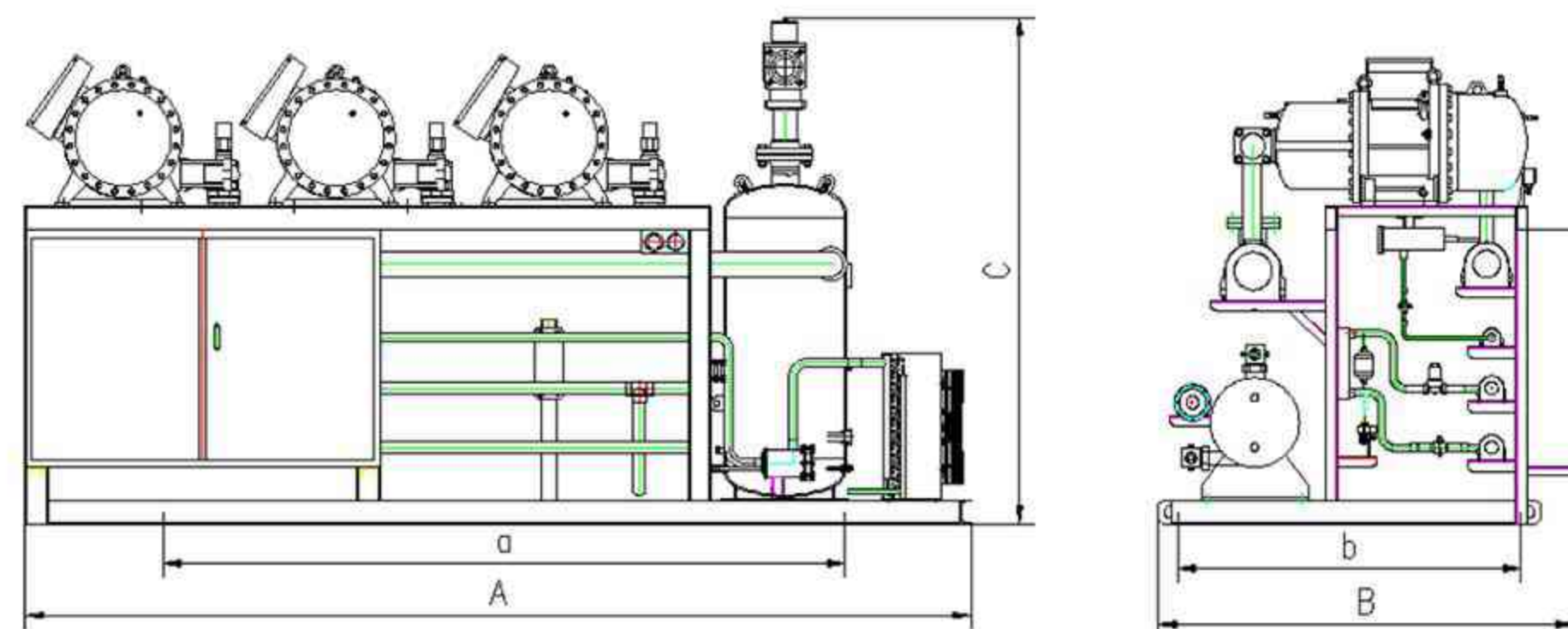
3) HLGS×××H water cooled racks :



4) HLG F×××MH air cooled racks :



5) HLG F×××LH air cooled racks :



HLG-F Series 2 stage Screw Compressor racks

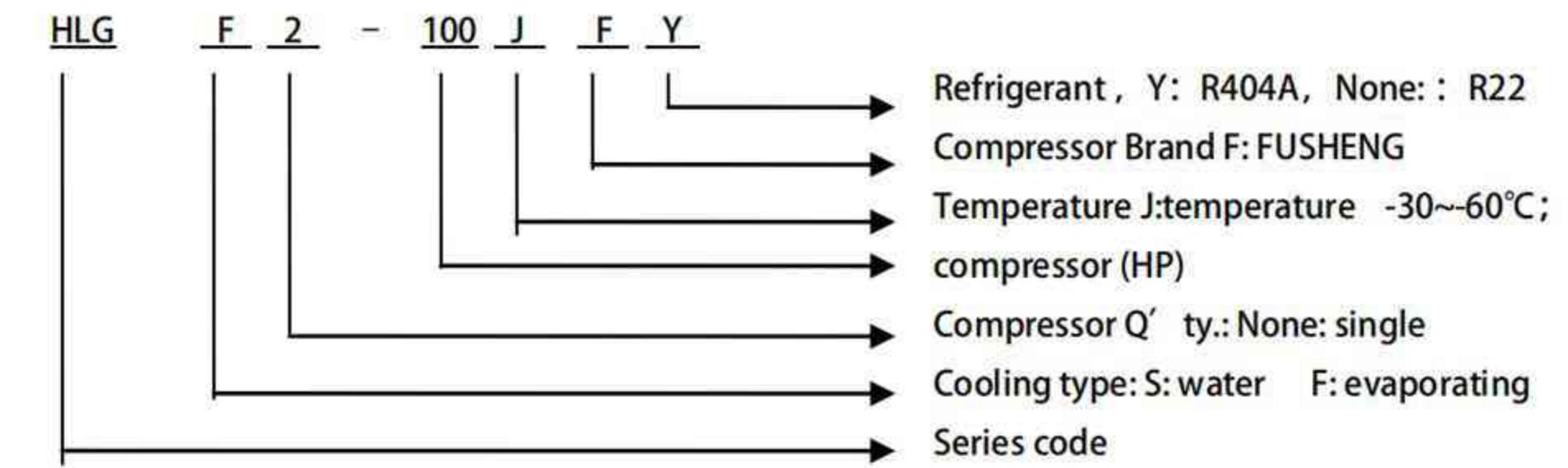
1. Product description

This HLG-F series products features 2 stage screw compressors, are applicable to fast freezing tunnel and fast freezing cold rooms.

This Series features 2 stage screw compressors, resulted a high efficiency, low vibration, and high reliability.

- ◆ Compared with the single stage compressor, the EER is higher by 50%.
- ◆ It can work at the lowest evaporation temperature, for R22 at -60°C, for R404a at -65°C.
- ◆ All this series products have a complete set protection devices for Over heating, over loading, wrong phase sequency, oil and high/low pressure etc.
- ◆ By PLC controller, to adjust capacity according to cooling capacity required for energy saving.

2. Model code



3. Main components

- Twostage screw Compressor.
- Oil separator
- Oil pump(only for parallel unit)
- Oil cooler
- Condenser(only for water -cooling)
- Receiver
- Filter vat
- Sight glasses
- intercooler
- Liquid valve
- Gas separator
- Suction Filter
- Highlow pressure protector
- Pressure gauge
- Unit control box(PLC)

(Condenser is optional for evaporative condenser)



4. Specifications:

4.1 Refrigerant R22:

4.1.1 Water cooled Condensing Units :

Model		HLGS-60JF	HLGS-96JF	HLGS-125JF	HLGS2-120JF	
Evaporating Temperature(°C)		-30~-60				
Refrigerant		R22				
Power supply		380V/50HZ				
Comp.	Type	semi-hermetic 2 -stage screw				
	Comp. Model	SDL220B	SDL330B	SDL450B	SDL220B	
	Qty.	1	1	1	2	
Condenser	Capacity (KW)	Shell & Copper Tube				
	Oil Cooler Type	25	35	50	50	
	Oil Cooler Water flow (m³/h)	DN65	DN80	DN100	DN100	
Cap. & Watt	Oil Cooler Connector (mm)	DN32	DN32	DN32	DN40	
	Te -30°C	Cap. (KW)	91.8	136.9	184.1	183.6
		Input (KW)	45.4	66.8	88	90.8
	Te -40°C	Cap. (KW)	63.9	93.9	125.2	127.8
		Input (KW)	42.2	61.1	80	84.4
	Te -50°C	Cap. (KW)	41.3	59.6	78.7	82.6
		Input (KW)	42.6	60.7	79.9	85.2
	Te -60°C	Cap. (KW)	22.0	32.0	43.5	44.0
		Input (KW)	28.7	41.8	56.8	57.4
	Liquid dia. (mm)		DN65	DN80	DN100	DN100
Gas out dia. (mm)		φ28	φ35	φ42	φ42	
Overall Size (L×W×H)		2100×1200×1650	2100×1200×1900	2600×1200×1900	3100×2100×2200	

Model		HLGS2-192JF	HLGS2-250JF	HLGS3-288JF	HLGS3-375JF	
Evaporating Temperature(°C)		-30~-60				
Refrigerant		R22				
Power supply		380V/50HZ				
Comp.	Type	semi-hermetic 2 -stage screw				
	Comp. Model	SDL330B	SDL450B	SDL330B	SDL450B	
	Qty.	2	2	3	3	
Condenser	Capacity (KW)	Shell & Copper Tube				
	Oil Cooler Type	70	100	105	150	
	Oil Cooler Water flow (m³/h)	DN100	DN125	DN125	DN150	
Connector	Oil Cooler Connector (mm)	DN40	DN50	DN50	DN50	
	Te -30°C	Cap. (KW)	273.8	368.2	410.7	552.3
		Input (KW)	133.6	176	200.4	264
	Te -40°C	Cap. (KW)	187.8	250.4	281.7	375.6
		Input (KW)	132.2	160	198.3	240
	Te -50°C	Cap. (KW)	119.2	157.4	178.8	236.1
		Input (KW)	121.4	159.8	182.1	239.7
	Te -60°C	Cap. (KW)	64.0	87.0	96.0	130.5
		Input (KW)	83.6	113.6	125.4	170.4
	Liquid dia. (mm)		DN125	DN100×2	DN100×2	DN125×2
Gas out dia. (mm)		φ54	φ54	φ54	φ67	
Overall Size (A×B×C)		3100×2100×2200	3400×2100×2200	4200×2100×2200	4200×2100×2200	

Remark : 1) Cooling capacity and input power under condensing temp. at 40 °C 2) Rated water flow including water for oiler cooler.

4.1.2 Evaporative Condensing Units:

Model		HLGF-60JF	HLGF-96JF	HLGF-125JF	HLGF2-120JF	
Evaporating Temperature(°C)		-30~-60				
Refrigerant		R22				
Power supply		380V/50HZ				
Comp.	Type	semi-hermetic 2 -stage screw				
	Comp. Model	SDL220B	SDL330B	SDL450B	SDL220B	
	Qty.	1	1	1	2	
Condenser	Type	Evaporative Condenser				
	Capacity (KW)	150	210	290	290	
	Oil Cooler Type	Shell and Copper Tube				
	Oil Cooler Water flow (m³/h)	3	4	5	6	
Connector	Oil Cooler Connector (mm)	DN32	DN32	DN32	DN40	
	Te -30°C	Cap. (KW)	94.7	142.7	190.1	189.4
		Input (KW)	40.5	59.8	78.7	81
	Te -40°C	Cap. (KW)	65.7	97.7	128.8	131.4
		Input (KW)	37.3	54.4	70.5	74.6
	Te -50°C	Cap. (KW)	42.3	61.7	80.4	84.6
Input (KW)		37.1	53.2	69.3	74.2	

Overall sizes	Liquid dia. (mm)	DN65	DN80	DN100	DN100
	Gas out dia. (mm)	φ28	φ35	φ42	φ42
	Discharge (mm)	DN50	DN80	DN80	DN80
	Liquid in (mm)	φ35	φ42	φ54	φ54
	Overall Size (A×B×C)	2100×1200×1650	2100×1200×1900	2600×1200×1900	3100×2100×2200

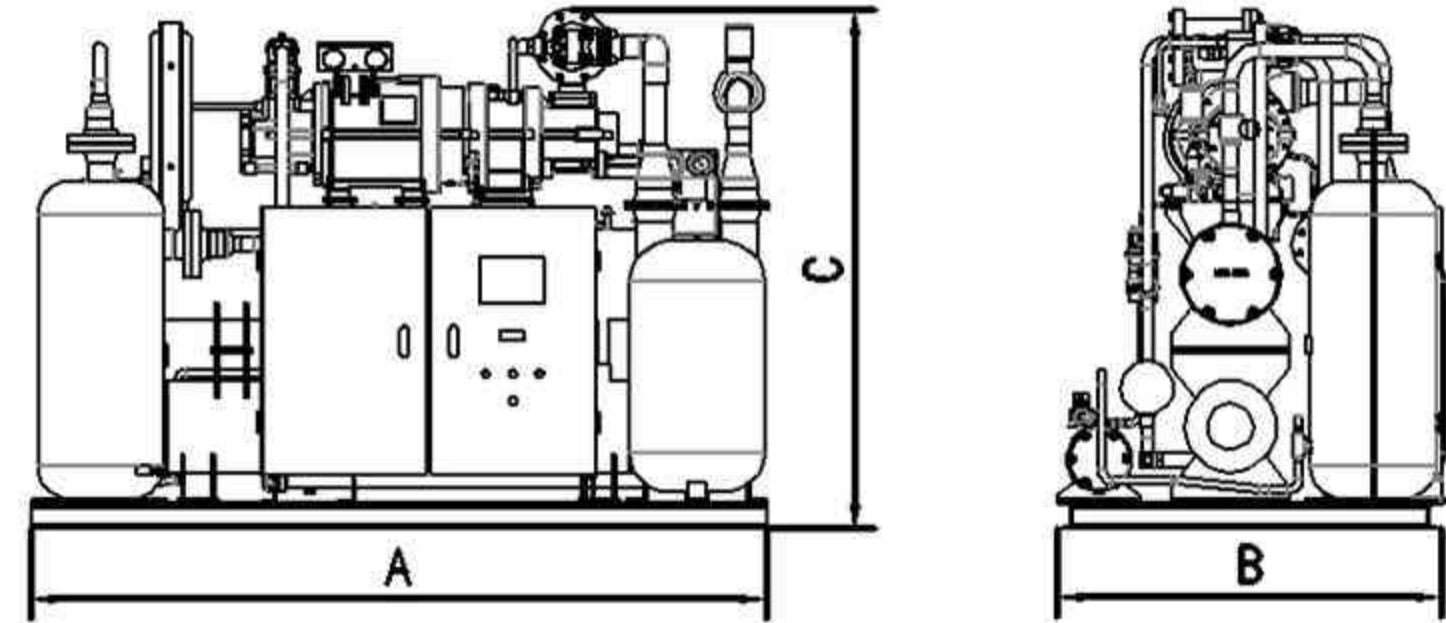
Model		HLGF2-192JF	HLGF2-250JF	HLGF3-288JF	HLGF3-375JF	
Evaporating Temperature(°C)		-30~-60				
Refrigerant		R22				
Power supply		380V/50HZ				
Comp.	Type	semi-hermetic 2 -stage screw				
	Comp. Model	SDL330B	SDL450B	SDL330B	SDL450B	
	Qty.	2	2	3	3	
Condenser	Capacity (KW)	Te 式 Condenser				
	Oil Cooler Type	425	575	640	865	
	Oil Cooler Water flow (m³/h)	Shell and Copper Tube				
Connector	Oil Cooler Connector (mm)	8	10	12	15	
	Te -30°C	Capacity (KW)	DN40	DN50	DN50	DN50
		Cap. (KW)	285.4	380.2	428.1	570.3
	Te -40°C	Input (KW)	119.6	157.4	179.4	236.1
		Cap. (KW)	195.4	257.6	293.1	386.4
	Te -50°C	Input (KW)	108.8	141	163.2	211.5
		Cap. (KW)	123.4	160.8	185.1	241.2
	Te -60°C	Input (KW)	106.4	138.6	159.6	207.9
		Cap. (KW)	65.4	88.8	98.1	133.2
	Te -60°C	Input (KW)	76.4	103.8	114.6	155.7
Liquid dia. (mm)		DN125	DN100×2	DN100×2	DN125×2	
Gas out dia. (mm)		φ54	φ54	φ54	φ67	
Discharge (mm)		DN100	DN100	DN100	DN125	
Liquid in (mm)		φ67	φ67	φ67	φ67	
Overall Size (A×B×C)		3100×200×2200	3400×2100×2200	4200×2100×2200	4200×2100×2200	

Remark: Cooling capacity under condensing temp. at 35 °C

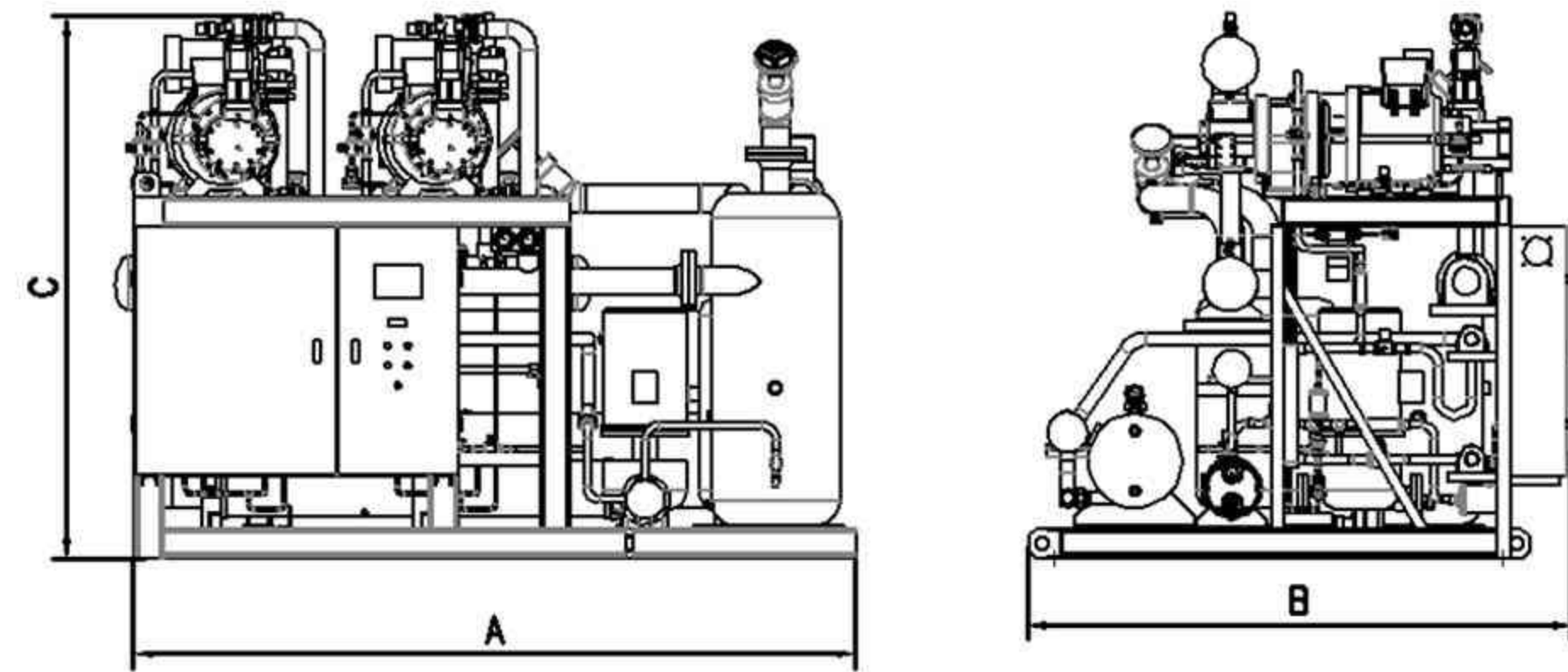


5. Diagrams for Overall sizes

1) Single compressor racks :



2) Multi Compressor Racks :



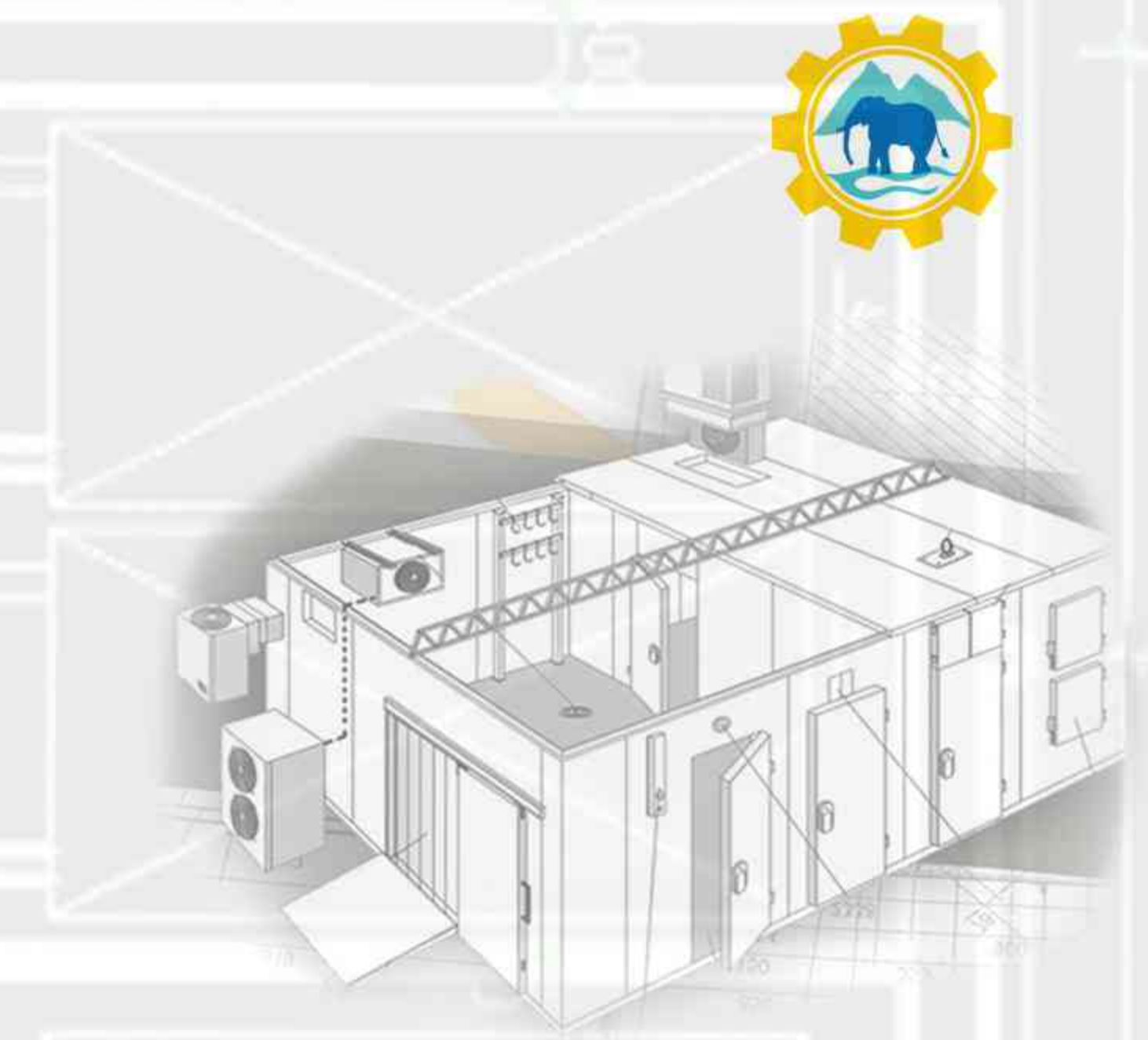
Statements

1. For detailed specification of all types of compressors, please refer to sample data of each compressor brand.
2. For condensing unit, the components listed are for the standard product, the customer may increase or decrease it according to their requirement.
3. Our company can develop and manufacture all kinds of non-standard equipments on customer's requirements. For detailed specification requirements contact the sales or technical departments.
4. The company reserves the right of any specification changes in this document without prior notice; confirm it before putting your order.
5. For more issues, consult our technical department.



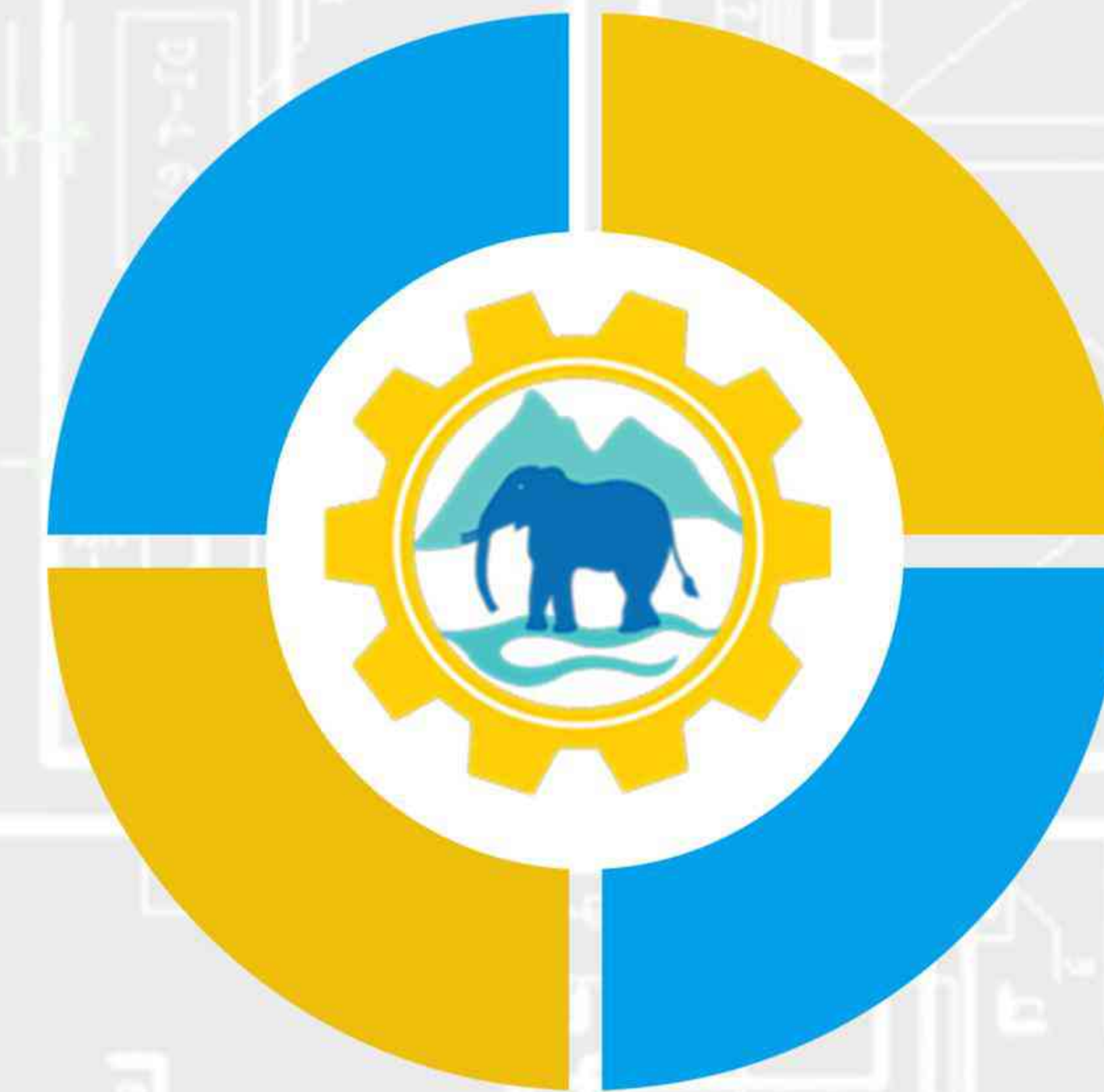
AFTER-SALES SERVICE

Whether your need is large scale coolers, processing rooms or storage facilities, the YangChuan can design steel support and determine load requirements for project specific needs.



Project Design

Installation & Maintenance



5 Years For Panels

1 Year For Components