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QUALITY、INNOVATION、HIGH-EFFCIENCY、CREDIT

SIKELAN®

股票代码 STOSK CODE: 835011

ISO9001 / ISO14001 / OHSMS18000

CCC CE UL ETL CB RoHS



Commercial and Domestic COMPRESSORS

商用和家用压缩机

R134a R290 R404A R600a R22

SIKELAN®

浙江麦迪制冷科技股份有限公司

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2025年4月

Wechat

Whatsapp

ABOUT SIKELAN



2002

build in
公司成立于2002年

100,000m²

Production & Warehousing Center
生产&仓储中心

40,000

Office buildings & standard factory buildings
办公楼及标准厂房

100+

Products are sold at home and abroad
生产&仓储中心

浙江麦迪制冷科技股份有限公司，创立于2002年，是一家蓬勃发展的浙江省高新技术企业，专业研发制造全封闭制冷压缩机、干燥过滤器、冷凝水泵、EC电机及保温管等制冷配件。公司在2020年获得省级研究院认定，2021年荣获浙江省首批认定省级“专精特新”企业，2022年进入新三板创新企业。公司坐落于上有天堂下有苏杭，素有“中国天堂”美誉的浙江省杭州。公司环境优雅，交通便利，距杭州西站仅20分钟车程，离杭州萧山机场仅45分钟车程，距上海港、宁波港2.5小时车程，位于交通枢纽中心，杭州制造业集聚地核心。

公司建有办公楼及标准厂房40000平方米，新建生产、仓储中心100000平方米。技术力量雄厚，拥有自主研究、开发、制造、检测中心，并引进国际先进高新设备，全面建设全自动化生产线，打造中国智能车间。公司通过IS09001ISO14001、OHS18001国际管理体系认证，质量达到国内外先进水平，产品通过UL、ETL、CE、CB、VDE、CCC等国内外知名认证。产品畅销国内三十多个省市，并大量出口到欧洲、美洲、澳洲、中东、非洲及东南亚各国。高品质、高性价比及优质的服务，收到广大商客的一致好评。

面向未来，公司将按照制造智能化、绿色可持续发展的要求，不断提升技术+质量、品牌+服务为核心，做精做强，实现企业高质量发展。

Zhejiang MAIDI Refrigeration Technology Co.,LTD built in 2002,is a flourishing High-Tech Zhejiang province enterprise.We specialize in developing and manufacturing the hermetical refrigerant Compressors、all kinds of refrigeration parts such as the Filter drier,Liquid Accumulator and Oil Separator、Condensate Pump、EC Brush-less Motor and Insulation Pipe.In 2020,we was recognized by the provincial research Institute.In 2021,we become the first provincial-level''Specialized and Special New''enterprise in Zhejiang province.And We have own stock in the ''Three New Board''.

Our company is located in Hangzhou City,Zhejiang Province,who has reputation of China Heaven.With beautiful and famous surrounding advantage,geographical location and convenient transportation,It only takes 20mins to Hangzhou West Station,takes 45mins to Hangzhou Xiaoshan International Airport and takes 2.5 hours to Shanghai or Ningbo port by car. We are in the centre of the transportation hub and Hangzhou manufacturing.

Our company owns the standard plant and office building which covering 40000 square meters,built new manufacturing factory and warehouse 100000 square meters.With abundant technique force,we have our own researching、developing、manufacturing、inspecting and testing centers. And we introduce international advanced high-techequipment, built full automatic production line,created the most intelligent workshops. Our company has passed the IS09001,ISO14001,OHS18001 international management system certificates.The product has got UL,CE,CB,VDE and CCC certificates.Our products are not only selling strongly in more than 30 provinces and municipality,but also largely exporting to Europe, American, Australia, middle East, Africa and South Asia. We have won a excellent reputation from the customers and friends by our product quality,price versus performance ratio and service.

Face to the future,the company will be follow the requirement of intelligent production and sustainable development,keeping improve technology+quality,brand+service for the core,achieving the high quality development.



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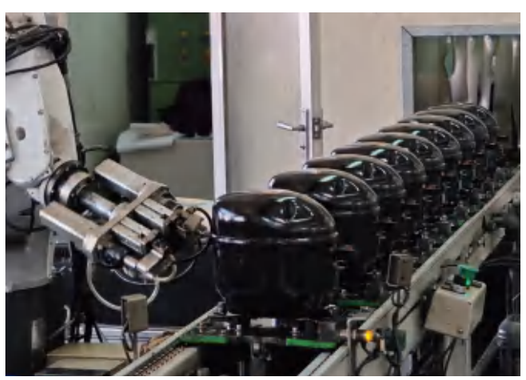
14 R404A/R22 大型商用压缩机 R404A/R22 LARGE COMMERCIAL COMPRESSOR P53-56

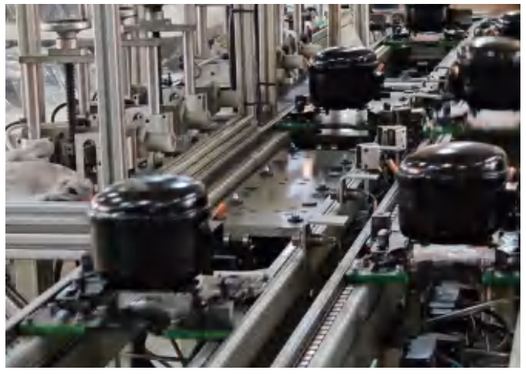
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EQUIPMENT AND TECHNOLOGY DISPLAY

设备与技术展示



THE DETAILS OF THE MODELS

款型明细介绍



DC-MV 系列 Range

适用机型:
以移动设备中的冷藏柜为主，例如船艇、汽车、卡车、带篷货车、客车

应用范围:
低背压、中背压

可用电压:
12/24V DC, 48V可定制

制冷剂:
R134a, R600a

Suitable machines:
In mobile applications, e.g.Cooling boxes, Boats, Caravans, Trucks, Vans, Buses, ETC

Applications:
LBP, MBP

Available voltage:
12/24V DC,48V can be customized

Refrigerants:
R134a, R600a

DC-L 系列 Range

适用机型:
制冰机、除湿机、啤酒柜、陈列柜

应用范围:
低背压、中背压、高背压

可用电压:
12/24V DC, 48V可定制

制冷剂:
R134a, R600a, R290

Suitable machines:
Ice maker, Dehumidifier,
Beers coolers, Merchandisers

Applications:
LBP, M/HBP

Available voltage:
12/24V DC,48V can be customized

Refrigerants:
R134a, R600a, R290





DC-MX 系列 Range

适用机型:
饮水机、迷你饮料/啤酒柜、冰箱、冷柜

应用范围:
低背压、中背压、高背压

可用电压:
12/24V DC, 48V可定制

制冷剂:
R134a, R600a, R290

Suitable machines:
Water dispensers, Mini Bottlecoolers, Befrigerators, Refrigerators, Freezers

Applications:
LBP, M/HBP

Available voltage:
12/24V DC,48V can be customized

Refrigerants:
R134a, R600a, R290



MN 系列 Range

适用机型:
饮水机、迷你饮料/啤酒柜、冰箱、冷柜

应用范围:
低背压、中背压、高背压

可用电压:
220-240V / 50-60Hz
110-120V / 60Hz

制冷剂:
R134a, R600a, R290

Suitable machines:
Water dispensers, Mini Bottlecoolers, Befrigerators, Refrigerators, Freezers

Applications:
LBP, MBP

Available voltage:
220-240V / 50-60Hz
110-120V / 60Hz

Refrigerants:
R134a, R600a, R290



MX 系列 Range

适用机型:
制冰机、除湿机、啤酒柜、陈列柜

应用范围:
低背压、中背压、高背压

可用电压:
220-240V / 50-60Hz

制冷剂:
R134a, R600a, R290, R404A

Suitable machines:
Ice maker, Dehumidifier, Beers coolers, Merchandisers

Applications:
LBP, MBP

Available voltage:
220-240V / 50-60Hz

Refrigerants:
R134a, R600a, R290, R404A

L 系列 Range

适用机型:
饮水机、迷你饮料/啤酒柜、冰箱、冷柜

应用范围:
低背压、中背压、高背压

可用电压:
220-240V / 50-60Hz
110-120V / 60Hz

制冷剂:
R134a, R600a, R290

Suitable machines:
Water dispensers, Mini Bottlecoolers, Befrigerators, Refrigerators, Freezers

Applications:
LBP, M/HBP

Available voltage:
220-240V / 50-60Hz
110-120V / 60Hz

Refrigerants:
R134a, R600a, R290



MQ 系列 Range

适用机型:
制冰机、啤酒柜、陈列柜

应用范围:
低背压、中背压、高背压

可用电压:
220-240V / 50-60Hz
110-120V / 60Hz

制冷剂:
R134a, R600a, R290, R404A

Suitable machines:
Ice maker, Beers, Coolers, Merchandisers

Applications:
LBP, M/HBP

Available voltage:
220-240V / 50-60Hz
110-120V / 60Hz

Refrigerants:
R134a, R600a, R290, R404A





ML 系列 Range

适用机型:
制冰机、啤酒柜、陈列柜

应用范围:
低背压、中背压、高背压

可用电压:
220-240V / 50-60Hz
110-120V / 60Hz

制冷剂:
R134a, R600a, R290

Suitable machines:
Ice maker, Beers coolers, Merchandisers

Applications:
LBP, M/HBP

Available voltage:
220-240V / 50-60Hz
110-120V / 60Hz

Refrigerants:
R134a, R600a, R290



MD 系列 Range

适用机型:
商超岛柜、厨房冷柜

应用范围:
低背压、中背压、高背压

可用电压:
220-240V / 50-60Hz
110-120V / 60Hz

制冷剂:
R134a, R290, R404A

Suitable machines:
Refrigerated islands, Kitchen freezers

Applications:
LBP, M/HBP

Available voltage:
220-240V / 50-60Hz
110-120V / 60Hz

Refrigerants:
R134a, R290, R404A



MT 系列 Range

适用机型:
展示柜、厨房冰箱、制冰机、冰激凌机等

应用范围:
低背压、中背压、高背压

可用电压:
220-240V / 50-60Hz
110-120V / 60Hz

制冷剂:
R134a, R290, R404A

Suitable machines:
Ice maker, Beers, coolers, Merchandisers

Applications:
LBP, M/HBP

Available voltage:
220-240V / 50-60Hz
110-120V / 60Hz

Refrigerants:
R134a, R290, R404A

MJX 系列 Range

适用机型:
冷柜展示柜、厨房冰箱、医疗柜、
制冰机、啤酒柜、冰激凌机等

应用范围:
低背压、中背压、高背压

可用电压:
220-240V / 50-60Hz
110-120V / 60Hz

制冷剂:
R134a, R290, R404A

Suitable machines:
Refrigerator Display Cabinets, Kitchen Refrigerators, Medical Cabinets, Ice Makers, Beer Cabinets, Ice Cream Machines, ETC.

Applications:
LBP, M/HBP

Available voltage:
220-240V / 50-60Hz
110-120V / 60Hz

Refrigerants:
R134a, R290, R404A





变频 系列 Inverter Range

适用机型:
冷柜、冰箱

应用范围:
低背压、中背压

可用电压:
220-240V/50-60Hz

制冷剂:
R134a, R600a, R290

Suitable machines:
Refrigerated islands, Kitchen freezers

Applications:
LBP, MBP

Available voltage:
220-240V/50-60Hz

Refrigerants:
R134a, R600a, R290

COMPRESSOR MODELS IDENTIFICATION AND DESIGNATION
压缩机型号命名说明

AD W 91 T6 HV x

- 背压类型 Backpressures rangs
  - AD=LBP
- 工质 Refrigerant
  - W=R134a
- 气缸容积 Displacement
  - 91=9.1cm³
- 系列 Series
  - L/ML/MX/MQ/MD/MT
- 能效等级 Efficiency level
  - HV=高效
- 电源 Indscates the rated voltage
  - 无=220-240V / 50-60Hz
  - T6=110-120V / 60Hz

QD 25 H 11 G x

- 背压类型 Backpressures rangs
  - QD=LBP
- 气缸容积 Displacement
  - 25=2.5cm³
- 工质 Refrigerant
  - H-R134a
  - Y=R600a
- 系列 Series
  - L/ML/MX/MQ/MD/MT
- 能效等级 Efficiency level
  - HV=高效
- 电源 Indscates the rated voltage
  - 无=220-240V / 50-60Hz
  - T6=110-120V / 60Hz

GQR 11 T G D x

- 商用机
- 气缸容积 Displacement
  - 11=11.0cm³
- 工质 Refrigerant
  - T=R134a U=R290 K=R404A
- 系列 Series
  - L/ML/MX/MQ/MD/MT
- 背压类型 Backpressures rangs
  - G=轻型商用中温机H/MBP
  - Z=制冰机 C=除湿机
- 额定电压Rated Voltage
  - 无=220-240V / 50-60Hz
  - D=110-120V / 60Hz

GQ R 3-900 KG A/P

- “QR”表示中高温机型
  - “QR”means medium-high temperature compressor
- 三项电源
  - 3 Phasehors e power
- 表示气缸排气量
  - Displacement(cm³)
- 并联机接口
  - “p”means parallel connection
- 带“A”铜管接口,不带“A”螺纹接口
  - Copper connection with“A” Screw thread connection without “A”
- 表示工质,R22此字母省略,R404A 低中背压用K,R404A 中高被压用KG
  - For the working medium, the letter "R" is omitted for R22. For R404A, "K" is used for low and medium back pressure, and "KG" is used for medium and high back pressure.

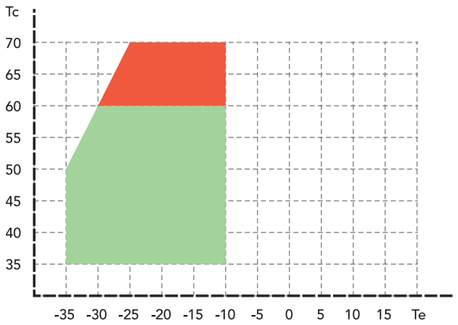
RANGE OF APPLICATION

工作范围

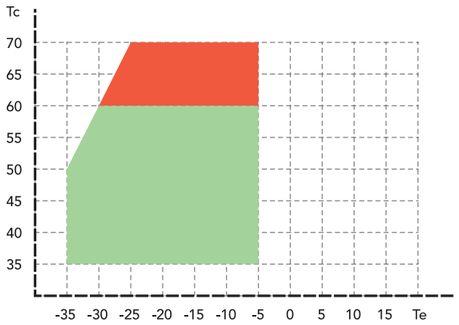
环境温度 Ambient temperature: 43℃
回气温度 Return temperature: 32.2℃

环境温度 Ambient temperature: 32℃
回气温度 Return temperature: 20℃

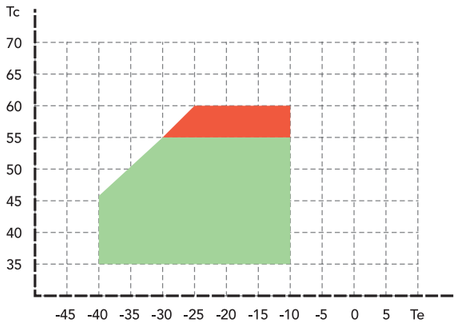
LBP
R290 / R134a / R600a



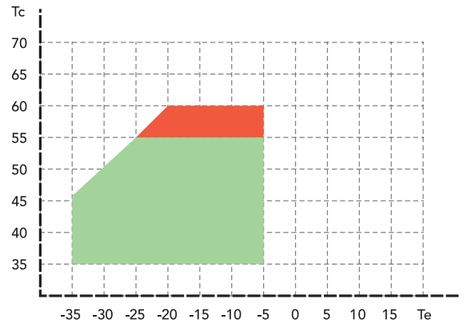
L-MBP(标准)(STANDARD)
R290 / R134a



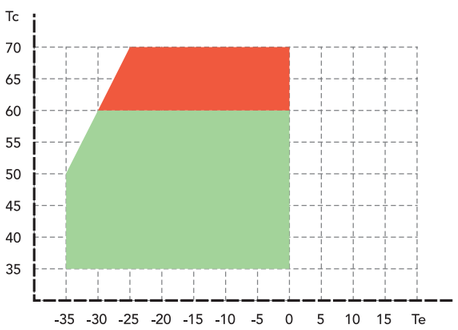
LBP
R290 / R134a



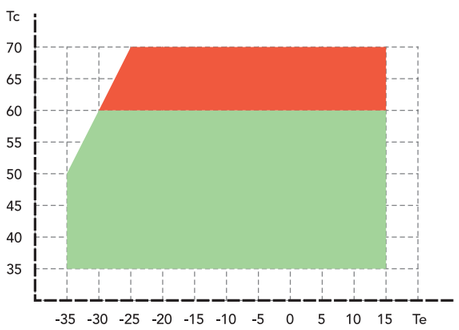
LBP
R600a / R134a



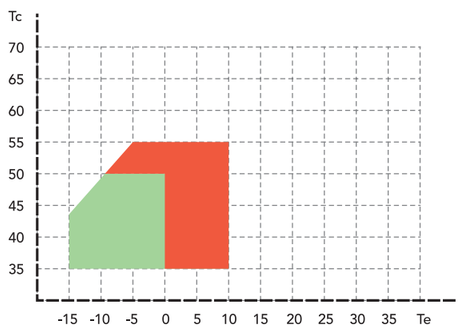
L-MBP扩展范围
L-MBP EXTENDED RANGE



L-M-HBP
R134a



MBP
R290 / R404A



H-MBP
R134a

HBP
R600 / R134a

极限工况 Transient Condition
运行工况 Operation Condition

极限工况 Transient Condition
运行工况 Operation Condition

APPLICATION OF PROPANE REFRIGERANT AND REFRIGERATION SYSTEM

丙烷制冷剂和制冷系统的应用

R134A单位容积制冷量是R290的一半，在相同制冷量条件下，R290压缩机的排量约为R134a的60%，R290制冷剂充注量较R134a可减少40%~50%。

The unit refrigerating capacity of R134a is half of R290. Under the same cooling capacity, R290 compressor displacement is about 60% of R134a compressor, and the charge of R290 refrigerant can be reduced by 40% to 50% compared with R134a.

R134a切换至R290 Replace R134a with R290	R134a	LBP	R290	LBP
电源(POWER)	型号(MODEL)	ASHRAE(W)	型号(MODEL)	ASHRAE(W)
220V 50Hz	QD35HG	75	GQR30U	80
	ADW86	200	GQR45U	208
	ADW91	225	GQR55U	230
	ADW110	240	GQR6OU	280
	ADW128	320	GQR70U	320
	ADW142	350	GQR80U	360
	ADW153	380	GQR90U	400
	ADW168	410	GQR90U	400
			GQR11U	500
			GQR12U	550
			GQR14U	650
			GQR16U	740
			GQR19U	790

R134a切换至R290 Replace R134a with R290	R134a	HBP	R290	HBP
电源(POWER)	型号(MODEL)	ASHRAE(W)	型号(MODEL)	ASHRAE(W)
220V 50Hz	GQR35TG	385	GQR30U G	420
	GQR55TG	525	GQR45U G	540
	GqR60TG	665	GQR55U G	680
	GQR80TG	880	GQR60U G	840
	GQR90TG	990	GQR70U G	1000
	GQR11TG	1180	GQR80U G	1150
	GQR12TG	1300	GQR90U G	1280

R404A单位容积制冷量与R290相当，在相同制冷量条件下，可选择排同等量或偏大的R290压缩机，R290制冷剂充注量较R404A可减少40%~50%。

The unit refrigerating capacity of R404A is equivalent to R290. Under the same cooling capacity, you can choose thesame or larger displacement of R290 compressor. The charge of R290 refrigerant can be reduced by 40% to 50% compared to R404A.

R404A切换至R290 Replace R404A with R290	R404A	LBP	R290	LBP
电源(POWER)	型号(MODEL)	ASHRAE(W)	型号(MODEL)	ASHRAE(W)
220V 50Hz	GQR45K	244	GQR55U	230
	GQR55K	305	GQR70U	320
	GQR60K	365	GQR80U	360
	GQR70K	395	GQR90U	400
	GQR80K	465	GQR11U	500
	GQR90K	515	GQR11U	500
	GQR11K	565	GQR12U	550
	GQR12K	640	GQR14U	650
	GQR14K	750	GQR16U	740
	GQR16K	850	GQR19U	790

Precautions for using of Propane R290

1.Equipped with flammable gas detection and alarm device

1.1 The detector shall be set in the areas where there may be a large cargo leakage, such as the storage area,filing area, sealing area and the vent of repair area.
1.2 Calibrate combustible gas detector regularly (at least once a year).
1.3 When the concentration of combustible gas exceeds the standard, alarm output of corresponding level shall be provided, for example, when the alarm closing value is 20% LEL , the alarm indicator light is on, the exhaust fan accelerates operation, and the power switch of valve light shall be cut off; when the alarm closing value is 40% E, the alarm indicator light is on, and the alarm sound shall be given, and all power supply shall be cut off except boa static system and exhaust system.
1.4 The exhaust system shall be relatively independent with automatic and manual control. When the exhaust system is not started, the relevant equipment cannot be started, when the exhaust system fails, the relevant power supply will be cut off.
1.5 Detection and alarm devices shall be operated 24 hours a day.

2.Eliminate sources of ignition

2.1 In the danger zone, it is necessary to strictly monitor all possible mechanical frictional heat and chemical reaction heat. The temperature of any part must not exceed 200°C. Pay special attention to sparks and heat caused by electrical short circuits and disconnections. Direct heating by electric heating equipment is prohibited.
2.2 Electric control cabinet, alarm cabinet, lighting, fan and other facilities shall have explosion-proof grade, and control cabinet, junction box, electrical connector, etc.shall be sealed reliably.

3.Anti-static

3.1 Propane cylinder, grab pump, filing machine, repair and recovery machine, exhaust device and equipment frame shall be of metal structure , the middle of non-metal connecting hose shall be wrapped with metal framework, and both ends of the metal framework shall be grounded.
3.2 Propane pipelines should have as few turns as possible , and especially avoid sharp turns.
3.3 personnel working in hazardous areas shall wear anti-static clothing,anti-static shoes, and soles shall be beaten with iron.

4.Lightning protection

4.1 When propane storage warehouse cannot be protected by lightning arrester in workshop, independent lightning rod shall be set.
4.2 When the outdoor air outlet of combustible gas cannot be protected by the lightning rod or wire in the workshop, the lightning rod or wire shall be set additionally, and its grounding wire can be connected with the grounding electrode in the workshop.

5.Ground connection

5.1 The propane storage area shall be equipped with special anti-static grounding electrode, and the propane cylinder shall be firmly grounded.

6.Warning sign

6.1 The site of the propane production line should have obvious safety production signs,the site should have obvious signs of "dangerous areas", and the propane storage and transportation equipment should comply with GB7231.
6.2 There shall be clear identification for maintenance in hazardous area and operation in open fire area.

7.Perfusion

7.1 Sufficient fire-fighting equipment shall be set up, and obvious warning signs shall be provided.
7.2 The filing equipment shall meet the national explosion-proof electrical standards and have explosion-proof certificate.

8.Personnel training

8.1 Operators shall be trained in propane safety knowledge to understand the basic characteristics and safety requirements of propane.
8.2 Operators should wear labor protect on supplies when they are on duty. The dress should meet the requirements of ant-static. it is not allowed to change clothes and use static electricity or sparks in the work area.
8.3 Relevant personnel should not enter the propane working area. When non-regional personnel enter the operation area, they shall follow the safety regulations of the operation area.
8.4 Operators should be proficient in emergency handling methods.

9.Emergency measure

9.1 When personnel inhale propane, they shall leave the site and go to the fresh air place quickly to keep breathing unobstructed. if breathing is difficult, they shall be given oxygen. If breathing stops, they shall be given artificial respiration immediately and get medical treatment as soon as possible.
9.2 When people inhaling propane, gargle with water and give milk or egg white quickly. eek medical treatment as soon as possible.
9.3 When propane enters the eye, lift the eyelid,wash with flowing water or normal saline for at least 15 minutes, and seek medical treatment as soon as possible.
9.4 When the skin is in contact with propane, remove the contaminated clothes, wash the skin thoroughly with soap water and clear water for at least 15 minutes and seek medical treatment as soon as possible.

Design of propane refrigeration system R134a becomes R290

Replace R134a system with R290 system, see table
1.Compressor in the MBP application when the refrigeration capacity is the same, it can be replaced by R290 compressor with smaller displacement,general 60% of the displacement of R134a compressor.
2.Condenser,at the same condensing temperature, such as 45'c, the thermal conductivity of the liquid refrigerant the condenser is higher 17% higher than that of R134a. which can appropriately reduce the size of the condenser.in addition,since the power consumed by R290 compressor per unit cooling capacity is lower, 12% lower than R134a,the heat exchanged by the theoretical condenser is equal to the cooling capacity plus the power consumed by the compressor so a slightly smaller condenser can meet the required cooling capacity.
3.Evaporator at the same evaporation temperature for example -10℃, the thermal conductivity of gas and liquid in the evaporation is higher than R134a ,,so the evaporator size can be slightly smaller.
Capillary tube, under the same cooling capacity, the capillary size is longer, theoretically about 2.9 times of R134a.5. Charge volume, since the density of R290 is smaller, when the size of evaporator and condenser is unchanged, that is, under the same volume condition, the charging amount is 40%~50% of R134a.

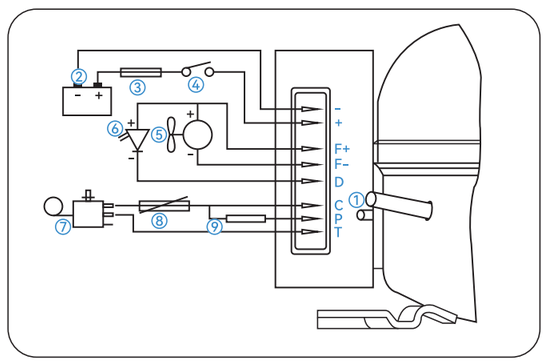
Design of propane refrigeration system R404a becomes R290

Replace R404a system with R290 system,see table
1.Compressor, in LBP applications,when the cooling capacity is the same,it can be replaced with the same displacement or sightly larger R290 compressor.
2.Condenser, at the same condensing temperature, such as 45'e,the thermal conductivity of the liquid refrigerant in the condenser is higher 3% lower tharR404A, so a slightly smaller condenser can meet the required cooling capacity.
3.Evaporator, at the same evaporation temperature, such as -35'c,the thermal conductivity of the gas and liquid in the evaporator is higher than R404A, so the evaporator size can be slightly smaller.
Capillary, under the same refrigerating capacity,the capillary size is sightly longer, theoretically about 1.6 times of R404A5. Charge volume, since the density of R290 is smaller,when the size of evaporator and condenser is unchanged, that is,under the same volume condition, the charging amount is 40%~50% of that of R404A.

DC COMPRESSOR INSTRUCTION

直流压缩机安装说明

控制器接线图 Electronic Unit Wiring Diagram



① 螺丝钉 Screw
② 电池 Battery
③ 保险丝 Fuse
④ 主开关 Main Switch
⑤ 风扇 DC FAN
⑥ LED灯 LED Light
⑦ 温控 Thermostat
⑧ 控速电阻 Resistor for presetting speed
⑨ 电池保护电阻
Resistor for presetting battery protection voltage

控制器使用说明 Electronic Unit Specification

1、此控制器能自动适应双电压即直流12V和24V电源输入系统，直流12V系统时最大输入电压为17V，24V系统时最大输入电压为31.5V。控制器工作环境温度不大于60℃；当控制器外壳温度过高时将停止压缩机而产生温度过高保护。
2、安装方式：如图1所示，将控制器三相输出插件紧插在压缩机的连接线端上，控制器套入压缩机的装卡片后拧紧螺钉（1）。
3、电源连接：如图1所示。
a、控制器的电源输入线直接连接至电池的正负极（2），控制器的（-）极连至电池的负极；控制器的（+）极连至电池的正极，否则控制器将不能正常工作，控制器具有电源反接保护。
b、为了保护装置，必须在正电源连线中接入一个保险丝（3），并尽可能靠近电池的正输出极，QDZH25G,QDZH30G和QDZH35G压缩机推荐12V系统采用15A，24V系统采用7.5A；QDZH65G压缩机推荐12V系统采用30A，24V系统采用15A。
c、如果加入主开关（4），则QDZH25G,QDZH30G和QDZH35G压缩机开关的最小通断电流值大于20A；QDZH65G压缩机开关的最小通断电流值为12VDC-40A或者24VDC-20A。
d、电源线的选择（线径及长度）可参照表2，否则会因电源连线上的电压降影响到控制器的电池保护点的设置值。
4、电池的保护：如图1所示。
a、控制器通过检测输入极（+）和（-）之间的电压值来确定停止压缩机及重启压缩机，用于保护不同的供电电池。
b、标准电池的保护设备推荐值见表3；其他电压的设定可通过调节控制器的端子（C）和（F）的连接电阻（9），具体数值参照表1。
5、温度开关：如图1所示。
a、温度开关（7）连接在控制器的C、T端，如果中间不连接任何电阻，则当温度开关闭合时压缩机的运行速度为2000rpm。
b、其他压缩机的设定转速可通过电阻（8）来调节电流（mA）来获得，具体电阻数值参照表4。
6、外接风扇：如图1所示。
a、控制器的端子（+）和（F）之间可接入一个12V的直流风扇（5），风扇的正极连接控制器的（+）端，负极连接控制器的（F）端。当控制器的输入电压超过12V时，端子（+）和（F）之间输出的值总是保持12V。不管输入电压系统是12V还是24V，风扇必须是12V的直流风扇。
b、控制器可持续输出0.5A的风扇驱动能力。
7、外接LED显示：如图1所示。
a、控制器的端子（+）和（D）之间可接入一个10mA的LED（6）用于显示故障，LED的阳极连接控制器的（+）端，阴极连接控制器的（D）端。
b、当发生故障时，LED每3秒循环，在每个循环中连续闪烁，根据不同的故障闪烁不同的次数，每次闪烁为0.2秒，持续增值3分钟，具体代码和闪烁次数见表5。

1.The electronic unit is a dual voltage device. This means that the same unit can be used in both 12V and 24V power supply systems, maximum voltage is 17V for a 12V system and 31.5V for a 24V system. Maximum ambient temperature is 60℃. The electronic unit has a built-in thermal protection which is actuated and stops compressor operation if the electronic unit temperature gets too high.
2.Installation (Fig.1)
Connect the terminal plug from the electronic unit to the compressor terminal. Mount the electronic unit on the compressor by snapping the cover over the screw head(1).
3.Power supply (Fig.1)
a.The electronic unit must always be connected directly to the battery poles(2), connect the plus to (+) and the minus to (-), otherwise the electronic unit will not work. The electronic unit is protected against reverse battery connection.
b.For protection of the installation, a fuse (3) must be mounted in the (+) cable as close to the battery as possible. 15A fuse for 12V and 7.5A fuse for 24V circuits are recommended for model QDZH25G, QDZH30G and QDZH35G; 30A fuse for 12V and 15A fuse for 24V circuits for model QDZH65G.
c.If a main switch (4) is used, model QDZH25G, QDZH30G and QDZH35G should be rated to a current of min. 20A; model QDZH65G should be rated to a current of 40A @ 12V and 20V @ 24V.
d.The wire dimensions in Table. 2 must be observed. Avoid extra junctions in the power supply system to prevent voltage drop from affecting the battery protection setting.
4.Battery protection (Fig.1)
a.The compressor is stopped and re-started again according to the decided voltage limits measured on the (+) and (-) terminals of the electronic unit.
b.The standard settings for 12V and 24V power supply systems appear from Table.3. Other setting (Table.1) are optional if a connection which includes a resistor (9) is established between terminals C and F.
5.Thermostat switch(Fig.1)
a.The thermostat (7) is connected between the terminals C and T. Without any resistor in the control circuit, the compressor with electronic unit will run with a fixed speed of 2000rpm when the thermostat is switched on.
b.Other fixed compressor speeds in the range between 2000 and 3500rpm can be obtained when a resistor (8) us installed to adjust the voltage (V) of the control circuit. Resistor values for various motor speeds appear from Table.4.
6.Fan (Optional, Fig.1)
a.A fan (5) can be connected between the therminals (+) and (F). Connect the plus to (+) and the minus to (F). Since the output voltage between the terminals (+) and (F) is always regulated to 12V, a 12V fan must be used for 12V and 24V power supply systems.
b.The fan output can supply a continous current of 0.5A. A higher current draw is allowed for 2 seconds during start.
7.LED(Optional, Fig.1)
a.A 10mA light emitting diode (LED)(6) can be connected between the terminals (+) and (D).
b.In case the electronic unit records an operational error, the diods will flash a number of times. The number of flashes depends on what kind of operational error was recorded. Each flash will last 1/5 second. After the actual number of flashes there will be a delay with no flashes, so that the sequence for each error recording is repeated every 3 minutes.

注意事项:

1、控制器通电前，请仔细阅读说明书，并检查连接线是否正确，不正确的连接可能损坏控制器；
2、控制器输入电压值不能大于直流35V。

Notes:

1.Power electronic Unit, please read the manual; and check the connection is correct, incorrect connection may damage controller.
2.Electronic Unit can not be greater than the value of the input voltage 35V.

OPTIONAL BATTERY PROTECTION SETTINGS (TABLE 1)

工作电压设定表(表1)

外接电源 Resistor (9)KΩ	12V停机值 12V cut-out V	12V开机值 12v cut-in V	12V高压停机值 12V Maxcut-out V	24V停机值 24V cut-out V	24V开机值 24V cut-in V	24V高压停机值 24V Maxcut-out V
0.0	9.6	10.9	17.0	21.3	22.7	31.5
1.6	9.7	11.0	17.0	21.5	22.9	31.5
2.4	9.9	11.1	17.0	21.8	23.2	31.5
3.6	10.0	11.3	17.0	22.0	23.4	31.5
4.7	10.1	11.4	17.0	22.3	23.7	31.5
6.2	10.2	11.5	17.0	22.5	23.9	31.5
8.2	10.4	11.7	17.0	22.8	24.2	31.5
11.0	10.5	11.8	17.0	23.0	24.5	31.5
14.0	10.6	11.9	17.0	23.3	24.7	31.5
18.0	10.8	12.0	17.0	23.6	25.0	31.5
24.0	10.9	12.2	17.0	23.8	25.2	31.5
33.0	11.0	12.3	17.0	24.1	25.5	31.5
47.0	11.1	12.4	17.0	24.3	25.7	31.5
82.0	11.3	12.5	17.0	24.6	26.0	31.5
220	9.6	10.9	17.0	21.3	22.7	31.5

WIRE DIMENSIONS(TABLE 2)

电源进线推荐(表2)

线号 AWG Guage	线径Cross setion (mm^2)	12V最大长度 Max Length 12V DC		24V最大长度 Max Length 24V DC	
		ft	m	ft	m
13	2.5	8	2.5	16	5
12	4	13	4	26	8
10	6	20	6	39	12
8	10	23	10	66	20

STANDARD BATTERY PROTECTION SETTINGS (TABLE 3)

标准电池保护设定推荐表(表3)

12V停机值 12V cut-out V	12V开机值 12v cut-in V	12V停机值 12V cut-out V	12V开机值 12v cut-in V
10.4	11.7	22.8	24.2

COMPRESSORSPEED SETTINGS (TABLE 4)

速度设定表(表4)

压缩机转速 Motorspeed(rpm)	C/T(8)间电阻 C/T Resistor(8)Ω	C/T(8)间电流 C/T current mA
2000	0	0.87-1.02
2100	51	1.02-1.17
2200	100	1.17-1.32
2300	150	1.32-1.48
2400	200	1.48-1.63
2500	277	1.63-1.78
2600	330	1.78-1.93
2700	400	1.93-2.08
2800	490	2.08-2.24
2900	586	2.24-2.39
3000	692	2.39-2.54
3100	816	2.54-2.69
3200	963	2.69-2.84
3300	1137	2.84-3.0
3400	1331	3.0-3.15
3500	1523	3.15-3.61
Stop	>3000	3.61-5

ERROR TYPE (TABLE 5)

故障类型表(表5)

闪烁次数 Number of Flashes	故障类型 Error Type
1	电压故障--输入电压处于设定的范围之外。 Battery protection cut-out(The voltage is outside the cut-out setting.)
2	风扇电流故障--风扇电流端输出电流大于1A。 Fan over-currentcut-out(The fan loads the electronic unit with more than 1A.)
3	压缩机启动故障--压缩机电机堵转或系统压力太大(>6kg/cm^3) Motor start error (The rotor is blocked or the differential pressure in the refrigeration system is too high (>6ka/cm^3))
4	压缩机最小速度故障--压缩机负荷过大或电机的转速过小。 Minimum motor speed error(If the refrigeration system is too heavily loaded, the motor cannot maintain minimum speed 1850rpm or controller cannot find the rotor position.)
5	控制器温度故障--控制器外壳温度太高(>75℃)。 Thermal cut-out of electronic unit (if the refrigeration system had too heavilyloaded,or if the ambient temperature is high, the electronic unit will run too hot(case temperature>75℃))
6	控制器硬件故障--控制器检测到不正常的参数。 Controller hardware failure(Controller detects abnormal parameters.

DIGITAL THERMOSTAT

数字温控器

数字温控器具备两路高精度温度探头来采集冰箱冰柜的冷藏冷冻温度，同时与压缩机驱动模块相连，控制压缩机的转速以及启停。温控器上的数码管实时显示冷藏冷冻区的当前温度。在系统出现故障时通过不同的报错形式来定位相应的系统问题。

Digital thermostat has two high precision temperature probes are used to collect the freezing temperature of the refrigerator and is connected with the compressor drive module to control the rotation speed, start andstop of the compressor.The digital tube on the thermostat displays the current temperature of the frozen areain real time.In the case of system failure, the corresponding system problem is located through different error reporting forms.

一、电气参数 (ElectricalParameters)

电压范围: 直流12-24V, 极限电压35V。	Voltage range:DC12-24V,Limited voltage 35V.
工作电流: 0.1A.	Working current:0.1A.
具备休眠模式。	With sleep mode.
门灯功能: 门灯电压跟随输入电压。	Gate lamp function:The gate lamp voltage follows the input voltage.
温度探头精度±1℃。	Temperature probe accuracy ±1℃.
工作环境温度-10℃~60℃, 相对湿度20%~90%;	Ambienttemperature-10℃~60℃,Relativehumidity20%~90%.

二、外观 (Appearance)



三、操做说明 (Operation)

1、按键操作(Keys Operation):



加减设置按键，支持短按、长按。
Set the add or subtract button, Support short press, long press



设置按键。短按进入温度设置状态，长按进入菜单选项。
Set Button.Short press to enter the temperature settingstate, long press to enter menu options



电压保护挡位设置按键，用于欠压值设定。
Voltage protection guard position setting button, used for setting under voltage value



压缩机运行模式按键。
Compressor operation mode button



开机/关机按键。长按3秒进入休眠模式。
Switch button.Press Long for 3 seconds to enter hibernation mode

2、显示内容(Display Content):



显示冷冻区域温度。
Displays the temperature of the frozen area



代表选择高速档或节能档。
High gear or energy efficient



显示当前的供电电压。
Displays the current supply voltage



代表选择高档、中档或低档电压保护值。
High, medium or low voltage protection value

四、功能说明 (Function)

1.门灯功能: LED灯板额定工作电压应与输入电压保持一致。开关LED灯:短按 ON/OFF键，开启或关闭 LED 灯。
2.显示功能: 1)1个四位(单温)或2个四位(双温)红色数码管显示，显示范围-40℃~50℃CC/-40℉~104℉: 当箱内温度低于-40℃(-40℉)时，显示-40℃(-40℉): 当箱内温度高于50℃(104)时，显示50℃(104℉)。
3.温度设定(冷冻停机温度)调节: 短按set按键进入控制温度设定状态，再按∧或∨键变更数值并。如不按任何键，3秒后恢复显示箱内温度。温度设定值带记忆功能。
4.开机/关机: 按 ON/OFF键3秒，关闭制冷工作模式，数码管无显示，停止所有控制输出，再按 ON/OFF键1秒显示测量温度经延时后启动制冷工作模式。
5.按下欠压设定按键,可以选择三档欠压值 。

	12V时保护电压	12V时恢复工作电压	24V时保护电压	24V时恢复工作电压
L	10.0V	11V	21.6V	23.0V
M	10.7V	11.7V	22.6V	24.0V
H	11.5V	12.5V	24.6V	26.0V

6.上电经过延时后，当箱内温度大于(控制温度+温度回差)压缩机启动；当箱内温度小于等于控制温度时，压缩机停止。为防止压缩机频繁启停，压缩机每次停止的时间必须超过延时时间(E4参数)才能重新启动。
7. 为防止压缩机频繁启停，压缩机每次停止的时间必须超过延时时间(E4 参数)才能重新启动。
8.数码管显示的温度=测量温度+温度补偿。
9.用户设置参数均带有记忆功能，重新上电后无须重复设置
10.复位功能: 进入RE菜单，选择参数1，即可恢复所有参数至初始值。
11.开机自检功能: 数码管、指示灯全显2秒数码管以000-111.999显示，制冷灯亮POWER灯亮，数码管显示箱内温度。

1.Gate lamp function:The rated working voltage of LED panel should be consistent with the input voltage. Switch the LED lamp:short press on or off, turned on or off LED panel.
2. Display function: A fourth(Single temperature) or a forth(Double temperature) red digital tube display, displayrange -40℃ ~50℃/-40℉~104℉; When the temperature in the box is below -40℃ (-40℉),it will show -40℃ (40℉); When the temperature in the boxis above 50℃ (104℉), it will show 50℃(104℉).
3. Temperature regulation(Freezing shutdown temperature):Short press 'set' enter the control temperature settingstate,use ∧or∨to change date.If no key is pressed,restore the temperature in the display box after 3 seconds.Temperature setting with memory function.
4. ON/OFF:Press three seconds on ON/OFF, turn off refrigeration mode, no diaital display, stop all control output.Pressone second on ON/OFF again, display measuring temperature and start the refrigeration operation mode after the delay.
5. Press under voltage setting button, you can choose three levels ofunder voltage .

Gear position	12VProtect the voltage	12VRecovery working voltage	24VProtect the voltage	24VRecovery working voltage
L	10.0V	11V	21.6V	23.0V
M	10.7V	11.7V	22.6V	24.0V
H	11.5V	12.5V	24.6V	26.0V

6. After the curent has passed the delay, the compressor starts when the temperature in the box is greaterthan(Control the temperature +tem perature return diference); The compressor starts when the tem perature in the boxis less than or equal to the control temperature.
7. In order to prevent freguent start and stop of the compressor, the time of each stop must exceed the delay time of(E4 parameter) before the compressor can be restarted.
8. Digital tube display temperature=measure temperature+temperature compensation.
9. User setting parameters are equipped with memory function, there is no need to repeat the setting after the curentare reset.
10. Reset function: Enter the RE system and select parameter 1, you can restore all parameters to the initial value.
11. Start automatic detection: Digital tube and the indicator lights are all on for 2 seconds,digital tube with 000111..999 show, refrigeration lights, POWER lights, the digital tube shows the temperature in the box.

THE MENU SETTINGS

菜单设置

1.长按 set 键持续3 秒后,进入菜单参数设定状态，同时闪烁显示E1;
2.再按∧或∨按键改变参数选择，依序显示 E1、E2、E3、E4、E5、E6、E7、E8、E9、E10、E11、E12、E13、E14、E15 依序循环;
3.按+或-键，可显示该参数的数值并修改、存储数据;
4.6秒内未再按任何键，返回正常操作方式。

1. Long press on 'set' for 3 seconds to enter the menu parameter setting state,the flash shows the E1 at the same time.
2. Use ∧ or ∨ to change parameter, Display in sequenCe:E1,E2, E3,E4,E5,E6,E7,E8,E9,E10,E11,E12,E13,E14,E15,recycle.
3. Press +/-, display the value ofthe parameter and modify and store the data.
4. No more keys pressed for 6 seconds, return to normal operation mode.

参数 Parameter	功能 Function	设定范围 Setting range	出厂值 Factory default
E1	最低控制温度 Minimum control temperature	-40℃~控制温度 -40℃~control temperature	-22℃
E2	最高控制温度 Maximum control temperature	控制温度~40℃ control temperature~40℃	+15℃
E3	温度回差 Temperatures return difference	1~10℃	2℃
E4	停机保护时间 Shutdown protection time	0~10分钟 (min)	3分钟 (min)
E5	测量温度补偿 0 Measurement temperature compensation 0	-10℃~10℃	0℃
E6	测量温度补偿1(用于双温Double temperature) Measurement temperature compensation 1	-10℃~10℃	0℃
E7	高温报警相对值 Relative value of high temperature alarm	0~25	(该款未提供) Unavailable
E8	低温报警相对值 Relative value oflow temperature alarm	0~25	(该款未提供) Unavailable
E9	延时开机时间 Delayed start time	0~15分钟 (min)	0
E10	温度报警延时时间 Temperature alarm delay time	0~60分钟 (min)	(该款未提供) Unavailable
E11	开机报警延时时间 Startalarm delay time	0~60小时 (hrs)	(该款未提供) Unavailable
E12	关闭温度设定 Close temperature setting	0-10:可以设定 1:表示关闭 0-10:setting 1:close	0
CF	华氏摄氏转换 Fahrenheit Celsius conversion	C/F0-1	C
RE	复位出厂设定值 Reset factory Settings	1 表示进行复位 1 Means to reset	0

ALARM FUNCTION

报警功能

当压缩机驱动模块运行出现故障时，模块D端输出脉冲电平故障信号，温控器收到故障信号进行处理之后，通过数码管分别显示ER0，ER1，ER2，ER3，ER4，ER5，ER9。当存在故障信号时压缩机停止运转，面板按键功能失效。排出故障2秒后，系统回到运行状态。

· ER0故障表示感温头短路,此时压缩机进入定时工作模式，压缩机运行30分钟，停止30分钟。检查温度探头是否短路，建议更换温度探头。

· ER1 故障表示模块输入欠压保护。检查输入电压是否过低，输入引线是否过细导致压降偏大。建议选择电压保护档。

· ER2 故障表示直流风扇过流保护。检查风扇是否短路，建议更换风扇。

· ER3 故障表示压缩机启动异常保护。确认系统压力是否过大，建议等待3分钟后重新启动

· ER4 故障表示压缩机转速异常保护。确认系统压力是否过大，建议等待3分钟后重新启动。

· ER5 故障表示模块温度异常保护。建议加强压缩机驱动模块通风条件。

· ER9 故障表示感温头断路,此时压缩机进入定时工作模式，压缩机运行30分钟，停止30分钟。请检查温度探头是否断路，接口是否松动，建议更换温度探头。

1. When the compressor driver module runs in fault, module D output pulse level fault signal.After thethermostat receives the fault signal for processing, it displayS ER0,ER1,ER2,ER3,ER4,ER5 and ER9 respectively through the digital tube.When there is a fault signal, the compressor stops operation, and thefunction of the panel key is invalid. 2 seconds after the failure, the system returned to operation.
2. ER0 fault indicates short circuit of temperature sensor head.At this time, the compressor enters the regular working mode. The compressor runs for 30 minutes and stops for 30 minutes.Check whether the temperature probeis short-circuited and suggest to replace the temperature probe.
3. ER1 failure indicates module input undervoltage protection.Check whether the input voltage is too lowand whether the input lead is too thin, resulting in a large voltage drop.Suggest to choose Voltageprotection L.
4. ER2 failure indicates dc fan overcurrent protection.Check the fan for short circuit and suggest to replacethe fan.
5. ER3 failure indicates compressor start up abnormal protection,Confirm if the system pressure is toohigh.It is recommended to wait 3 minutes before restarting.
6. ER4 Fault indicates abnormal compressor speed protection.Confirm ifthe system pressure is too high. Itis recommended to wait 3 minutes before restarting.
7. ER5 failure indicates module temperature anomaly protection.It is suggestedto strengthen theventilation condition ofcompressor drive module.
8. ER9 fault indicates that the temperature sensing head is broken. At this time, the compressor enters thetiming working mode.The compressor runs for 30 minutes and stops for 30 minutes.Please check whetheIthe temperature probe is broken and the interface is loose. It is recommended to replace the temperatureprobe.

R134a L/MBP12/24V

系列 Serial	压缩机型号 Model	马力 HP	工作容积 Displacement (cm³)	转速 Rotate Speed (rpm)	制冷量 Capacity -23.3°C (ASHRAE) W	制冷量 Capacity -23.3°C (ASHRAE) Btu/h	性能系数 COP W/W	性能系数 EER Btu/Wh	注油量 Oil charge ml	冷却方式 Cooling Type	电源 Power Supply	认证 Certificate
MV	QDZH15G	1/14	1.5	2300	30	102	1.22	4.16	70	F	12/24V (DC)	CE
				2500	35	119	1.22	4.16				
				3000	42	143	1.25	4.27				
				3500	50	171	1.22	4.16				
	QDZH20G	1/11	2.0	2300	40	136	1.22	4.16				
				2500	48	164	1.22	4.16				
				3000	57	194	1.25	4.27				
				3500	65	222	1.22	4.16				
	QDZH20G-II	1/11	2.0	2300	40	136	1.40	4.78				
				2500	48	164	1.40	4.78				
				3000	57	194	1.42	4.85				
				3500	65	222	1.40	4.78				
L	QDZH20G	1/11	2.0	2000	40	136	0.98	3.34	130			
				2500	48	163	0.98	3.34				
				3000	57	194	1.00	3.41				
				3500	65	221	1.00	3.41				
	QDZH25G	1/10	2.5	2000	43	146	1.08	3.68				
				2500	53	186	1.05	3.58				
				3000	62	211	1.06	3.62				
				3500	72	245	1.04	3.55				
	QDZH30G	1/8	3.0	2000	52	176	1.05	3.58				
				2500	64	217	1.05	3.58				
				3000	75	254	1.06	3.62				
				3500	87	295	1.04	3.55				
	QDZH35G	1/7	3.5	2000	60	205	1.08	3.68				
				2500	73	249	1.07	3.65				
				3000	86	293	1.06	3.62				
				3500	100	341	1.05	3.58				
	QDZH43G	1/5	4.3	2000	80	273	1.15	3.92				
				2500	96	328	1.20	4.09				
				3000	115	392	1.25	4.27				
				3500	138	471	1.25	4.27				
MX	QDZH50G	1/4+	5.0	2000	87	297	1.40	4.78	180			
				2500	104	355	1.40	4.78				
				3000	130	444	1.45	4.95				
				3500	163	556	1.45	4.95				
	QDZH65G	1/3-	6.5	2000	120	409	1.40	4.78				
				2500	150	512	1.40	4.78				
				3000	180	614	1.45	4.95				
				3500	210	717	1.45	4.95				
	QDZH75G	1/3	7.5	2000	146	499	1.40	4.78				
				2500	183	625	1.40	4.78				
				3000	220	752	1.45	4.95				
				3500	256	875	1.45	4.95				
	QDZH91G	1/2-	9.1	2000	170	580	1.40	4.78			24V (DC)	
				2500	200	682	1.40	4.78				
				3000	240	819	1.42	4.85				
				3500	270	921	1.42	4.85				
	QDZH110G	1/2	11.0	2000	220	751	1.40	4.78				
				2500	250	853	1.40	4.78				
				3000	305	1041	1.42	4.85				
				3500	356	1215	1.42	4.85				

R600a L/MBP 12/24VDC

系列 Serial	压缩机型号 Model	马力 HP	工作容积 Displacement (cm³)	转速 Rotate Speed (rpm)	制冷量 Capacity -23.3°C (ASHRAE) W	制冷量 Capacity -23.3°C (ASHRAE) Btu/h	性能系数 COP W/W	性能系数 EER Btu/Wh	注油量 Oil charge ml	冷却方式 Cooling Type	电源 Power Supply	认证 Certificate
MV	QDZY20G	1/14	2.0	2300	24	82	1.25	4.27	70	F1	12/24V (DC)	CE
				3000	36	123	1.27	4.33				
				3500	40	136	1.30	4.44				
				4000	46	156	1.27	4.33				
				4400	50	171	1.25	4.27				
	QDZY30G	1/11	3.0	2200	30	102	1.25	4.27				
				3000	44	149	1.27	4.33				
				3500	53	179	1.30	4.44				
				4000	60	205	1.27	4.33				
				4400	66	225	1.25	4.27				
	QDZY30G-II	1/11	3.0	2300	30	102	1.52	5.19				
				3000	44	149	1.55	5.29				
				3500	53	179	1.55	5.29				
				4000	60	205	1.52	5.19				
				4400	66	225	1.50	5.12				
L	QDZY30G	1/13	3.0	2000	30	102	1.15	3.92	130			
				2500	35	119	1.25	4.27				
				3000	43	147	1.35	4.61				
				3500	55	188	1.30	4.44				
	QDZY35G	1/10	3.5	2000	42	143	1.15	3.92				
				2500	50	171	1.25	4.27				
				3000	60	205	1.35	4.61				
				3500	72	246	1.30	4.44				
	QDZY43G	1/8	4.3	2000	49	167	1.15	3.92				
				2500	61	208	1.25	4.27				
				3000	76	259	1.35	4.61				
				3500	95	324	1.30	4.44				
	QDZY50G	1/7	5.0	2000	60	205	1.15	3.92				
				2500	72	246	1.25	4.27				
				3000	86	293	1.35	4.61				
				3500	108	369	1.30	4.44				
	QDZY65G	1/5-	6.5	2000	67	229	1.15	3.92				
				2500	93	317	1.25	4.27				
				3000	110	375	1.35	4.61				
				3500	131	447	1.30	4.44				
	QDZY75G	1/5	7.5	2000	91	311	1.15	3.92				
				2500	108	369	1.25	4.27				
				3000	130	444	1.35	4.61				
				3500	156	532	1.30	4.44				
MX	QDZY91G	1/4+	9.1	2000	100	341	1.30	4.44	180		24V (DC)	
				2500	122	416	1.40	4.78				
				3000	150	512	1.40	4.78				
				3500	170	580	1.40	4.78				
	QDZY110G	1/3	11.0	2000	130	444	1.30	4.44				
				2500	156	532	1.30	4.44				
				3000	180	614	1.40	4.78				
				3500	220	7511	1.40	4.78				

R290 L/MBP DC

系列 Serial	压缩机型号 Model	马力 HP	工作容积 Displacement (cm³)	转速 Rotate Speed (rpm)	制冷量 Capacity -23.3°C (ASHRAE) W	制冷量 Capacity -23.3°C (ASHRAE) Btu/h	性能系数 COP W/W	性能系数 EER Btu/Wh	注油量 Oil charge ml	冷却方式 Cooling Type	电源 Power Supply	认证 Certificate
XL	QDZU30G	1/5	3.0	2200	97	331	1.40	4.78	130	F1	24V (DC)	CE
				3000	132	450	1.40	4.78				
				3500	154	525	1.40	4.78				
MX	QDZU50G	2/5	5.0	2200	170	580	1.50	5.12	180	F2		
				3000	245	836	1.50	5.12				
				3500	288	983	1.50	5.12				
	QDZU60G	1/2-	6.0	2200	205	699	1.50	5.12				
				3000	295	1007	1.50	5.12				
				3500	345	1177	1.50	5.12				
	QDZU70G	3/5-	7.0	2200	265	904	1.50	5.12			48V (DC)	
				3000	370	1262	1.50	5.12				
				3500	425	1450	1.50	5.12				
	QDZU80G	3/5+	8.0	2200	310	1058	1.50	5.12				
				3000	418	1426	1.50	5.12				
				3500	470	1604	1.50	5.12				

1.48V、72V直流机，以及太阳能源需要定制。 2.COP如需更高效可以定制。 3.风机流量要求：F1=1.5m/s, F2=3.0m/s。

1. 14.8V and 72V DC motors, as well as solar energy, can be customized. 2. If a higher COP is required, customization is available. 3.Fan flow requirements: F1=1.5m/s, F2=3.0m/s

R600a 低背压压缩机 电压220-240V~50/60Hz 普效型

R600a LBP 220-240V~50/60Hz OE

产品系列 Serial	产品型号 Model	马力 HP	电压频率 V/Hz	气缸容积 Displacement(cm³)	制冷量 Cooling Capacity ASHRAE												制冷量 Cooling Capacity ASHRAE										电机类型 Motor type	启动器 Starting Device	启动电容 Starting capacitor(uF)	运行电容 Running capacitor (uF)	冷却方式 Cooling	认证 Certificate
					-35℃(-31F)		-30℃(-22F)		-25℃(-13F)		测试工况 Test Conditions:-23.3℃(-10F)						-20℃(-4F)		-15℃(5F)		-10℃(10F)		-5℃(23F)		0℃(32F)							
					W	Btu/h	W	Btu/h	W	Btu/h	制冷量 Capacity (W)	制冷量 Capacity (Btu/h)	输入功率 Input Power (W)	电流 Current (A)	COP (W/W)	EER (Btu/Wh)	W	Btu/h	W	Btu/h	W	Btu/h	W	Btu/h	W	Btu/h						
MN	QD35YG	1/14	220-240V/50-60Hz	3.5	23	78	30	102	40	136	53	181	62	0.49	0.85	2.90	67	229	84	287	106	362	134	457	457	573	RSIR	PTC Starting Relay	/	/	ST	CCC CB CE
	QD43YG	1/11		4.3	30	102	40	136	54	184	65	222	76	0.53	0.85	2.90	88	300	110	375	140	478	175	597	597	761	RSIR		/	/	ST	CCC CB CE
L	QD35YG	1/13		3.5	26	89	33	113	43	147	56	191	47	0.38	1.20	4.10	70	239	86	293	109	372	137	467	467	583	RSIR		/	/	ST	CCC CB CE
	QD43YG	1/10		4.3	34	116	44	150	58	198	75	256	62	0.45	1.20	4.10	94	321	117	399	147	502	183	624	624	781	RSIR		/	/	ST	CCC CB CE
	QD53YG	1/9		5.3	39	133	50	171	65	222	85	290	65	0.50	1.30	4.43	106	362	133	454	166	566	208	710	710	884	RSIR		/	/	ST	CCC CB CE
	QD65YG	1/7		6.5	50	171	65	222	85	290	110	375	85	0.55	1.30	4.43	138	471	172	587	215	734	269	918	918	1146	RSIR		/	/	ST	CCC CB CE
	QD69YG	1/7+		6.9	55	187	72.00	246	93	317	120	409	92	0.60	1.30	4.43	152	519	186	635	232	792	295	1007	1007	1245	RSIR		/	/	ST	CCC CB CE
	QD75YG	1/6-		7.5	59	201	77	263	100	341	130	444	100	0.70	1.30	4.43	163	556	203	693	254	867	317	1082	1082	1355	RSIR		/	/	ST	CCC CB CE
	QD75YG	1/6-		7.5	59	201	77	263	100	341	130	444	100	0.70	1.40	4.77	163	556	203	693	254	867	317	1082	1082	1355	RSIR		/	/	ST	CCC CB CE
	QD85YG	1/6		8.5	66	225	86	293	112	382	145	495	112	0.75	1.40	4.77	181	618	227	775	283	966	354	1208	1208	1512	RSIR		/	/	ST	CCC CB CE
ML	QD91YG	1/5		9.1	71	242	92	314	119	406	155	529	106	0.80	1.45	4.95	194	662	242	826	303	1034	378	1290	1290	1614	RSIR		/	/	ST	CCC CB CE
	QD103YG	1/4-		10.3	77	263	99	338	130	444	168	573	115	0.85	1.45	4.95	210	717	263	897	328	1119	410	1399	1399	1750	RSIR		/	/	ST	CCC CB CE
	QD110YG	1/4		11.0	84	287	109	372	142	485	190	648	126	0.95	1.50	5.12	231	788	289	986	361	1232	452	1542	1542	1928	RSIR		/	/	ST	CCC CB CE
	QD85YG	1/6		8.5	66	225	86	293	112	382	148	505	95	0.75	1.55	5.28	181	618	227	775	283	966	354	1208	1208	1512	RSIR		/	/	ST	CCC CB CE
	QD91YG	1/5		9.1	71	242	92	314	119	406	158	539	101	0.70	1.55	5.28	194	662	242	826	303	1034	378	1290	1290	1614	RSIR		/	/	ST	CCC CB CE
MX	QD103YG	1/4-		10.3	77	263	99	338	130	444	170	580	113	0.85	1.50	5.12	210	717	263	897	328	1119	410	1399	1399	1750	RSIR		/	/	ST	CCC CB CE
	QD110YG	1/4		11.0	84	287	109	372	142	485	190	648	127	0.95	1.50	5.12	231	788	289	986	361	1232	452	1542	1542	1928	RSIR		/	/	ST	CCC CB CE
	QD128YG	1/3-		12.6	100	341	130	444	169	577	205	699	152	1.05	1.35	4.61	275	938	344	1174	430	1467	537	1832	1832	2289	RSIR		/	/	ST	CCC CB CE
	QD128YG	1/3-		12.8	100	341	130	444	169	577	220	751	152	1.05	1.45	4.95	275	938	344	1174	430	1467	537	1832	1832	2289	RSIR		/	/	F	CCC CB CE
MQ	QD142YG	1/3		14.2	109	372	142	485	185	631	240	819	166	1.15	1.45	4.95	300	1024	375	1280	469	1600	586	1999	1999	2498	RSIR		/	/	F	CCC CB CE
	QD153YG	1/3+		15.3	118	403	154	525	200	682	260	887	179	1.25	1.45	4.95	325	1109	406	1385	508	1733	635	2167	2167	2709	RSIR		/	/	F	CCC CB CE

R600a 低背压压缩机 电压220-240V~50/60Hz 高效型

R600a LBP 220-240V~50/60Hz HE

产品系列 Serial	产品型号 Model	马力 HP	电压频率 V/Hz	气缸容积 Displacement(cm³)	制冷量 Cooling Capacity ASHRAE													制冷量 Cooling Capacity ASHRAE										电机类型 Motor type	启动器 Starting Device	启动电容 Starting capacitor(uF)	运行电容 Running capacitor (uF)	冷却方式 Cooling	认证 Certificate
					-35℃(-31F)		-30℃(-22F)		-25℃(-13F)		测试工况 Test Conditions:-23.3℃(-10F)							-20℃(-4F)		-15℃(5F)		-10℃(10F)		-5℃(23F)		0℃(32F)							
					W	Btu/h	W	Btu/h	W	Btu/h	制冷量 Capacity (W)	制冷量 Capacity (Btu/h)	输入功率 Input Power (W)	电流 Current (A)	COP (W/W)	EER (Btu/Wh)		W	Btu/h	W	Btu/h	W	Btu/h	W	Btu/h	W	Btu/h							
L	QD35YV	1/12	220-240V/50-60Hz	3.5	26	89	33	113	43	147	56	191	44	0.30	1.25	4.26		70	239	86	293	109	372	137	467	171	583	RSCR	PTC Starting Relay	/	3	ST	CCC CB CE
	QD43YV	1/11		4.3	34	116	44	150	58	198	75	256	57	0.32	1.30	4.43		94	321	117	399	147	502	183	624	229	781	RSCR		/	3	ST	CCC CB CE
	QD53YV	1/9		5.3	39	133	50	171	65	222	85	290	62	0.40	1.35	4.60		106	362	133	454	166	566	208	710	259	884	RSCR		/	3	ST	CCC CB CE
	QD65YV	1/7		6.5	50	171	65	222	85	290	110	375	78	0.45	1.40	4.77		138	471	172	587	215	734	269	918	336	1146	RSCR		/	3	ST	CCC CB CE
ML	QD69YV	1/7+		6.9	55	187	72	246	93	317	120	409	80	0.50	1.50	5.12		152	519	186	635	232	792	295	1007	365	1245	RSCR		/	3	ST	CCC CB CE
	QD75YV	1/6-		7.5	59	201	77	263	100	341	130	444	83	0.55	1.55	5.28		163	556	203	693	254	867	317	1082	397	1355	RSCR		/	4	ST	CCC
	QD85YV	1/6		8.5	66	225	86	293	112	382	145	495	90	0.60	1.60	5.46		181	618	227	775	283	966	354	1208	443	1512	RSCR		/	4	ST	CCC CB CE
	QD91YV	1/5		9.1	71	242	92	314	119	406	155	529	96	0.65	1.60	5.46		194	662	242	826	303	1034	378	1290	473	1614	RSCR		/	4	ST	CCC CB CE
MX	QD60YV	1/7-		6.0	46	157	60	205	78	266	105	358	57	0.34	1.75	5.97		122	416	156	532	235	802	248	846	310	1058	RSCR		/	3	ST	CCC CB CE
	QD65YV	1/7		6.5	50	171	65	222	85	290	110	375	62	0.36	1.75	5.97		138	471	172	587	215	734	269	918	336	1146	RSCR		/	3	ST	CCC CB CE
	QD75YV	1/6-		7.5	59	201	77	263	100	341	130	444	74	0.38	1.75	5.97		163	556	203	693	254	867	317	1082	397	1355	RSCR		/	3	ST	CCC CB CE
	QD85YV	1/6		8.5	66	225	86	293	112	382	145	495	82	0.40	1.75	5.97		181	618	227	775	283	966	354	1208	443	1512	RSCR		/	3	ST	CCC CB CE
	QD91YV	1/5		9.1	71	242	92	314	119	406	155	529	88	0.45	1.75	5.97		194	662	242	826	303	1034	378	1290	473	1614	RSCR		/	3	ST	CCC CB CE
	QD103YV	1/4-		10.3	77	263	99	338	130	444	168	573	96	0.48	1.75	5.97		210	717	263	897	328	1119	410	1399	513	1750	RSCR		/	4	ST	CCC CB CE
	QD110YV	1/4		11.0	84	287	109	372	142	485	185	631	105	0.52	1.75	5.97		231	788	289	986	361	1232	452	1542	565	1928	RSCR		/	4	ST	CCC CB CE
	QD128YV	1/3-		12.6	100	341	130	444	169	577	205	699	125	0.65	1.75	5.97		275	938	344	1174	430	1467	537	1832	671	2289	RSCR		/	5	ST	CCC CB CE
MQ	QD128YV	1/3-		12.8	100	341	130	444	169	577	220	751	129	0.70	1.70	5.80		275	938	344	1174	430	1467	537	1832	671	2289	RSCR		/	5	F	CCC CB CE
	QD142YV	1/3		14.2	109	372	142	485	185	631	240	819	141	0.75	1.70	5.80		300	1024	375	1280	469	1600	586	1999	732	2498	RSCR		/	5	F	CCC CB CE
	QD153YV	1/3+		15.3	118	403	154	525	200	682	260	887	152	0.80	1.70	5.80		325	1109	406	1385	508	1733	635	2167	794	2709	RSCR		/	5	F	CCC CB CE

R600a 低背压压缩机 电压220-240V~50/60Hz 超高效型

R600a LBP 220-240V~50/60Hz HE

产品系列 Serial	产品型号 Model	马力 HP	电压频率 V/Hz	气缸容积 Displacement(cm³)	制冷量 Cooling Capacity ASHRAE														电机类型 Motor type	启动器 Starting Device	启动电容 Starting capacitor(uF)	运行电容 Running capacitor (uF)	冷却方式 Cooling	认证 Certificate
					-35℃(-31F)		-30℃(-22F)		-25℃(-13F)		测试工况 Test Conditions:-23.3℃(-10F)						-20℃(-4F)		-15℃(5F)		-10℃(10F)		-5℃(23F)		0℃(32F)							
					W	Btu/h	W	Btu/h	W	Btu/h	制冷量 Capacity (W)	制冷量 Capacity (Btu/h)	输入功率 Input Power (W)	电流 Current (A)	COP (W/W)	EER (Btu/Wh)	W	Btu/h	W	Btu/h	W	Btu/h	W	Btu/h	W	Btu/h						
MX	QD53YVV	1/9	220-240V/50-60Hz	5.3	39	133	50	171	65	222	88	300	48	0.32	1.80	6.14	106	362	133	454	166	566	208	710	259	884	RSCR	PTC Starting Relay	/	3	ST	/
	QD60YVV	1/8		6.0	59	201	77	263	100	341	100	341	55	0.34	1.80	6.14	163	556	203	693	254	867	317	1082	397	1355	RSCR		/	3	ST	/
	QD65YVV	1/7		6.5	50	171	65	222	85	290	110	375	61	0.36	1.80	6.14	138	471	172	587	215	734	269	918	336	1146	RSCR		/	3	ST	/
	QD69YVV	1/7+		6.9	55	187	72	246	93	317	118	403	65	0.38	1.80	6.14	152	519	186	635	232	792	295	1007	365	1245	RSCR		/	4	ST	/
	QD75YVV	1/6-		7.5	59	201	77	263	100	341	125	427	70	0.42	1.80	6.14	163	556	203	693	254	867	317	1082	397	1355	RSCR		/	4	ST	/
	QD85YVV	1/6		8.5	66	225	86	293	112	382	145	495	80	0.46	1.80	6.14	181	618	227	775	283	966	354	1208	443	1512	RSCR		/	4	ST	/
	QD91YVV	1/5		9.1	71	242	92	314	119	406	155	529	86	0.52	1.80	6.14	194	662	242	826	303	1034	378	1290	473	1614	RSCR		/	4	ST	/
	QD103YVV	1/4-		10.3	77	263	99	338	130	444	168	573	93	0.58	1.80	6.14	210	717	263	897	328	1119	410	1399	513	1750	RSCR		/	4	ST	/
	QD110YVV	1/4		11.0	84	287	109	372	142	485	185	631	102	0.62	1.80	6.14	231	788	289	986	361	1232	452	1542	565	1928	RSCR		/	4	F	/
	QD128YVV	1/3-		12.8	100	341	130	444	169	577	205	734	122	0.65	1.80	6.14	275	938	344	1174	430	1467	537	1832	671	2289	RSCR		/	5	F	/

R600a 低背压压缩机 电压110-120V~60Hz 普效型

R600a LBP 110-120V~60Hz OE

产品系列 Serial	产品型号 Model	马力 HP	电压频率 V/Hz	气缸容积 Displacement(cm³)	制冷量 Cooling Capacity ASHRAE														电机类型 Motor type	启动器 Starting Device	启动电容 Starting capacitor(uF)	运行电容 Running capacitor (uF)	冷却方式 Cooling	认证 Certificate
					-35℃(-31F)		-30℃(-22F)		-25℃(-13F)		测试工况 Test Conditions:-23.3℃(-10F)						-20℃(-4F)		-15℃(5F)		-10℃(10F)		-5℃(23F)		0℃(32F)							
					W	Btu/h	W	Btu/h	W	Btu/h	制冷量 Capacity (W)	制冷量 Capacity (Btu/h)	输入功率 Input Power (W)	电流 Current (A)	COP (W/W)	EER (Btu/Wh)	W	Btu/h	W	Btu/h	W	Btu/h	W	Btu/h	W	Btu/h						
MN	QD35Y11G	1/11	110-120V/60Hz	3.5	31	106	40	136	52	177	67	229	56	0.40	1.20	4.08	84	287	105	358	131	447	164	560	205	699	RSIR	PTC Starting Relay	/	/	ST	ETL
	QD43Y11G	1/8		4.3	41	140	53	181	69	235	90	307	75	0.60	1.20	4.09	113	386	141	481	176	601	220	751	275	938	RSIR		/	/	ST	ETL
L	QD35Y11G	1/11		3.5	31	106	40	136	52	177	67	229	56	0.40	1.20	4.08	84	287	105	358	131	447	164	560	205	699	RSIR		/	/	ST	ETL
	QD43Y11G	1/8		4.3	41	140	53	181	69	235	90	307	75	0.60	1.20	4.09	113	386	141	481	176	601	220	751	275	938	RSIR		/	/	ST	ETL
XL	QD53Y11G	1/7		5.3	47	160	61	208	79	270	102	348	78	1.10	1.30	4.46	128	437	159	543	199	679	249	850	311	1061	RSIR		/	/	ST	ETL
ML	QD65Y11G	1/6		6.5	60	205	78	266	102	348	132	450	101	1.45	1.30	4.46	165	563	206	703	258	880	322	1099	403	1375	RSIR		/	/	ST	ETL
	QD75Y11G	1/6-		7.5	71	242	92	314	120	409	156	532	120	1.65	1.30	4.44	195	665	244	833	305	1041	381	1300	476	1624	RSIR		/	/	ST	ETL
	QD85Y11G	1/6		8.5	79	270	103	351	134	457	174	594	134	1.68	1.30	4.43	218	744	272	928	340	1160	425	1450	531	1812	CSIR		161~193	/	ST	ETL
	QD91Y11G	1/5		9.1	85	290	110	375	143	488	186	635	124	1.70	1.50	5.12	233	795	291	993	363	1239	454	1549	568	1938	CSIR		161~193	/	ST	ETL
MX	QD103Y11G	1/4-		10.3	92	314	119	406	155	529	201	686	134	1.83	1.50	5.12	251	856	314	1071	393	1341	491	1675	613	2092	CSIR		161~193	/	ST	ETL
	QD110Y11G	1/4		11.0	100	341	130	444	169	577	220	751	147	1.95	1.50	5.11	275	938	344	1174	430	1467	537	1832	671	2289	CSIR		161~193	/	ST	ETL
MQ	QD128Y11G	1/3-		12.8	120	409	156	532	203	693	264	901	182	2.05	1.45	4.95	330	1126	413	1409	516	1761	645	2201	806	2750	CSIR		161~193	/	F	ETL
	QD142Y11G	1/3		14.2	130	444	169	577	219	747	285	972	197	2.16	1.45	4.94	356	1215	445	1518	557	1900	696	2375	870	2968	CSIR		161~193	/	F	ETL
	QD153Y11G	1/3+		15.3	142	485	185	631	240	819	312	1065	215	2.25	1.45	4.95	390	1331	485	1655	609	2078	762	2600	952	3248	CSIR		161~193	/	F	ETL

R134a 低背压压缩机 电压220-240V~50/60Hz 普效款

R134a LBP 220-240V~50/60Hz OE

产品系列 Serial	产品型号 Model	马力 HP	电压频率 V/Hz	气缸容积 Displacement(cm³)	制冷量 Cooling Capacity ASHRAE												制冷量 Cooling Capacity ASHRAE										电机类型 Motor type	启动器 Starting Device	启动电容 Starting capacitor(uF)	运行电容 Running capacitor (uF)	冷却方式 Cooling	认证 Certificate
					-35℃(-31F)		-30℃(-22F)		-25℃(-13F)		测试工况 Test Conditions:-23.3℃(-10F)						-20℃(-4F)		-15℃(5F)		-10℃(10F)		-5℃(23F)		0℃(32F)							
					W	Btu/h	W	Btu/h	W	Btu/h	制冷量 Capacity (W)	制冷量 Capacity (Btu/h)	输入功率 Input Power (W)	电流 Current (A)	COP (W/W)	EER (Btu/Wh)	W	Btu/h	W	Btu/h	W	Btu/h	W	Btu/h	W	Btu/h						
MN	QD20HG	1/17	220-240V/50-60Hz	1.8	19	65	25	85	32	109	42	143	60	0.55	0.70	2.39	52	177	65	222	83	283	104	355	156	532	RSIR	PTC Starting Relay	/	/	ST	CCC CB CE
	QD25HG	1/13		2.5	23	78	32	109	43	147	58	198	82	0.65	0.70	2.39	78	266	97	331	124	423	156	532	195	665	RSIR		/	/	ST	CCC CB CE
	QD30HG	1/10		3	36	123	46	157	60	205	78	266	89	0.65	0.88	3.00	96	328	120	409	151	515	186	635	234	798	RSIR		/	/	ST	CCC CB CE
L	QD25HG	1/12		2.5	28	96	37	126	48	164	63	215	52	0.6	1.05	3.58	78	266	97	331	124	423	156	532	195	665	RSIR		/	/	ST	CCC CB CE
	QD30HG	1/10		3.0	34	116	44	150	58	198	75	256	62	0.6	1.05	3.58	94	321	117	399	147	502	183	624	229	781	RSIR		/	/	ST	CCC CB CE
	QD35HG	1/8		3.5	47	160	58	198	73	249	90	307	71	0.7	1.05	3.58	109	372	132	450	162	553	188	641	244	833	RSIR		/	/	ST	CCC
XL	ADW43	1/6-		4.3	50	171	65	222	85	290	110	375	100	1.0	1.10	3.75	138	471	172	587	215	734	269	918	336	1146	RSIR		/	/	ST	CCC CB CE
	ADW51	1/6		5.1	57	194	74	252	96	328	125	427	104	1.1	1.20	4.09	156	532	195	665	244	833	305	1041	382	1303	RSIR		/	/	ST	CCC CB CE
ML	ADW57	1/5-		5.7	62	212	80	273	104	355	135	461	112	1.2	1.20	4.09	170	580	211	720	264	901	330	1126	412	1406	RSIR		/	/	ST	CCC CB CE
	ADW66	1/4-		6.6	75	256	98	334	127	433	165	563	132	1.2	1.25	4.27	206	703	258	880	322	1099	403	1375	504	1720	RSIR		/	/	ST	CCC CB CE
	ADW77	1/4		7.7	84	287	109	372	142	485	185	631	148	1.3	1.25	4.27	231	788	289	986	361	1232	452	1542	565	1928	RSIR		/	/	ST	CCC CB CE
MX	ADW66	1/4-		6.6	75	256	98	334	127	433	165	563	132	1.2	1.25	4.27	206	703	258	880	322	1099	403	1375	504	1720	RSIR		/	/	ST	CCC CB CE
	ADW77	1/4		7.7	84	287	109	372	142	485	185	631	148	1.3	1.25	4.27	231	788	289	986	361	1232	452	1542	565	1928	RSIR		/	/	ST	CCC CB CE
	ADW86	1/4+		8.6	91	310	118.	403	154	525	200	682	160	1.4	1.25	4.27	245	836	310	1058	408	1392	502	1713	596	2034	RSIR		/	/	ST	CCC CB CE
	ADW91	1/3-		9.1	100	341	130	444	169	577	220	751	176	1.4	1.25	4.27	275	938	344	1174	430	1467	537	1832	671	2289	RSIR		/	/	ST	CCC CB CE
	ADW110	1/3		11.0	93	317	130	444	178	607	240	819	203	1.4	1.35	4.61	310	1058	392	1338	497	1696	628	2143	795	2713	RSIR		/	/	F	CCC CB CE
MQ	ADW91	1/3-		9.1	100	341	133	454	169	577	220	751	162	1.2	1.35	4.61	275	938	344	1174	430	1467	537	1832	671	2289	RSIR	重锤 Current Starting Relay	/	/	F	CCC CB CE
	ADW110	1/3		11.0	123	420	160	546	208	710	270	921	200	1.4	1.35	4.61	338	1153	422	1440	527	1798	659	2249	824	2811	RSIR		/	/	F	CCC CB CE
	ADW128	3/8+		12.8	146	498	189	645	246	839	320	1092	237	1.8	1.35	4.61	400	1365	500	1706	625	2133	781	2665	977	3334	CSIR		50	/	F	CCC CB CE
	ADW142	1/2-		14.2	159	543	207	706	269	918	350	1194	260	1.9	1.35	4.61	438	1494	547	1866	684	2334	828	2825	1068	3644	CSIR		50	/	F	CCC CB CE
	ADW153	1/2		15.3	173	590	225	768	292	996	380	1297	281	2.0	1.35	4.61	475	1621	594	2027	742	2532	855	2917	1160	3958	CSIR		50	/	F	CCC CB CE
	ADW168	1/2+		16.8	198	676	252	860	330	1126	430	1467	318	2.2	1.35	4.61	512	1747	643	2194	798	2723	885	3020	1250	4265	CSIR		50	/	F	CCC CB CE

R134a 低背压压缩机 电压220-240V~50/60Hz 高效款

R134a LBP 220-240V~50/60Hz HE

产品系列 Serial	产品型号 Model	马力 HP	电压频率 V/Hz	气缸容积 Displacement(cm³)	制冷量 Cooling Capacity ASHRAE												制冷量 Cooling Capacity ASHRAE										电机类型 Motor type	启动器 Starting Device	启动电容 Starting capacitor(uF)	运行电容 Running capacitor (uF)	冷却方式 Cooling	认证 Certificate
					-35℃(-31F)		-30℃(-22F)		-25℃(-13F)		测试工况 Test Conditions:-23.3℃(-10F)						-20℃(-4F)		-15℃(5F)		-10℃(10F)		-5℃(23F)		0℃(32F)							
					W	Btu/h	W	Btu/h	W	Btu/h	制冷量 Capacity (W)	制冷量 Capacity (Btu/h)	输入功率 Input Power (W)	电流 Current (A)	COP (W/W)	EER (Btu/Wh)	W	Btu/h	W	Btu/h	W	Btu/h	W	Btu/h	W	Btu/h						
L	QD25HV	1/12	220-240V/50-60Hz	2.5	28	96	37	126	48	164	63	215	47	0.55	1.15	3.92	78	266	97	331	124	423	156	532	195	665	RSCR	PTC Starting Relay	/	3	ST	CCC CB CE
	QD30HV	1/12		3.0	34	116	44	150	58	198	75	256	50	0.63	1.30	4.44	94	321	117	399	147	502	183	624	229	781	RSCR		/	3	ST	CCC CB CE
	QD35HV	1/11		3.5	47	160	58	198	73	249	90	307	57	0.68	1.30	4.44	109	372	132	450	162	553	188	641	244	833	RSCR		/	3	ST	CCC CB CE
	ADW43HV	1/6-		4.3	50	171	65	222	85	290	110	375	71	0.65	1.55	5.29	138	471	172	587	215	734	269	918	336	1146	RSCR		/	4	ST	CCC CB CE
	ADW51HV	1/6		5.1	57	194	74	252	96	328	125	427	81	0.70	1.55	5.29	156	532	195	665	244	833	305	1041	382	1303	RSCR		/	4	ST	CCC CB CE
ML	ADW57HV	1/5-		5.7	62	212	80	273	104	355	135	461	87	0.60	1.55	5.29	170	580	211	720	264	901	330	1126	412	1406	RSCR		/	4	ST	CCC CB CE
	ADW66HV	1/4-		6.6	75	256	98	334	127	433	165	563	106	0.65	1.55	5.29	206	703	258	880	322	1099	403	1375	504	1720	RSCR		/	4	ST	CCC CB CE
	ADW57HV	1/5-		5.7	65	222	85	290	109	372	140	478	85	0.58	1.65	5.63	172	587	215	726	270	921	342	1167	420	1433	RSCR	E-PTC Starting Relay	/	4	ST	CCC CB CE
	ADW66HV	1/4-		6.6	78	266	102	348	132	450	170	580	103	0.62	1.65	5.63	210	717	260	887	325	1109	412	1406	510	1740	RSCR		/	4	ST	CCC CB CE
MX	ADW77HV	1/4		7.7	88	300	114	389	152	519	190	648	115	0.68	1.65	5.63	236	805	293	1000	366	1249	460	1570	571	1948	RSCR		/	4	ST	CCC CB CE
	ADW86HV	1/3-		8.6	90	307	118	403	159	543	210	717	139	0.76	1.65	5.63	259	884	349	1191	415	1416	525	1791	658	2245	RSCR		/	4	F	CCC CB CE
	ADW91HV	1/3-		9.1	100	341	130	444	169	577	220	751	142	0.82	1.65	5.63	275	938	344	1174	430	1467	537	1832	671	2289	RSCR		/	4	F	CCC CB CE
	ADW91HV	1/3-		9.1	100	341	130	444	169	577	220	751	141	0.85	1.55	5.29	275	938	344	1174	430	1467	537	1832	671	2289	RSCR		/	5	F	CCC CB CE
	ADW110HV	3/8		11.0	123	420	160	546	208	710	270	921	174	0.95	1.55	5.29	338	1153	422	1440	527	1798	659	2249	824	2811	RSCR		/	5	F	CCC CB CE
MQ	ADW128HV	3/8+		12.8	146	498	189	645	246	839	320	1092	206	1.20	1.55	5.29	400	1365	500	1706	625	2133	781	2665	977	3334	CSR	重锤 Current Starting Relay	80	5	F	CCC CB CE
	ADW142HV	1/2-		14.2	159	543	207	706	269	918	350	1194	225	1.35	1.55	5.29	438	1494	547	1866	684	2334	855	2917	1068	3644	CSR		80	5	F	CCC CB CE
	ADW153HV	1/2		15.3	173	590	225	768	292	996	380	1297	245	1.55	1.55	5.29	475	1621	594	2027	742	2532	828	2825	1160	3958	CSR		80	5	F	CCC CB CE

R134a 低背压压缩机 电压110-120V~60Hz 普效款

R134a LBP 110-120V~60Hz OE

产品系列 Serial	产品型号 Model	马力 HP	电压频率 V/Hz	气缸容积 Displacement(cm³)	制冷量 Cooling Capacity ASHRAE												制冷量 Cooling Capacity ASHRAE										电机类型 Motor type	启动器 Starting Device	启动电容 Starting capacitor(uF)	运行电容 Running capacitor (uF)	冷却方式 Cooling	认证 Certificate
					-35℃(-31F)		-30℃(-22F)		-25℃(-13F)		测试工况 Test Conditions:-23.3℃(-10F)						-20℃(-4F)		-15℃(5F)		-10℃(10F)		-5℃(23F)		0℃(32F)							
					W	Btu/h	W	Btu/h	W	Btu/h	制冷量 Capacity (W)	制冷量 Capacity (Btu/h)	输入功率 Input Power (W)	电流 Current (A)	COP (W/W)	EER (Btu/Wh)	W	Btu/h	W	Btu/h	W	Btu/h	W	Btu/h	W	Btu/h						
MN	QD20H11G	1/16	110-120V/60Hz	1.8	21	72	26	89	35	119	45	154	60	1.15	0.75	2.56	56	191	71	242	88	300	110	375	137	467	RSIR	PTC Starting Relay	/	/	ST	/
	QD25H11G	1/11		2.5	30	102	38	130	50	171	70	239	70	1.00	1.00	3.41	81	276	102	348	127	433	159	543	198	676	RSIR		/	/	ST	UL ETL
	QD30H11G	1/8		3.0	34	116	44	150	58	198	94	321	87	1.25	1.08	3.68	94	321	117	399	147	502	183	624	229	781	RSIR		/	/	ST	UL
L	QD25H11G	1/12-		2.5	30	102	38	130	50	171	65	222	59	0.90	1.10	3.75	81	276	102	348	127	433	159	543	198	676	RSIR		/	/	ST	UL
	QD30H11G	1/10		3.0	34	116	44	150	58	198	75	256	68	1.10	1.10	3.75	94	321	117	399	147	502	183	624	229	781	RSIR		/	/	ST	UL
	QD35H11G	1/9		3.5	41	140	53	181	69	235	90	307	69	1.30	1.30	4.44	113	386	141	481	176	601	220	751	275	938	RSIR		/	/	ST	UL
	ADW43T6	1/6		4.3	59	201	77	263	100	341	130	444	100	1.40	1.30	4.44	163	556	203	693	254	867	317	1082	397	1355	RSIR		/	/	ST	UL
ML	ADW51T6	1/5		5.1	68	232	89	304	115	392	150	512	115	1.50	1.30	4.44	188	641	234	798	293	1000	366	1249	458	1563	RSIR		/	/	ST	UL
	ADW57T6	1/4		5.7	73	249	95	324	123	420	160	546	128	1.77	1.25	4.27	200	682	250	853	313	1068	391	1334	488	1665	RSIR		/	/	ST	UL
MX	ADW66T6	1/4+		6.6	89	304	115	392	150	512	195	665	145	2.20	1.35	4.61	244	833	305	1041	381	1300	476	1624	595	2030	CSIR-PTC		161-193	/	ST	UL
	ADW77T6	1/3-		7.7	100	341	130	444	169	577	220	751	165	2.40	1.35	4.61	275	938	344	1174	430	1467	537	1832	671	2289	CSIR-PTC		161-193	/	F	UL
	ADW86T6	1/3		8.6	113	386	148	505	195	665	255	870	193	3.00	1.32	4.50	320	1092	401	1368	464	1583	628	2143	788	2689	CSIR-PTC		161-193	/	F	UL
	ADW91T6	3/8-		9.1	128	437	164	560	210	717	270	921	200	2.75	1.35	4.61	335	1143	416	1419	518	1767	645	2201	804	2743	CSIR-PTC		161-193	/	F	ETL
MQ	ADW86T6	1/3		8.6	109	372	142	485	185	631	240	819	178	2.60	1.35	4.61	300	1024	375	1280	469	1600	586	1999	732	2498	CSIR-PTC		161-193	/	F	UL
	ADW91T6	3/8-		9.1	118	403	154	525	200	682	260	887	193	3.30	1.35	4.61	325	1109	406	1385	508	1733	635	2167	794	2709	CSIR-PTC		161-193	/	F	ETL
	ADW110T6	3/8		11.0	141	481	183	624	239	815	310	1058	230	3.80	1.35	4.61	388	1324	484	1651	605	2064	757	2583	946	3228	CSIR-PTC		161-193	/	F	ETL
	ADW128T6	1/2-		12.8	149	508	199	679	261	891	350	1194	277	4.00	1.26	4.30	428	1460	550	1877	695	2371	870	2968	1098	3746	CSIR-RELAY	Current Starting Relay	161-193	/	F	ETL
	ADW142T6	1/2		14.2	183	624	238	812	309	1054	410	1399	297	3.80	1.38	4.71	503	1716	628	2143	785	2678	981	3347	1227	4187	CSIR-RELAY		161-193	/	F	/
	ADW153T6	1/2+		15.3	195	665	259	884	338	1153	420	1433	311	4.00	1.35	4.61	540	1842	673	2296	849	2897	1068	3644	1345	4589	CSIR-RELAY		161-193	/	F	/

R134a 中/高背压压缩机 电压220-240V~50Hz 普效款

R134a M/HBP 220-240V~50Hz OE

产品系列 Serial	产品型号 Model	马力 HP	电压频率 V/Hz	气缸容积 Displacement(cm³)	制冷量 Cooling Capacity ASHRAE									制冷量 Cooling Capacity ASHRAE								电机类型 Motor type	启动器 Starting Device	启动电容 Starting capacitor(uF)	运行电容 Running capacitor (uF)	冷却方式 Cooling	认证 Certificate
					-15℃(-5F)		-10℃(10F)		-5℃(23F)		0℃(32F)			测试工况Test Conditions: 7.2℃(45F)						10℃(50F)								
					W	Btu/h	W	Btu/h	W	Btu/h	W	Btu/h		制冷量 Capacity (W)	制冷量 Capacity (Btu/h)	输入功率 Input Power (W)	电流 Current (A)	COP (W/W)	EER (Btu/Wh)	W	Btu/h						
XL	GQR30TG	1/10	220-240V/50Hz	3.0	97	331	125	427	145	495	185	631		245	836	129	0.90	1.90	6.48	275	938	RSIR	PCT/重锤 Current Starting Relay	/	/	ST	CCC CB CE
	GQR35TG	1/9		3.5	135	461	175	597	195	665	265	904		385	1314	185	1.10	2.10	7.17	420	1433	RSIR		/	/	ST	CCC CB CE
	GQR45TG	1/6		4.5	176	601	230	785	280	955	350	1194		450	1535	204	1.20	2.20	7.51	485	1655	RSIR		/	/	ST	CCC CB CE
ML	GQR55TG	1/6+		5.5	188	641	245	836	310	1058	390	1331		525	1791	250	1.30	2.10	7.17	575	1962	RSIR		/	/	ST	CCC CB CE
	GQR60TG	1/4		6.5	258	880	335	1143	435	1484	545	1860		665	2269	290	1.70	2.30	7.85	705	2405	RSIR		/	/	ST	CCC CB CE
	GQR70TG	1/4		7.0	285	972	370	1262	480	1638	595	2030		720	2457	340	1.90	2.10	7.17	765	2610	RSIR		/	/	ST	CCC CB CE
MX	GQR80TG	1/4+		8.0	320	1092	405	1382	525	1791	638	2177		760	2593	310	1.71	2.45	8.36	810	2764	CSIR		60	/	ST	CCC
	GQR9OTG	1/3-		9.0	350	1194	462	1576	605	2064	752	2566		865	2951	355	2.00	2.43	8.29	932	3180	CSIR		60	/	ST	CCC
MQ	GQR80TG	1/4+		8.3	324	1105	420	1433	550	1877	680	2320		880	3003	391	2.15	2.25	7.68	855	2917	CSIR	重锤 Current Starting Relay	80	/	ST	CCC
	GQR9OTG	1/3		9.5	365	1245	474	1617	621	2119	768	2620		990	3378	440	2.45	2.25	7.68	955	3258	CSIR		80	/	ST	CCC
	GQR11TG	3/8		11.4	412	1406	536	1829	702	2395	868	2962		1180	4026	454	2.20	2.60	8.87	1079	3682	CSIR		80	/	ST	CCC
	GQR12TG	3/8+		12.7	467	1593	606	2068	793	2706	981	3347		1300	4436	500	2.25	2.60	8.87	1208	4122	CSIR		80	/	F	CCC
	GQR14TG	1/2		14.3	527	1798	685	2337	896	3057	1108	3780		1450	4947	580	2.75	2.50	8.53	1365	4657	CSIR		80	/	F	CCC
	GQR16TG	1/2+		15.3	580	1979	754	2573	1012	3453	1252	4272		1490	5084	596	2.80	2.50	8.53	1535	5237	CSIR		80	/	F	CCC
MD	GQR12TG	1/2		12.1	465	1587	650	2218	850	2900	1034	3528		1270	4333	560	2.60	2.30	7.85	1325	4521	CSIR		80	/	F	CCC
	GQR14TG	5/8		14.3	549	1873	768	2620	912	3112	1124	3835		1432	4886	653	2.80	2.20	7.51	1582	5398	CSIR		80	/	F	CCC
	GQR16TG	5/8		16.1	619	2112	865	2951	1015	3463	1205	4111		1524	5200	715	3.00	2.20	7.51	1756	5991	CSR		80	10	F	CCC
	GQR19TG	3/4		18.3	660	2252	897	3061	932	3180	1212	4135		1645	5613	774	3.60	2.13	7.27	1895	6466	CSR		80	10	F	/
MT	GQR26TG	4/5+		26.0	899	3067	1221	4166	1269	4330	1650	5630		2240	7643	1010	6.05	2.22	7.57	2580	8803	PSR	电压 PSR	100	25	F	/
	GQR28TG	9/10		28.0	969	3306	2361	8056	1368	4668	1779	6070		2415	8240	1088	6.15	2.22	7.57	2782	9492	PSR		100	25	F	/

R134a 中/高背压压缩机 电压110-120V~60Hz 普效款

R134a M/HBP 110-120V~60Hz OE

产品系列 Serial	产品型号 Model	马力 HP	电压频率 V/Hz	气缸容积 Displacement(cm³)	制冷量 Cooling Capacity ASHRAE									制冷量 Cooling Capacity ASHRAE								电机类型 Motor type	启动器 Starting Device	启动电容 Starting capacitor(uF)	运行电容 Running capacitor (uF)	冷却方式 Cooling	认证 Certificate
					-15℃(5F)		-10℃(10F)		-5℃(23F)		0℃(32F)			测试工况Test Conditions:+7.2℃(45F)						10℃(50F)								
					W	Btu/h	W	Btu/h	W	Btu/h	W	Btu/h		制冷量 Capacity (W)	制冷量 Capacity (Btu/h)	输入功率 Input Power (W)	电流 Current (A)	COP (W/W)	EER (Btu/Wh)	W	Btu/h						
L	GQR30TD	1/10	110-120V/60Hz	3.0	118	403	150	512	174	594	225	768		295	1007	134	1.80	2.20	7.51	340	1160	RSIR	PCT/重锤 PTC/Current Starting Relay	/	/	F	UL
	GQR35TD	1/9		3.5	162	553	210	717	234	798	320	1092		465	1587	211	2.00	2.20	7.52	504	1720	RSIR		/	/	F	UL
	GQR45TD	1/6		4.5	210	717	275	938	340	1160	340	1160		540	1842	245	2.10	2.20	7.52	580	1979	RSIR		/	/	F	UL
ML	GQR55TD	1/6+		5.5	239	815	310	1058	390	1331	480	1638		610	2081	290	2.50	2.10	7.18	665	2269	RSIR		/	/	F	UL
	GQR60TD	1/4		6.5	315	1075	378	1290	510	1740	650	2218		735	2508	320	2.90	2.30	7.84	786	2682	RSIR		/	/	F	UL
	GQR70TD	1/4		7.0	330	1126	430	1467	545	1860	750	2559		806	2750	385	3.50	2.10	7.14	862	2941	RSIR		/	/	F	UL
MQ	GQR80TD	1/4+		8.0	362	1235	470	1604	625	2133	820	2798		907	3095	415	3.80	2.20	7.46	964	3289	CSIR		161-193	/	F	UL
	GQR9OTD	1/3-		9.1	408	1392	530	1808	695	2371	890	3037		1019	3477	465	4.20	2.20	7.48	1074	3664	CSIR		161-193	/	F	UL
	GQR9OTD	1/3-		9.1	408	1392	530	1808	695	2371	890	3037		1019	3477	465	4.20	2.20	7.48	1074	3664	CSIR		161-193	/	F	UL
	GQR11TD	3/8		11.0	462	1576	600	2047	772	2634	954	3255		1100	3753	480	4.40	2.30	7.82	1155	3941	CSIR		161-193	/	F	UL
	GQR12TD	3/8+		12.8	522	1781	678	2313	872	2975	1034	3528		1270	4333	580	5.20	2.20	7.47	1325	4521	CSR		161-193	16	F	UL
	GQR14TD	1/2		14.2	583	1989	758	2586	985	3361	1218	4156		1402	4784	610	5.50	2.30	7.84	1457	4971	CSR		161-193	16	F	UL
MD	GQR12TD	3/8+		12.1	522	1781	678	2313	872	2975	1034	3528		1270	4333	580	5.20	2.20	7.47	1325	4521	CSR		161-193	10	F	UL
	GQR14TD	1/2		14.3	583	1989	758	2586	985	3361	1218	4156		1402	4784	610	5.50	2.30	7.84	1457	4971	CSR		161-193	10	F	UL
	GQR16TD	1/2+		16.1	638	2177	829	2829	1113	3798	1375	4692		1650	5630	720	5.80	2.30	7.82	1696	5787	CSR		161-193	10	F	UL

R134a 中/高背压压缩机 电压220-240V~50Hz

R134a M/HBP 220-240V~50Hz OE

产品系列 Serial	产品型号 Model	马力 HP	电压频率 V/Hz	气缸容积 Displacement(cm³)	制冷量 Cooling Capacity ASHRAE									制冷量 Cooling Capacity ASHRAE								电机类型 Motor type	启动器 Starting Device	启动电容 Starting capacitor(uF)	运行电容 Running capacitor (uF)	冷却方式 Cooling	认证 Certificate
					-15℃(5F)		-10℃(10F)		-5℃(23F)		0℃(32F)			测试工况Test Conditions: 7.2℃(45F)						10℃(50F)								
					W	Btu/h	W	Btu/h	W	Btu/h	W	Btu/h		制冷量 Capacity (W)	制冷量 Capacity (Btu/h)	输入功率 Input Power (W)	电流 Current (A)	COP (W/W)	EER (Btu/Wh)	W	Btu/h						
L	GQR30TC	1/10	220-240V/50Hz	3.0	97	331	125	427	145	495	185	631		245	836	129	0.9	1.9	6.48	275	938	RSIR	PCT/重锤 PCT/Current Starting Relay	/	/	F	CCC
	GQR35TC	1/9		3.5	135	461	175	597	195	665	265	904		385	1314	185	1.1	2.1	7.17	420	1433	RSIR		/	/	F	CCC
	GQR45TC	1/6		4.5	176	601	230	785	280	955	350	1194		450	1535	204	1.2	2.2	7.51	485	1655	RSIR		/	/	F	CCC
ML	GQR55TC	1/6+		5.5	245	836	310	1058	390	1331	525	1791		575	1962	273	1.5	2.1	7.19	615	2098	RSIR		/	/	F	CCC
	GQR60TC	1/4		6.5	335	1143	435	1484	545	1860	665	2269		705	2405	306	1.9	2.3	7.86	745	2542	RSIR		/	/	F	CCC
	GQR70TC	1/4		7.0	370	1262	480	1638	595	2030	720	2457		765	2610	364	2.1	2.1	7.17	805	2747	RSIR		/	/	F	CCC
MQ	GQR80TC	1/4+		8.0	420	1433	550	1877	680	2320	810	2764		855	2917	388	2.2	2.2	7.52	895	3054	CSIR	重锤 Current Starting Relay	80	/	F	CCC
	GQR90TC	1/3-		9.0	474	1617	621	2119	768	2620	910	3105		955	3258	434	2.3	2.2	7.51	995	3395	CSIR		80	/	F	CCC
	GQR11TC	3/8		11.0	536	1829	702	2395	868	2962	1034	3528		1079	3682	469	2.9	2.3	7.85	1119	3818	CSIR		80	/	F	CCC
MD	GQR12TC	3/8+		12.0	606	2068	793	2706	981	3347	1168	3985		1208	4122	549	3.4	2.2	7.51	1248	4258	CSIR		80	/	F	CCC
	GQR14TC	1/2		14.0	685	2337	896	3057	1108	3780	1320	4504		1365	4657	593	3.6	2.3	7.85	1305	4453	CSIR		80	/	F	CCC
	GQR16TC	1/2+		16.0	754	2573	1012	3453	1252	4272	1492	5091		1535	5237	667	4.0	2.3	7.85	1575	5374	CSIR		80	/	F	CCC

R134a 中/高背压压缩机 电压110-120V~60Hz

R134a M/HBP 110-120V~60Hz OE

产品系列 Serial	产品型号 Model	马力 HP	电压频率 V/Hz	气缸容积 Displacement(cm³)	制冷量 Cooling Capacity ASHRAE									制冷量 Cooling Capacity ASHRAE								电机类型 Motor type	启动器 Starting Device	启动电容 Starting capacitor(uF)	运行电容 Running capacitor (uF)	冷却方式 Cooling	认证 Certificate
					-15℃(5F)		-10℃(10F)		-5℃(23F)		0℃(32F)			测试工况Test Conditions: 7.2℃(45F)						10℃(50F)								
					W	Btu/h	W	Btu/h	W	Btu/h	W	Btu/h		制冷量 Capacity (W)	制冷量 Capacity (Btu/h)	输入功率 Input Power (W)	电流 Current (A)	COP (W/W)	EER (Btu/Wh)	W	Btu/h						
L	GQR30TCD	1/10	110-120V/60Hz	3.0	118	403	150	512	174	594	225	768		295	1007	134	1.8	2.2	7.51	340	1160	RSIR	PCT/重锤 PCT/Current Starting Relay	/	/	F	CCC
	GQR35TCD	1/9		3.5	162	553	210	717	234	798	320	1092		465	1587	211	2.0	2.2	7.52	504	1720	RSIR		/	/	F	CCC
	GQR45TCD	1/6		4.5	210	717	275	938	340	1160	420	1433		540	1842	245	2.1	2.2	7.52	580	1979	RSIR		/	/	F	CCC
ML	GQR55TCD	1/6+		5.5	310	1058	390	1331	480	1638	610	2081		665	2269	316	2.9	2.1	7.18	720	2457	RSIR		/	/	F	CCC
	GQR60TCD	1/4		6.5	378	1290	510	1740	650	2218	731	2494		786	2682	341	3.5	2.3	7.86	841	2869	RSIR		/	/	F	CCC
	GQR70TCD	1/4		7.0	430	1467	545	1860	750	2559	806	2750		862	2941	410	3.8	2.1	7.17	917	3129	RSIR		/	/	F	CCC
MQ	GQR80TCD	1/4+		8.0	470	1604	625	2133	820	2798	907	3095		964	3289	438	4.2	2.2	7.51	1019	3477	CSIR	重锤 Current Starting Relay	93-169	/	F	CCC
	GQR90TCD	1/3-		9.1	530	1808	695	2371	890	3037	1019	3477		1074	3664	488	3.8	2.2	7.51	1129	3852	CSIR		93-169	/	F	CCC
	GQR11TCD	3/8		11.0	600	2047	772	2634	954	3255	1100	3753		1155	3941	502	5.2	2.3	7.85	1210	4129	CSIR		93-169	/	F	CCC
MD	GQR12TCD	3/8+		12.8	678	2313	872	2975	1034	3528	1270	4333		1325	4521	602	5.5	2.2	7.51	1380	4709	CSIR		93-169	/	F	CCC
	GQR14TCD	1/2		14.2	758	2586	985	3361	1218	4156	1402	4784		1457	4971	633	5.8	2.3	7.85	1512	5159	CSIR		93-169	/	F	CCC
	GQR16TCD	1/2+		15.3	829	2829	1113	3798	1375	4692	1641	5599		1696	5787	737	6.0	2.3	7.85	1751	5974	CSIR		93-169	/	F	CCC

R134a 中/高背压压缩机 电压220-240V~50Hz

R134a M/HBP 220-240V~50Hz

产品系列 Serial	产品型号 Model	马力 HP	电压频率 V/Hz	气缸容积 Displacement(cm³)	制冷量 Cooling Capacity ASHRAE												制冷量 Cooling Capacity ASHRAE				电机类型 Motor Type	启动器 Starting Device	启动电容 Starting Capacitor (uF)	运行电容 Running Capacitor (uF)	冷却方式 Cooling	认证 Certificate
					-15℃(5F)		-10℃(10F)		测试工况 Test Conditions:-6.7℃(20F)								-5℃(23F)		0℃(32F)							
					W	Btu/h	W	Btu/h	制冷量 Capacity (W)	制冷量 Capacity (Btu/h)	输入功率 Input Power (W)	电流 Current (A)	COP (W/W)	EER (Btu/Wh)			W	Btu/h	W	Btu/h						
L	GQR30TZ	1/10	220-240V/50Hz	3.0	112	382	145	495	165	563	116	0.78	1.42	4.85			185	631	230	785	RSIR	PTC/重锤 PTC/Current Starting Relay	/	/	F	CCC
	GQR35TZ	1/9		3.5	136	464	164	560	195	665	137	0.85	1.42	4.86			215	734	265	904	RSIR		/	/	F	CCC
	GQR45TZ	1/6		4.5	177	604	230	785	265	904	140	0.97	1.89	6.46			280	955	350	1194	RSIR		/	/	F	CCC
ML	GQR55TZ	1/6+		5.5	188	641	245	836	297	1013	160	1.05	1.85	6.33			310	1058	390	1331	RSIR		/	/	F	CCC
	GQR60TZ	1/4		6.5	258	880	335	1143	410	1399	207	1.44	1.98	6.76			435	1484	545	1860	RSIR		/	/	F	CCC
	GQR70TZ	1/4		7.0	285	972	370	1262	455	1552	206	1.45	2.2	7.54			480	1638	595	2030	RSIR		/	/	F	CCC
MX	GQR80TZ	1/4+		8.0	324	1105	420	1433	520	1774	232	1.54	2.2	7.65			550	1877	680	2320	RSIR		/	/	F	CCC
	GQR9OTZ	1/3-		9.1	365	1245	474	1617	595	2030	267	1.83	2.2	7.60			621	2119	768	2620	RSIR		/	/	F	CCC
MQ	GQR80TZ	1/4+		8.0	324	1105	420	1433	520	1774	248	1.95	2.1	7.15			550	1877	680	2320	CSIR	重锤 Curren Starting Relay	80	/	F	CCC
	GQR9OTZ	1/3-		9.1	365	1245	474	1617	595	2030	285	2.23	2.08	7.12			621	2119	768	2620	CSIR		80	/	F	CCC
	GQR11TZ	3/8		11.0	412	1406	536	1829	680	2320	360	2.60	1.89	6.44			702	2395	868	2962	CSIR		80	/	F	CCC
	GQR12TZ	3/8+		12.8	467	1593	606	2068	765	2610	394	2.67	1.94	6.62			793	2706	981	3347	CSIR		80	/	F	CCC
	GQR14TZ	1/2		14.2	527	1798	685	2337	845	2883	435	2.82	1.94	6.63			896	3057	1108	3780	CSIR		80	/	F	CCC
MD	GQR16TZ	1/2+		15.3	580	1979	754	2573	960	3276	490	3.24	1.96	6.68			1012	3453	1252	4272	CSR		80	10	F	CCC

R134a 中/高背压压缩机 电压110-120V~60Hz

R134a M/HBP 110-120V~60Hz

产品系列 Serial	产品型号 Model	马力 HP	电压频率 V/Hz	气缸容积 Displacement(cm³)	制冷量 Cooling Capacity ASHRAE												制冷量 Cooling Capacity ASHRAE				电机类型 Motor Type	启动器 Starting Device	启动电容 Starting Capacitor (uF)	运行电容 Running Capacitor (uF)	冷却方式 Cooling	认证 Certificate
					-15℃(5F)		-10℃(10F)		测试工况 Test Conditions:-6.7℃(20F)								-5℃(23F)		0℃(32F)							
					W	Btu/h	W	Btu/h	制冷量 Capacity (W)	制冷量 Capacity (Btu/h)	输入功率 Input Power (W)	电流 Current (A)	COP (W/W)	EER (Btu/Wh)			W	Btu/h	W	Btu/h						
L	GQR30TZD	1/10	110-120V/60Hz	3.0	118	403	155	529	176	601	123	1.5	1.42	4.88			185	631	230	785	RSIR	PTC/重锤 PTC/Current Starting Relay	/	/	F	CCC
	GQR35TZD	1/9		3.5	162	553	164	560	195	665	137	1.7	1.42	4.86			215	734	265	904	RSIR		/	/	F	CCC
ML	GQR45TZD	1/6		4.5	210	717	230	785	265	904	140	1.9	1.89	6.46			280	955	350	1194	RSIR		/	/	F	CCC
	GQR55TZD	1/6+		5.5	310	1058	245	836	297	1013	160	2.05	1.85	6.33			310	1058	390	1331	RSIR		/	/	F	CCC
MX	GQR60TZD	1/4		6.5	378	1290	335	1143	410	1399	207	2.2	1.98	6.76			435	1484	545	1860	RSIR		/	/	F	CCC
	GQR70TZD	1/4		7.0	430	1467	370	1262	455	1552	206	2.4	2.2	7.54			480	1638	595	2030	RSIR		/	/	F	CCC
	GQR80TZD	1/4+		8.0	470	1604	420	1433	520	1774	232	2.5	2.2	7.65			550	1877	680	2320	RSIR		/	/	F	CCC
	GQR90TZD	1/3-		9.1	530	1808	474	1617	595	2030	267	2.6	2.2	7.60			621	2119	768	2620	RSIR		/	/	F	CCC
MQ	GQR80TZD	1/4+		8.0	470	1604	420	1433	520	1774	248	2.5	2.1	7.15			550	1877	680	2320	CSIR	重锤 Current Starting Relay	93-169	/	F	CCC
	GQR90TZD	1/3-		9.1	530	1808	474	1617	595	2030	285	2.6	2.08	7.12			621	2119	768	2620	CSIR		93-169	/	F	CCC
	GQR11TZD	3/8		11.0	600	2047	536	1829	680	2320	360	2.8	1.89	6.44			702	2395	868	2962	CSIR		93-169	/	F	CCC
	GQR12TZD	3/8+		12.8.	678	2313	606	2068	765	2610	394	3.0	1.94	6.62			793	2706	981	3347	CSIR		93-169	/	F	CCC
MD	GQR14TZD	1/2		14.2	758	2586	685	2337	845	2883	435	3.2	1.94	6.63			896	3057	1108	3780	CSR		93-169	25	F	CCC
	GQR16TZD	1/2+		15.3	829	2829	754	2573	960	3276	490	3.4	1.96	6.68			1012	3453	1252	4272	CSR		93-169	25	F	CCC

R290 中/低背压压缩机 电压220-240V~50Hz 普效型

中国、欧洲向冷柜、展示柜、厨房冰箱、饮料柜用压缩机

R290 L/MBP 220-240V~50Hz OE

The Chinese and European Market of Compressor for Freezer, Display case, Refrigerator for kitchen and Beverage showcase.

产品系列 Serial	产品型号 Model	马力 HP	电压频率 V/Hz	气缸容积 Displacement(cm³)	制冷量 Cooling Capacity ASHRAE														制冷量 Cooling Capacity ASHRAE					电机类型 Motor type	启动器 Starting Device	启动电容 Starting capacitor(uF)	运行电容 Running capacitor (uF)	冷却方式 Cooling	认证 Certificate
					-40℃ (-40F)		-35℃ (-31F)		-30℃(-22F)		-25℃(-13F)		测试工况Test Conditions: -23.3℃(-10F)						-20℃(-4F)	-15℃(5F)	-10℃(10F)	-5℃(23F)	0℃(32F)						
					W	Btu/h	W	Btu/h	W	Btu/h	W	Btu/h	制冷量 Capacity (W)	制冷量 Capacity (Btu/h)	输入功率 Input Power (W)	电流 Current (A)	COP (W/W)	EER (Btu/Wh)	W	W	W	W	W						
MN	GQR20U	1/10	220-240V/50Hz	1.8	20	68	48	164	62	212	70	239	77	263	96	0.68	0.80	2.73	97	125	176	240	320	RSIR	PCT/重锤 PTC/Current Starting Relay	/	/	ST	/
	GQR25U	1/7		2.5	24	82	55	188	88	300	100	341	105	358	131	0.75	0.80	2.74	130	220	270	358	460	RSIR		/	/	ST	/
L	GQR30U	1/6		3.0	25	85	56	191	90	307	112	382	110	375	96	0.85	1.15	3.92	134	226	277	368	471	RSIR		/	/	ST	CCC CB CE
XL	GQR30U	1/5-		3.0	33	113	65	222	97	331	123	420	135	461	103	0.70	1.30	4.44	158	185	235	299	379	RSIR		/	/	ST	CCC CB CE
	GQR45U	1/4		4.3	68	232	102	348	138	471	165	563	170	580	145	0.88	1.17	4.00	195	245	309	390	492	RSIR		/	/	ST	CCC CB CE
	GQR55U	1/3		5.3	90	307	118	403	152	519	205	699	225	768	204	1.56	1.10	3.75	275	348	425	519	634	RSIR		/	/	ST	CCC CB CE
ML	GQR45U	2/7		4.5	85	290	112	382	145	495	184	628	208	710	143	0.90	1.45	4.96	230	283	345	421	513	RSIR		/	/	ST	CCC CB CE
	GQR55U	1/3		5.5	110	375	145	495	188	641	238	812	265	904	183	1.20	1.45	4.94	297	364	440	532	643	RSIR		/	/	F	CCC CB CE
	GQR60U	1/3		6.5	137	467	180	614	233	795	295	1007	275	938	234	1.30	1.18	4.01	367	450	543	655	791	RSIR		/	/	F	CCC CB CE
	GQR70U	1/2-		6.5	137	467	180	614	233	795	295	1007	325	1109	250	1.40	1.30	4.44	352	435	527	640	778	RSIR		/	/	F	CCC CB CE
MX	GQR60U	1/2		6.5	137	467	180	614	233	795	295	1007	340	1160	234	1.30	1.45	4.96	367	450	543	655	791	CSIR		60	/	F	CCC CB CE
	GQR70U	1/2		7.0	154	525	197	672	265	904	327	1116	355	1211	255	1.55	1.40	4.78	399	482	575	686	818	CSIR		60	/	F	CCC CB CE
	GQR80U	3/5		8.0	184	628	227	775	302	1030	364	1242	420	1433	289	1.70	1.45	4.96	455	538	635	749	885	CSIR		60	/	F	CCC CB CE
	GQR90U	3/5		9.0	210	717	253	863	328	1119	390	1331	450	1535	310	1.90	1.45	4.95	485	568	685	826	996	CSIR		60	/	F	CCC CB CE
MQ	GQR80U	3/5		8.0	184	628	227	775	302	1030	364	1242	360	1228	250	1.80	1.44	4.91	455	538	635	749	885	CSIR		50	/	F	CCC CB CE
	GQR90U	3/5		9.0	210	717	253	863	328	1119	390	1331	450	1535	310	1.80	1.45	4.95	485	568	685	826	996	CSIR		50	/	F	CCC CB CE
	GQR11U	7/10		11.0	245	836	288	983	363	1239	425	1450	510	1740	351	2.00	1.45	4.96	540	623	740	879	1044	CSIR	重锤 Current Starting Relay	50	/	F	CCC CB CE
	GQR12U	4/5		12.0	275	938	325	1109	405	1382	475	1621	580	1979	399	2.60	1.45	4.96	605	688	805	942	1102	CSIR		50	/	F	CCC CB CE
	GQR14U	9/10		14.3	296	1010	350	1194	460	1570	600	2047	650	2218	448	3.00	1.45	4.95	753	935	1130	1266	1482	CSIR		50	/	F	CCC CB CE
MD	GQR14U	9/10		14.3	296	1010	350	1194	460	1570	600	2047	650	2218	500	3.30	1.30	4.44	753	935	1130	1266	1482	CSIR		80	/	F	CCC CB CE
	GQR16U	1		16.1	330	1057	417	1426	530	1808	686	2341	740	2525	569	3.50	1.30	4.44	855	1055	1290	1320	1520	CSR		80	10	F	CCC CB CE
	GQR19U	1+		18.0	400	1364	500	1706	660	2252	770	2627	790	2695	632	3.20	1.25	4.27	1100	1250	1420	1580	1730	CSR		80	10	F	CCC CB CE
MT	GQR21U	1-1/4		21.0	520	1774	625	2133	780	2661	920	3139	900	3071	643	3.18	1.40	4.78	1220	1380	1670	1880	2050	CSR		75	15	F	CCC
	GQR26U	1-1/3		26.0	640	2218	780	2661	880	3003	1000	3412	950	3241	772	3.30	1.38	4.71	1300	1450	1770	2020	2180	CSR	电压 PSR	100	25	F	CCC
	GQR28U	1-1/2		28.0	660	2218	800	2661	900	3071	1020	3480	1085	3702	772	4.07	1.40	4.78	1370	1510	1820	2060	2210	CSR		100	25	F	CCC

R290 中/低背压压缩机 电压110-127V~60Hz 普效型

美洲向冷柜、展示柜、厨房冰箱、饮料柜用压缩机

R290 L/MBP 110-127V~60Hz OE

The American Market of Compressor for Freezer, Display case, Refrigerator for Kitchen and Beverage showcase.

产品系列 Serial	产品型号 Model	马力 HP	电压频率 V/Hz	气缸容积 Displacement(cm³)	制冷量 Cooling Capacity ASHRAE														制冷量 Cooling Capacity ASHRAE					电机类型 Motor type	启动器 Starting Device	启动电容 Starting capacitor(uF)	运行电容 Running capacitor (uF)	冷却方式 Cooling	认证 Certificate
					-40℃ (-40F)		-35℃ (-31F)		-30℃(-22F)		-25℃(-13F)		测试工况Test Conditions: -23.3℃(-10F)						-20℃(-4F)	-15℃(5F)	-10℃(10F)	-5℃(23F)	0℃(32F)						
					W	Btu/h	W	Btu/h	W	Btu/h	W	Btu/h	制冷量 Capacity (W)	制冷量 Capacity (Btu/h)	输入功率 Input Power (W)	电流 Current (A)	COP (W/W)	EER (Btu/Wh)	W	W	W	W	W						
XL	GQR30UD	1/4-	110-127V/60Hz	3.0	43	147	75	256	110	375	149	508	172	587	127	1.46	1.35	4.61	196	241	306	390	494	RSIR	PTC/重锤 Current Starting Relay	/	/	ST	ETL
	GQR40UD	1/4		3.9	55	188	97	331	142	485	193	659	215	734	159	1.60	1.35	4.61	253	311	395	504	637	RSIR		/	/	F	ETL
ML	GQR45UD	1/3-		4.5	58	196	101	345	147	502	200	683	230	785	164	2.30	1.40	4.78	262	322	409	522	660	RSIR		/	/	F	ETL
	GQR55UD	1/3		5.5	69	235	121	413	176	601	239	816	280	955	200	2.32	1.40	4.78	314	385	490	624	789	RSIR		/	/	F	ETL
	GQR60UD	2/5		6.0	74	252	130	443	189	644	257	876	295	1007	219	2.91	1.35	4.61	336	413	525	670	847	CSIR		161~193	/	F	ETL
	GQR70UD	1/2		7.0	94	321	165	564	241	821	327	1116	376	1283	269	3.28	1.40	4.78	429	526	669	854	1079	CSIR		161~193	/	F	ETL
MX	GQR60UD	1/3		6.0	75	256	132	450	192	655	261	891	340	1160	234	2.80	1.45	4.95	342	420	534	681	861	CSIR		161~193	/	F	ETL
	GQR70UD	1/3		7.0	95	324	167	570	243	830	331	1128	380	1297	257	3.10	1.48	5.05	433	532	676	863	1091	CSIR		161~193	/	F	ETL
MD	GQR80UD	1/3+		8.0	105	358	185	631	269	917	365	1247	420	1433	290	3.60	1.45	4.95	479	588	748	953	1205	CSIR		161~193	/	F	ETL
	GQR90UD	1/2-		9.0	115	392	202	691	294	1004	400	1365	460	1570	317	3.95	1.45	4.95	524	644	819	1044	1320	CSIR		161~193	/	F	ETL
	GQR11UD	1/2		11.0	130	444	229	781	333	1136	452	1544	520	1774	359	3.80	1.45	4.95	593	728	926	1180	1492	CSR	重锤 Current Starting Relay	161~193	16	F	ETL
	GQR12UD	1/2+		12.0	155	529	273	931	397	1354	539	1840	620	2115	443	4.21	1.40	4.78	707	868	1104	1407	1779	CSR		161~193	16	F	ETL

R290 中/高背压压缩机 电压220-240V~50Hz 普效款

R290 M/HBP 220-240V~50Hz OE

产品系列 Serial	产品型号 Model	马力 HP	电压频率 V/Hz	气缸容积 Displacement(cm³)	制冷量 Cooling Capacity ASHRAE									制冷量 Cooling Capacity ASHRAE								电机类型 Motor type	启动器 Starting Device	启动电容 Starting capacitor(uF)	运行电容 Running capacitor (uF)	冷却方式 Cooling	认证 Certificate
					-15℃(-5F)		-10℃(10F)		-5℃(23F)		0℃(32F)			测试工况Test Conditions: 7.2℃(45F)						10℃(50F)								
					W	Btu/h	W	Btu/h	W	Btu/h	W	Btu/h		制冷量 Capacity (W)	制冷量 Capacity (Btu/h)	输入功率 Input Power (W)	电流 Current (A)	COP (W/W)	EER (Btu/Wh)	W	Btu/h						
MN	GQR20UG	1/10-	220-240V/50Hz	1.8	75	256	94	321	118	403	153	522		225	768	105	1.30	2.14	7.30	268	914	RSCR	PTC	/	3	F	CCC
	GQR25UG	1/10+		2.5	97	331	122	416	153	522	198	676		292	996	182	1.00	1.60	5.46	348	1187	RSIR		/	/	F	CCC
XL	GQR30UG	1/9-		3.0	140	478	175	597	220	751	285	972		420	1433	162	0.85	2.60	8.87	500	1706	RSIR	PTC/Current Starting Relay 重锤	/	/	F	CCC
	GQR45UG	1/6		4.3	210	717	255	870	310	1058	398	1358		545	1860	227	1.30	2.40	8.19	710	2423	RSIR		/	/	F	CCC
	GQR55UG	1/5		5.3	288	983	348	1187	438	1494	548	1870		692	2361	322	1.85	2.15	7.34	819	2794	RSIR		/	/	F	CCC
ML	GQR45UG	1/6		4.5	228	778	283	966	350	1194	440	1501		565	1928	230	1.20	2.46	8.39	725	2474	RSIR		/	/	F	CCC
	GQR55UG	1/5		5.5	290	989	350	1194	440	1501	550	1877		695	2371	273	1.55	2.55	8.70	820	2798	RSIR		/	/	F	CCC
	GQR60UG	1/4		6.0	316	1078	395	1348	490	1672	616	2102		790	2695	316	1.74	2.50	8.53	948	3235	RSIR		/	/	F	CCC
MX	GQR60UG	1/4		6.0	336	1146	420	1433	520	1774	655	2235		840	2866	323	1.75	2.60	8.87	1008	3439	RSIR		/	/	F	CCC
	GQR70UG	1/3		7.0	400	1365	500	1706	620	2115	780	2661		1000	3412	455	2.40	2.20	7.51	1200	4094	RSIR		/	/	F	CCC
	GQR80UG	3/8		8.0	456	1556	570	1945	707	2412	889	3033		1140	3890	422	2.00	2.70	9.21	1368	4668	RSCR		/	5	F	CCC
	GQR90UG	3/8+		9.0	500	1706	625	2133	775	2644	975	3327		1250	4265	500	2.64	2.50	8.53	1500	5118	RSCR		/	10	F	CCC
MQ	GQR80UG	3/8		8.0	460	1570	575	1962	713	2433	897	3061		1150	3924	418	2.40	2.75	9.38	1380	4709	CSIR	Current Starting Relay 重锤	50	/	F	CCC
	GQR90U G	3/8+		9.0	512	1747	640	2184	794	2709	998	3405		1280	4367	492	2.70	2.60	8.87	1536	5241	CSIR		50	/	F	CCC
	GQR12UG	3/8+		12.0	600	2047	750	2559	930	3173	1170	3992		1500	5118	652	2.60	2.30	7.85	1800	6142	CSR		50	10	F	CCC
	GQR14UG	3/8+		14.0	772	2634	965	3293	1197	4084	1505	5135		1930	6585	715	3.20	2.70	9.21	2316	7902	CSR		50	10	F	CCC
MD	GQR16UG	4/5		16.1	844	2880	1055	3600	1309	4466	1645	5613		2110	7199	982	6.80	2.15	7.34	2532	8639	CSR		80	10	F	CCC
	GQR19UG	9/10		18.0	936	3194	1170	3992	1452	4953	1824	6225		2340	7984	1088	7.00	2.15	7.34	2808	9581	CSR		80	10	F	CCC
MT	GQR21UG	1		21.0	1080	3685	1057	3606	1675	5715	2105	7182		2700	9212	1076	6.20	2.50	8.53	3240	11055	PSR	电压 PSR	75	15	F	CCC

R404A 中/低背压压缩机 电压220-240V~50Hz 电压110-120V~60Hz 普效型

R404A L/MBP 220-240V~50Hz 110-120V~60Hz OE

产品系列 Serial	产品型号 Model	马力 HP	电压频率 V/Hz	气缸容积 Displacement(cm³)	制冷量 Cooling Capacity ASHRAE														制冷量 Cooling Capacity ASHRAE					电机类型 Motor type	启动器 Starting Device	启动电容 Starting capacitor(uF)	运行电容 Running capacitor (uF)	冷却方式 Cooling	认证 Certificate
					-40℃ (-40F)		-35℃ (-31F)		-30℃(-22F)		-25℃(-13F)		测试工况Test Conditions: -23.3℃(-10F)						-20℃(-4F)	-15℃(5F)	-10℃(10F)	-5℃(23F)	0℃(32F)						
					W	Btu/h	W	Btu/h	W	Btu/h	W	Btu/h	制冷量 Capacity (W)	制冷量 Capacity (Btu/h)	输入功率 Input Power (W)	电流 Current (A)	COP (W/W)	EER (Btu/Wh)	W	W	W	W	W						
ML	GQR45K	1/5	220-247V/50Hz	4.5	95	324	135	461	165	563	215	734	244	833	168	1.2	1.45	4.95	275	355	425	549	708	RSIR	PCT/重锤 PTC/Current Starting Relay	/	/	F	/
MX	GQR55K	1/4		5.5	125	427	165	563	210	717	265	904	325	1109	210	1.5	1.55	5.29	330	410	495	615	764	RSIR		/	/	F	/
	GQR60K	1/3		6.5	145	495	185	631	238	812	312	1065	365	1245	251	1.5	1.45	4.95	435	520	625	747	893	RSIR		/	/	F	/
MQ	GQR70K	1/3		7.0	155	529	205	699	265	904	358	1221	395	1348	272	1.7	1.45	4.95	475	570	675	810	972	CSIR		50	/	F	/
	GQR80K	1/3+		8.0	175	597	225	768	315	1075	407	1389	465	1587	320	1.8	1.45	4.95	565	675	785	938	1120	CSIR		50	/	F	/
	GQR90K	1/2-		9.0	205	699	255	870	356	1215	445	1518	515	1757	355	1.9	1.45	4.95	625	735	855	1005	1182	CSIR		50	/	F	/
	GQR11K	1/2		11.0	245	836	295	1007	395	1348	485	1655	565	1928	389	2.2	1.45	4.95	685	795	905	1050	1219	CSIR		50	/	F	/
MD	GQR12K	3/4		12.1	275	938	325	1109	425	1450	545	1860	640	2184	474	3.5	1.35	4.61	715	833	995	1120	1327	CSIR	重锤 Current Starting Relay	80	/	F	CCC CB CE
	GQR14K	3/4		14.3	315	1075	375	1280	495	1689	655	2235	750	2559	550	3.5	1.35	4.61	815	995	1150	1290	1585	CSR		80	10	F	CCC CB CE
	GQR16K	4/5		16.1	345	1177	445	1518	585	1996	755	2576	850	2900	645	4.5	1.35	4.61	965	1033	1230	1353	1676	CSR		80	10	F	CCC CB CE
	GQR19K	7/8		18.0	420	1433	510	1740	650	2218	800	2730	920	3139	718	4.5	1.35	4.61	1085	1130	1350	1480	1830	CSR		80	10	F	CCC CB CE
MT	GQR21K	1.0		21.0	420	1433	570	1945	710	2423	960	3276	1000	3412	833	5.4	1.25	4.27	1180	1350	1530	1810	2210	PSR	电压 PSR	100	25	F	/
	GQR26K	1+		23.0	503	1716	615	2098	810	2764	1130	3856	1200	4094	960	5.8	1.25	4.27	1310	1415	1780	1890	2380	PSR		100	25	F	/
ML	GQR45KD	1/4	110-127V/60Hz	4.5	95	324	135	461	165	563	215	734	281	957	200	2.2	1.40	4.78	275	355	425	549	708	CSIR		161~193	/	F	/
MX	GQR55KD	1/3		5.5	125	427	165	563	210	717	265	904	370	1262	260	3.1	1.45	4.95	330	410	495	615	764	CSIR		161~193	/	F	/
	GQR60KD	1/3		6.5	145	495	185	631	238	812	312	1065	420	1432	300	2.8	1.40	4.78	435	520	625	747	893	CSIR		161~193	/	F	/
MQ	GQR70KD	1/2		7.7	155	529	205	699	265	904	358	1221	520	1774	330	3.1	1.55	5.29	475	570	675	810	972	CSR	重锤 Current Starting Relay	161~193	16	F	/
	GQR80KD	1/2+		8.3	175	597	225	768	315	1075	407	1389	570	1945	365	3.4	1.55	5.29	565	675	785	938	1120	CSR		161~193	16	F	/
	GQR90KD	3/4		9.5	205	699	255	870	356	1215	445	1518	630	2150	420	3.4	1.50	5.12	625	735	855	1005	1182	CSR		161~193	16	F	/
	GQR11KD	3/4+		10.8	245	836	295	1007	395	1348	485	1655	710	2423	473	3.5	1.50	5.12	685	795	905	1050	1219	CSR		161~193	16	F	/
MD	GQR12KD	3/4		12.1	275	938	325	1109	425	1450	545	1860	770	2627	573	5.4	1.35	4.61	715	833	995	1120	1327	CSR		250	20	F	/
	GQR14KD*	4/5		14.3	315	1075	375	1280	495	1689	655	2235	863	2943	639	5.5	1.35	4.61	815	995	1150	1290	1585	CSR		250	20	F	/
	GQR16KD*	7/8		16.1	345	1177	445	1518	585	1996	755	2576	978	3335	724	5.8	1.35	4.61	965	1033	1230	1353	1676	CSR		250	20	F	/

R404A 中/高背压压缩机 电压220-240V~50Hz 普效型

R404A M/HBP 220-240V~50Hz OE

产品系列 Serial	产品型号 Model	马力 HP	电压频率 V/Hz	气缸容积 Displacement(cm³)	制冷量 Cooling Capacity ASHRAE								制冷量 Cooling Capacity ASHRAE						电机类型 Motor type	启动器 Starting Device	启动电容 Starting capacitor(uF)	运行电容 Running capacitor (uF)	冷却方式 Cooling	认证 Certificate
					-15℃ (5F)		-10℃ (10F)		-5℃(23F)		0℃(32)		测试工况Test Conditions: 7.2℃(45F)											
					W	Btu/h	W	Btu/h	W	Btu/h	W	Btu/h	制冷量 Capacity (W)	制冷量 Capacity (Btu/h)	输入功率 Input Power (W)	电流 Current (A)	COP (W/W)	EER (Btu/Wh)						
MD	GQR12K G	1/2+	220-240V/50Hz	12.1	833	2839	862	2938	1080	3681	1327	4522	1895	6466	861	4.15	2.20	7.51	CSR	重锤 Current Starting Relay	80	10	F	CCC CB CE
	GQR14K G	1/2+		14.3	995	3391	1030	3510	1290	4397	1585	5402	2180	7438	991	5.2	2.20	7.51	CSR		80	16	F	CCC CB CE
	GQR16K G	3/4		16.1	1033	3524	1068	3644	1353	4616	1676	5718	2390	8155	1086	6.4	2.20	7.51	CSR		80	16	F	CCC CB CE
MT	GQR19K G	3/4		19.0	1130	3856	1350	4606	1480	5050	1830	6244	2400	8189	1104	5.0	2.17	7.42	PSR	电压 PSR	100	25	F	CCC CB CE
	GQR21K G	1.0		21.0	1390	4743	1450	4947	1830	6244	2230	7609	2895	9878	1318	6.0	2.2	7.49	PSR		100	25	F	/
	GQR23K G	1+		23.0	1460	4982	1800	6142	1910	6517	2408	8216	3320	11328	1509	6.5	2.2	7.51	PSR		100	25	F	/

R600a L/MBP

产品系列 Serial	产品型号 Model	气缸容积 Displacement (cm³)	转速 Rotate Speed	测试工况 Test Conditions:-23.3℃ (-10F) 制冷量 Capacity (W)	制冷量 Capacity (Btu/h)	制冷量 Capacity (Kcal)	COP (W/W)	COP (Btu/h)	电机类型 Motor Type	冷却方式 Cooling	认证 Certificate
VL	VLU90Y	8.9	50(1500rpm)	76	259	65	1.52	5.19	BLDC	S	CCC
			53(1600rpm)	82	280	71	1.62	5.53	BLDC	S	CCC
			80(2400rpm)	124	423	107	1.65	5.63	BLDC	S	CCC
			100(3000rpm)	155	529	133	1.60	5.46	BLDC	S	CCC
			140(4200rpm)	196	669	169	1.45	4.95	BLDC	S	CCC
	VLH90Y	8.9	44(1320rpm)	66	225	57	1.65	5.63	BLDC	S	CCC
			53(1600rpm)	82	280	71	1.70	5.80	BLDC	S	CCC
			80(2400rpm)	124	423	107	1.75	5.97	BLDC	S	CCC
			100(3000rpm)	155	529	133	1.73	5.90	BLDC	S	CCC
			150(4500rpm)	210	717	181	1.60	5.46	BLDC	S	CCC
	VLB90Y	8.9	44(1320rpm)	66	225	57	1.78	6.07	BLDC	S	CCC
			53(1600rpm)	82	280	71	1.88	6.41	BLDC	S	CCC
			80(2400rpm)	124	423	107	1.90	6.48	BLDC	S	CCC
			100(3000rpm)	155	529	133	1.86	6.35	BLDC	S	CCC
			150(4500rpm)	210	717	181	1.66	5.66	BLDC	S	CCC
	VLH11Y	10.5	44(1320rpm)	82	280	71	1.63	5.56	BLDC	S	CCC
			53(1600rpm)	101	345	87	1.70	5.80	BLDC	F	CCC
			80(2400rpm)	152	519	131	1.75	5.97	BLDC	F	CCC
			100(3000rpm)	189	645	163	1.72	5.87	BLDC	F	CCC
			150(4500rpm)	255	870	219	1.60	5.46	BLDC	F	CCC
	VLX11Y	10.5	44(1320rpm)	82	280	71	1.75	5.97	BLDC	F	CCC
			53(1600rpm)	101	345	87	1.80	6.14	BLDC	F	CCC
			80(2400rpm)	152	519	131	1.83	6.24	BLDC	F	CCC
			100(3000rpm)	189	645	163	1.80	6.14	BLDC	F	CCC
			150(4500rpm)	255	870	219	1.61	5.49	BLDC	F	CCC
VX	VXD55Y	5.5	33(990rpm)	30	102	26	1.70	5.80	BLDC	S	CCC
			40(1200rpm)	38	130	33	1.90	6.48	BLDC	S	CCC
			53(1600rpm)	50	171	43	1.95	6.65	BLDC	S	CCC
			80(2400rpm)	75	256	64	1.93	6.59	BLDC	S	CCC
			100(3000rpm)	90	307	77	1.90	6.48	BLDC	S	CCC
			100(3000rpm)	130	444	112	1.70	5.80	BLDC	S	CCC
	VXX70Y	7.2	40(1200rpm)	55	188	47	1.82	6.21	BLDC	S	CCC
			53(1600rpm)	75	256	64	1.85	6.31	BLDC	S	CCC
			80(2400rpm)	108	369	93	1.86	6.35	BLDC	S	CCC
			100(3000rpm)	134	457	115	1.83	6.24	BLDC	S	CCC
			150(4500rpm)	180	614	155	1.65	5.63	BLDC	S	CCC
	VXD70Y	7.2	33(990rpm)	45	154	39	1.80	6.14	BLDC	S	CCC
			40(1200rpm)	55	188	47	1.95	6.65	BLDC	S	CCC
			53(1600rpm)	75	256	64	2.00	6.82	BLDC	S	CCC
			80(2400rpm)	108	369	93	1.98	6.76	BLDC	S	CCC
			100(3000rpm)	134	457	115	1.92	6.55	BLDC	S	CCC
			150(4500rpm)	180	614	155	1.70	5.80	BLDC	S	CCC
	VXB90Y	8.9	40(1200rpm)	65	222	56	1.87	6.38	BLDC	S	CCC
			53(1600rpm)	85	290	73	1.92	6.55	BLDC	S	CCC
			80(2400rpm)	130	444	112	1.90	6.48	BLDC	S	CCC
			100(3000rpm)	160	546	138	1.88	6.41	BLDC	S	CCC
			150(4500rpm)	215	734	185	1.70	5.80	BLDC	S	CCC
	VXD90Y	8.9	33(990rpm)	53	181	46	1.80	6.14	BLDC	S	CCC
			40(1200rpm)	65	222	56	1.95	6.65	BLDC	S	CCC
			53(1600rpm)	85	290	73	2.00	6.82	BLDC	S	CCC
			80(2400rpm)	130	444	112	1.98	6.76	BLDC	S	CCC
			100(3000rpm)	160	546	138	1.92	6.55	BLDC	S	CCC
			150(4500rpm)	215	734	185	1.70	5.80	BLDC	S	CCC
VX	VXN90Y	8.9	33(990rpm)	53	181	46	1.86	6.14	BLDC	S	CCC
			40(1200rpm)	65	222	56	1.97	6.65	BLDC	S	CCC
			53(1600rpm)	85	290	73	2.00	6.82	BLDC	S	CCC
			80(2400rpm)	130	444	112	2.03	6.76	BLDC	S	CCC
			100(3000rpm)	160	546	138	1.98	6.55	BLDC	S	CCC
			150(4500rpm)	215	734	185	1.74	5.80	BLDC	S	CCC
	VXG11Y	8.9	40(1200rpm)	80	273	69	1.58	5.39	BLDC	F	CCC
			53(1600rpm)	108	369	93	1.72	5.87	BLDC	F	CCC
			80(2400rpm)	165	563	142	1.75	5.97	BLDC	F	CCC
			100(3000rpm)	205	699	176	1.70	5.80	BLDC	F	CCC
			150(4500rpm)	270	921	232	1.60	5.46	BLDC	F	CCC
	VXX11Y	11.3	40(1200rpm)	80	273	69	1.80	6.14	BLDC	F	CCC
			53(1600rpm)	108	369	93	1.83	6.24	BLDC	F	CCC
			80(2400rpm)	165	563	142	1.85	6.31	BLDC	F	CCC
			100(3000rpm)	205	699	176	1.82	6.21	BLDC	F	CCC
			150(4500rpm)	270	921	232	1.62	5.53	BLDC	F	CCC
	VMN70Y	11.3	30(900rpm)	40	136	34	1.74	5.94	BLDC	S	CCC
			53(1600rpm)	75	256	64	2.08	7.10	BLDC	S	CCC
			80(2400rpm)	108	369	93	2.06	7.03	BLDC	S	CCC
			100(3000rpm)	134	457	115	1.97	6.72	BLDC	S	CCC
			150(4500rpm)	190	648	163	1.75	5.97	BLDC	S	CCC
	VMF70Y	7.2	40(1200rpm)	54	184	46	2.03	6.93	BLDC	S	CCC
			60(1800rpm)	75	256	64	2.12	7.23	BLDC	S	CCC
			80(2400rpm)	90	307	77	2.05	6.99	BLDC	S	CCC
			100(3000rpm)	108	369	93	2.03	6.93	BLDC	S	CCC
			150(4500rpm)	178	607	153	1.80	6.14	BLDC	S	CCC
	VML70Y	7.2	32(950rpm)	45	154	39	1.82	6.21	BLDC	S	CCC
			53(1600rpm)	75	256	64	2.12	7.23	BLDC	S	CCC
			80(2400rpm)	108	369	93	2.12	7.23	BLDC	S	CCC
			100(3000rpm)	134	457	115	1.92	6.55	BLDC	S	CCC
			150(4500rpm)	190	648	163	1.61	5.49	BLDC	S	CCC
	VMF90Y	8.9	40(1200rpm)	60	205	52	2.03	6.93	BLDC	S	CCC
			60(1800rpm)	97	331	83	2.14	7.30	BLDC	S	CCC
			80(2400rpm)	130	444	112	2.05	6.99	BLDC	S	CCC
			100(3000rpm)	156	532	134	2.03	6.93	BLDC	S	CCC
			150(4500rpm)	215	734	185	1.76	6.01	BLDC	S	CCC
VM	VMN90Y	8.9	30(900rpm)	48	164	41	1.74	5.94	BLDC	S	CCC
			521600rpm	85	290	73	2.08	7.10	BLDC	S	CCC
			80(2400rpm)	132	450	113	2.06	7.03	BLDC	S	CCC
			100(3000rpm)	160	546	138	1.97	6.72	BLDC	S	CCC
			150(4500rpm)	225	768	193	1.75	5.97	BLDC	S	CCC
	VML90Y	8.9	32(950rpm)	50	171	43	1.82	6.21	BLDC	S	CCC
			53(1600rpm)	85	290	73	2.12	7.23	BLDC	S	CCC
			80(2400rpm)	132	450	113	2.12	7.23	BLDC	S	CCC
			100(3000rpm)	160	546	138	1.92	6.55	BLDC	S	CCC
			150(4500rpm)	225	768	193	1.61	5.49	BLDC	S	CCC
	VMN11Y	11.3	40(1200rpm)	80	273	69	1.92	6.55	BLDC	S	CCC
			53(1600rpm)	108	369	93	2.02	6.89	BLDC	F	CCC
			80(2400rpm)	165	563	142	2.01	6.86	BLDC	F	CCC
			100(3000rpm)	205	699	176	1.94	6.62	BLDC	F	CCC
			150(4500rpm)	280	955	241	1.60	5.46	BLDC	F	CCC
	VMB13Y	13.2	40(1200rpm)	95	324	82	1.82	6.21	BLDC	F	CCC
			53(1600rpm)	128	437	110	1.90	6.48	BLDC	F	CCC
			80(2400rpm)	190	648	163	1.88	6.41	BLDC	F	CCC
			100(3000rpm)	232	792	199	1.86	6.35	BLDC	F	CCC
			150(4500rpm)	316	1078	272	1.70	5.80	BLDC	F	CCC

R134a L/MBP

产品系列 Serial	产品型号 Model	气缸容积 Displacement (cm³)	转速 Rotate Speed	测试工况 Test Conditions:-23.3℃ (-10F)					电机类型 Motor Type	冷却方式 Cooling	认证 Certificate
				制冷量 Capacity (W)	制冷量 Capacity (Btu/h)	制冷量 Capacity (Kcal)	COP (W/W)	COP (Btu/h)			
VX	VXC57Z	5.5	2200rpm	122	416	105	1.75	5.97	BLDC	S	/
			3000rpm	164	560	141	1.70	5.80	BLDC	S	/
			3500rpm	190	648	163	1.68	5.73	BLDC	S	/
			4200rpm	220	751	189	1.65	5.63	BLDC	S	/
	VXC75Z	7.2	2200rpm	165	563	142	1.75	5.97	BLDC	F	/
			3000rpm	225	768	193	1.70	5.80	BLDC	F	/
			3500rpm	260	887	224	1.68	5.73	BLDC	F	/
			4200rpm	315	1075	271	1.65	5.63	BLDC	F	/
	VXC80Z	8.1	2200rpm	195	665	168	1.75	5.97	BLDC	F	/
			3000rpm	255	870	219	1.70	5.80	BLDC	F	/
			3500rpm	290	989	249	1.68	5.73	BLDC	F	/
			4200rpm	330	1126	284	1.65	5.63	BLDC	F	/
VM	VMC57Z	5.5	40(1200rpm)	60	208	52	1.60	5.46	BLDC	F	/
			53(1600rpm)	82	280	71	1.68	5.73	BLDC	F	/
			80(2400rpm)	125	427	107	1.72	5.87	BLDC	F	/
			100(3000rpm)	158	539	136	1.70	5.80	BLDC	F	/
			150(4500rpm)	240	819	206	1.60	5.46	BLDC	F	/
	VMC57ZA	5.5	40(1200rpm)	60	205	52	1.60	5.46	BLDC	F	/
			53(1600rpm)	82	280	71	1.68	5.73	BLDC	F	/
			80(2400rpm)	125	427	107	1.72	5.87	BLDC	F	/
			100(3000rpm)	158	539	136	1.70	5.80	BLDC	F	/
			150(4500rpm)	240	819	206	1.60	5.46	BLDC	F	/
	VMX57Z	5.5	40(1200rpm)	60	205	52	1.65	5.63	BLDC	F	/
			53(1600rpm)	82	280	71	1.72	5.87	BLDC	F	/
			80(2400rpm)	125	427	107	1.77	6.04	BLDC	F	/
			100(3000rpm)	158	539	136	1.77	6.04	BLDC	F	/
			150(4500rpm)	240	819	206	1.69	5.77	BLDC	F	/
	VMC75Z	7.2	40(1200rpm)	85	290	73	1.60	5.46	BLDC	F	/
			53(1600rpm)	111	379	95	1.68	5.73	BLDC	F	/
			80(2400rpm)	167	570	144	1.72	5.87	BLDC	F	/
			100(3000rpm)	207	706	178	1.70	5.80	BLDC	F	/
			150(4500rpm)	310	1058	267	1.60	5.46	BLDC	F	/
	VMC75ZA	7.2	40(1200rpm)	85	290	73	1.60	5.46	BLDC	F	/
			53(1600rpm)	111	379	95	1.68	5.73	BLDC	F	/
			80(2400rpm)	167	570	144	1.72	5.87	BLDC	F	/
			100(3000rpm)	207	706	178	1.70	5.80	BLDC	F	/
			150(4500rpm)	310	1058	267	1.60	5.46	BLDC	F	/
	VMX75Z	7.2	40(1200rpm)	85	290	73	1.74	5.94	BLDC	F	/
			53(1600rpm)	111	379	95	1.78	6.07	BLDC	F	/
			80(2400rpm)	167	570	144	1.79	6.11	BLDC	F	/
			100(3000rpm)	207	706	178	1.77	6.04	BLDC	F	/
			150(4500rpm)m	310	1058	267	1.65	5.63	BLDC	F	/

R290 L/MBP

产品系列 Serial	产品型号 Model	气缸容积 Displacement (cm³)	转速 Rotate Speed	测试工况 Test Conditions:-23.3℃ (-10F)					电机类型 Motor Type	冷却方式 Cooling	认证 Certificate
				制冷量 Capacity (W)	制冷量 Capacity (Btu/h)	制冷量 Capacity (Kcal)	COP (W/W)	COP (Btu/h)			
VX	VXH55	5.5	1600rpm	143	488	123	1.70	5.80	PMSM	F	/
			2400rpm	225	768	193	1.79	6.11	PMSM	F	/
			3000rpm	290	989	249	1.78	6.07	PMSM	F	/
			4000rpm	402	1372	346	1.76	6.01	PMSM	F	/
	VXH70U	7.2	1600rpm	187	638	161	1.70	5.80	PMSM	F	/
			2400rpm	295	1007	254	1.79	6.11	PMSM	F	/
			3000rpm	380	1297	327	1.78	6.07	PMSM	F	/
			4000rpm	526	1795	452	1.76	6.01	PMSM	F	/
VM	VMC55U	5.5	1600rpm	143	488	123	1.58	5.39	PMSM	F	/
			2400rpm	225	768	193	1.69	5.77	PMSM	F	/
			3000rpm	290	989	249	1.71	5.83	PMSM	F	/
			4000rpm	402	1372	346	1.71	5.83	PMSM	F	/
	VMB55U	5.5	1600rpm	146	498	126	1.82	6.21	PMSM	F	/
			2400rpm	221	754	190	1.87	6.38	PMSM	F	/
			3000rpm	281	959	242	1.85	6.31	PMSM	F	/
			4200rpm	394	1344	339	1.80	6.14	PMSM	F	/
	VMX55U	5.5	1600rpm	150	512	129	1.73	5.90	PMSM	F	/
			2400rpm	231	788	199	1.82	6.21	PMSM	F	/
			3000rpm	291	993	250	1.81	6.18	PMSM	F	/
			4500rpm	424	1447	365	1.76	6.01	PMSM	F	/
	VMX70U	7.2	1600rpm	187	638	161	1.7	5.80	PMSM	F	/
			2400rpm	295	1007	254	1.79	6.11	PMSM	F	/
			3000rpm	380	1297	327	1.78	6.07	PMSM	F	/
			4000rpm	526	1795	452	1.76	6.01	PMSM	F	/
	VMB70U	7.2	1600rpm	199	679	171	1.81	6.18	PMSM	F	/
			2400rpm	306	1044	263	1.87	6.38	PMSM	F	/
			3000rpm	388	1324	334	1.85	6.31	PMSM	F	/
			3600rpm	471	1607	405	1.82	6.21	PMSM	F	/
	VMX70U	7.2	1600rpm	196	669	169	1.72	5.87	PMSM	F	/
			2400rpm	302	1030	260	1.81	6.18	PMSM	F	/
			3000rpm	381	1300	328	1.80	6.14	PMSM	F	/
			4500rpm	555	1894	477	1.75	5.97	PMSM	F	/
	VMX90U	8.9	1800rpm	282	962	242	1.75	5.97	PMSM	F	/
			2400rpm	383	1307	329	1.79	6.11	PMSM	F	/
			3000rpm	473	1614	407	1.79	6.11	PMSM	F	/
			4500rpm	675	2303	580	1.72	5.87	PMSM	F	/
	VMX11U	11.3	1800rpm	349	1191	300	1.71	5.83	PMSM	F	/
			2400rpm	470	1604	404	1.77	6.04	PMSM	F	/
			3000rpm	580	1979	499	1.77	6.04	PMSM	F	/
			4500rpm	820	2798	705	1.71	5.83	PMSM	F	/
	VMX13U	12.9	1800rpm	615	2098	2529	1.76	6.01	PMSM	F	/
			2400rpm	285	972	245	1.80	6.14	PMSM	F	/
			3000rpm	438	1494	377	1.79	6.11	PMSM	F	/
			4500rpm	553	1887	475	1.71	5.83	PMSM	F	/
			5000rpm	1076	3671	925	1.66	5.66	PMSM	F	/
	VMC15U	14.8	1800rpm	450	1535	387	1.72	5.87	PMSM	F	/
			2400rpm	625	2133	537	1.75	5.97	PMSM	F	/
			3000rpm	775	2644	666	1.73	5.90	PMSM	F	/
			4500rpm	1090	3719	937	1.62	5.53	PMSM	F	/
			5000rpm	1170	3992	1006	1.58	5.39	PMSM	F	/

备注：1.变频控制器输入电源：220-240V~50/60Hz,115-127V/60Hz,两种电源供客户选择；2.两种驱动方式：电控(FCM)、机控(DCM),供客户选择；
Note: 1.Input power supply for the freauency converter contrller:220-240V-50/60Hz,115-127V/60Hz, two power supplies are vailable for customers to choose from;
2.Two driving modes:electric control(FCM),mechanical control(DCM), available for customers to choose from.

MEDIUM/HIGH BACK PRESSURE COMPRESSOR R404A

中/高回压压缩机R404A





◎ 冷凝温度范围≤65℃
Condensing Temp Range≤65℃

◎ 压缩机保护装置采用内置式保护器和安全阀
Compressor Internal Protectors:Internal Motor Protector and Pressure Relief Value

◎ 电源60Hz时制冷量等于50Hz时制冷量的1.2倍
To obtain refrigeration capacity at 60Hz, multiply its values at 50Hz by 1.2

◎ 冷凝温度为45℃
Condensing Temp:45℃

压缩机型号 Serial	马力 HP	气缸排气量 Displacement(cm³)	电源 Power Source	冷凝温度 Condensing Temperature	名义制冷量 Nominal Capacity(W)	能效比(W/W) COP	噪声dB(A)（声压级） Noise(SPL)	蒸发温度(W) Evaporating Temperature					
								-25℃ 12°F	-15℃ +5°F	-10℃ +14°F	0℃ +32°F	+7.2℃ +45°F	+15℃ +59°F
GQR410KG	1-3/4	39.95	220-240V/1PH/50Hz 208-230V/1PH/60Hz	54.5℃/50Hz	5480	3	≤62	966*	1540	2240	3950	5480	7460
GQR440KG	2	44			5977	3	≤62	1379*	1850	2580	4370	5977	8110
GQR520KG	2.5	52			7146	3	≤64	1508*	2260	3240	5400	7146	9320
GQR580KG	3	58.2			7967	3.1	≤65	1635*	2390	3310	5720	7967	10240
GQR620KG	3	62.7			8613	3.1	≤65	1998*	2970	3960	6420	8613	11540





◎ 冷凝温度范围≤65℃
Condensing Temp Range≤65℃

◎ 压缩机保护装置采用内置式保护器和安全阀
Compressor Internal Protectors:Internal Motor Protector and Pressure Relief Value

◎ 电源60Hz时制冷量等于50Hz时制冷量的1.2倍
To obtain refrigeration capacity at 60Hz, multiply its values at 50Hz by 1.2

◎ 冷凝温度为45℃
Condensing Temp:45℃

压缩机型号 Serial	马力 HP	气缸排气量 Displacement(cm³)	电源 Power Source	冷凝温度 Condensing Temperature	名义制冷量 Nominal Capacity(W)	能效比(W/W) COP	噪声dB(A)（声压级） Noise(SPL)	蒸发温度(W) Evaporating Temperature					
								-25℃ 12°F	-15℃ +5°F	-10℃ +14°F	0℃ +32°F	+7.2℃ +45°F	+15℃ +59°F
GQR3-440KG	2	44	220V/3PH/60Hz 380V/3PH/50Hz 380V/3PH/60Hz 460V/3PH	54.5℃/50Hz	5977	2.9	≤62	1379*	1850	2580	4370	5977	8110
GQR3-520KG	2.5	52			7146	2.9	≤64	1508*	2260	3240	5400	7146	9320
GQR3-580KG	3	58.2			7967	3	≤65	1635*	2390	3310	5720	7967	10240
GQR3-620KG	3	62.7			8613	3	≤65	1998*	2970	3960	6420	8613	11540
GQR3-740KG	3.5	74.2			9984	2.9	≤65	3078*	2805	4296	7276	9814	13056
GQR3-900KG	4	90.2			11300	2.9	≤65	1510	3388	4425	7956	11300	15719
GQR3-1120KG	5	112.5			14780	2.8	≤66	3965	4360	5890	10450	14780	20230

MEDIUM/HIGH BACK PRESSURE COMPRESSOR R22

中/高回压压缩机R22





◎ 冷凝温度范围≤65℃
Condensing Temp Range≤65℃

◎ 压缩机保护装置采用内置式保护器和安全阀
Compressor Internal Protectors:Internal Motor Protector and Pressure Relief Value

◎ 电源60Hz时制冷量等于50Hz时制冷量的1.2倍
To obtain refrigeration capacity at 60Hz, multiply its values at 50Hz by 1.2

◎ 冷凝温度为45℃
Condensing Temp:45℃

压缩机型号 Serial	马力 HP	气缸排气量 Displacement(cm³)	电源 Power Source	冷凝温度 Condensing Temperature	名义制冷量 Nominal Capacity(W)	能效比(W/W) COP	噪声dB(A)（声压级） Noise(SPL)	蒸发温度(W) Evaporating Temperature					
								-25℃ 12°F	-15℃ +5°F	-10℃ +14°F	0℃ +32°F	+7.2℃ +45°F	+15℃ +59°F
GQR410	1-3/4	39.95	220-240V/1PH/50Hz 208-230V/1PH/60Hz	54.5℃/50Hz	5200	3	≤62	1070*	1600	2200	3770	5200	7040
GQR440	2	44			5770	3	≤62	1320*	1960	2480	4300	5770	7830
GQR520	2.5	52			7050	3	≤64	1610*	2370	3180	5300	7050	9200
GQR580	3	58.2			7900	3.1	≤65	1820*	2720	3680	5950	7900	10300
GQR620	3	62.7			8500	3.1	≤65	1950*	2890	3830	6300	8500	11450





◎ 冷凝温度范围≤65℃
Condensing Temp Range≤65℃

◎ 压缩机保护装置采用内置式保护器和安全阀
Compressor Internal Protectors:Internal Motor Protector and Pressure Relief Value

◎ 电源60Hz时制冷量等于50Hz时制冷量的1.2倍
To obtain refrigeration capacity at 60Hz, multiply its values at 50Hz by 1.2

◎ 冷凝温度为45℃
Condensing Temp:45℃

压缩机型号 Serial	马力 HP	气缸排气量 Displacement(cm³)	电源 Power Source	冷凝温度 Condensing Temperature	名义制冷量 Nominal Capacity(W)	能效比(W/W) COP	噪声dB(A)（声压级） Noise(SPL)	蒸发温度(W) Evaporating Temperature					
								-25℃ 12°F	-15℃ +5°F	-10℃ +14°F	0℃ +32°F	+7.2℃ +45°F	+15℃ +59°F
GQR3-440	2	44	220V/3PH/60Hz 380V/3PH/50Hz 380V/3PH/60Hz 460V/3PH	54.5℃/50Hz	5770	2.9	≤62	1320*	1960	2480	4300	5770	7830
GQR3-520	2.5	52			7050	2.9	≤64	1610*	2370	3180	5300	7050	9200
GQR3-580	3	58.2			7900	3	≤65	1820*	2720	3680	5950	7900	10300
GQR3-620	3	62.7			8500	3	≤65	1950*	2890	3830	6300	8500	11450
GQR3-740	3.5	74.2			9860	2.9	≤65	2038*	3000	4300	7330	9860	12900
GQR3-900	4	90.2			11250	2.9	≤65	1330	3100	4370	7840	11250	16000
GQR3-1120	5	112.5			14900	2.8	≤66	2060	4470	6130	10600	14900	20660

MEDIUM/HIGH BACK PRESSURE PARALLEL/DOUBLE INSPIRATORY COMPRESSOR R404A

中/高回压压缩机R404A



◎ 冷凝温度范围≤65℃
Condensing Temp Range≤65℃

◎ 压缩机保护装置采用内置式保护器和安全阀
Compressor Internal Protectors:Internal Motor Protector and Pressure Relief Value

◎ 冷凝温度为45℃
Condensing Temp:45℃

◎ 电源60Hz时制冷量等于50Hz时制冷量的1.2倍
To obtain refrigeration capacity at 60Hz, multiply its values at 50Hz by 1.2

压缩机型号 Serial	马力 HP	气缸排气量 Displacement(cm³)	电源 Power Source	冷凝温度 Condensing Temperature	名义制冷量 Nominal Capacity(W)	能效比(W/W) COP	噪声dB(A)（声压级） Noise(SPL)	蒸发温度(W) Evaporating Temperature					
								-25℃ 12°F	-15℃ +5°F	-10℃ +14°F	0℃ +32°F	+7.2℃ +45°F	+15℃ +59°F
GQR3-440KGP	2	44	220V/3PH /60Hz	54.5℃/ 50Hz	5977	2.9	≤62	1379*	1850	2580	4370	5977	8110
GQR3-520KGP	2.5	52			7146	2.9	≤64	1508*	2260	3240	5400	7146	9320
GQR3-580KGP	3	58.2	380V/3PH /50Hz		7967	3	≤65	1635*	2390	3310	5720	7967	10240
GQR3-620KGP	3	62.7			8613	3	≤65	1998*	2970	3960	6420	8613	11540
GQR3-740KGP	3.5	74.2	380V/3PH /60Hz		9984	2.9	≤65	3078*	2805	4296	7276	9814	13056
GQR3-900KGP	4	90.2	460V/3PH		11300	2.9	≤65	1510	3388	4425	7956	11300	15719
GQR3-1120KGP	5	112.5			14780	2.8	≤66	3965	4360	5890	10450	14780	20230

压缩机型号 Serial	马力 HP	气缸排气量 Displacement(cm³)	电源 Power Source	冷凝温度 Condensing Temperature	名义制冷量 Nominal Capacity(W)	能效比(W/W) COP	噪声dB(A)（声压级） Noise(SPL)	蒸发温度(W) Evaporating Temperature					
								-25℃ 12°F	-15℃ +5°F	-10℃ +14°F	0℃ +32°F	+7.2℃ +45°F	+15℃ +59°F
GQR3-440P	2	44	220V/3PH /60Hz	54.5℃/ 50Hz	5977	2.9	≤62	1379*	1850	2580	4370	5977	8110
GQR3-520P	2.5	52			7146	2.9	≤64	1508*	2260	3240	5400	7146	9320
GQR3-580P	3	58.2	380V/3PH /50Hz		7967	3	≤65	1635*	2390	3310	5720	7967	10240
GQR3-620P	3	62.7			8613	3	≤65	1998*	2970	3960	6420	8613	11540
GQR3-740P	3.5	74.2	380V/3PH /60Hz		9984	2.9	≤65	3078*	2805	4296	7276	9814	13056
GQR3-900P	4	90.2	460V/3PH		11300	2.9	≤65	1510	3388	4425	7956	11300	15719
GQR3-1120P	5	112.5			14780	2.8	≤66	3965	4360	5890	10450	14780	20230

LOW BACK PRESSURE COMPRESSOR R404A

低回压压缩机R404A



◎ 冷凝温度范围≤65℃
Condensing Temp Range≤65℃

◎ 压缩机保护装置采用内置式保护器和安全阀
Compressor Internal Protectors:Internal Motor Protector and Pressure Relief Value

◎ 冷凝温度为50℃
Condensing Temp:50℃

◎ 电源60Hz时制冷量等于50Hz时制冷量的1.2倍
To obtain refrigeration capacity at 60Hz, multiply its values at 50Hz by 1.2

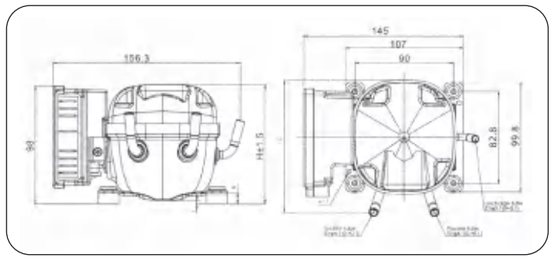
压缩机型号 Serial	马力 HP	气缸排气量 Displacement(cm³)	电源 Power Source	冷凝温度 Condensing Temperature	名义制冷量 Nominal Capacity(W)	能效比(W/W) COP	噪声dB(A)（声压级） Noise(SPL)	蒸发温度(W) Evaporating Temperature						
								-40℃ -40°F	-35℃ -31°F	30℃ -22°F	-23.3℃ 9.9°F	-20℃ -4°F	-10℃ +14°F	0℃ +32°F
GQR520K	2.5	52	220V/3PH /60Hz	54.5℃/ 50Hz	2180	1.5	≤64	420*	730	1310	2189	2660	4410	6100
GQR620K	3	62.7			2760	1.5	≤65	720*	1040	1728	2765	2930	5421	7900
GQR3-520K	2.5	52	380V/3PH /50Hz		2180	1.5	≤64	420*	730	1310	2180	2660	4410	6100
GQR3-620K	3	62.7			2760	1.5	≤64	720*	1040	1728	2765	2930	6130	6300
GQR3-740K	3.5	74.2	380V/3PH /60Hz		3135	1.5	≤65	1200*	1380	2016	3135	3796	6220	8644
GQR3-900K	4	90.2	460V/3PH		3550	1.5	≤65	1287*	1420	2110	3555	4389	7388	10138
GQR3-1120K	5	112.5			4350	1.5	≤66	1407*	1743	2704	4350	5335	9038	12740



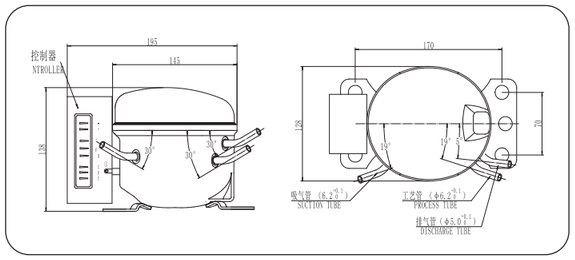
COMPRESSOR DIMENSIONS

压缩机外形尺寸

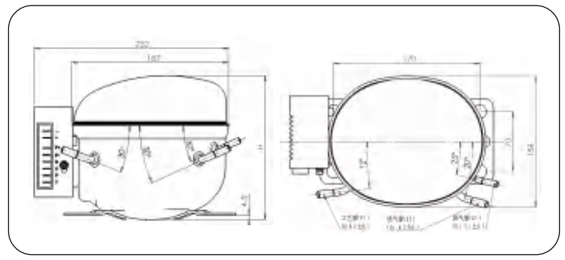
DC-MV



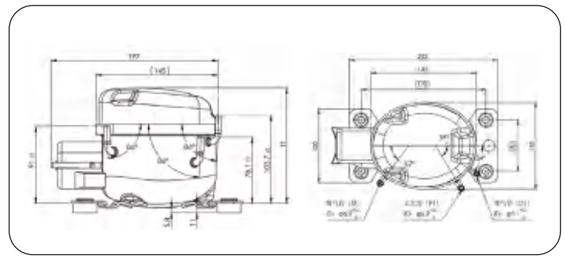
DC-L



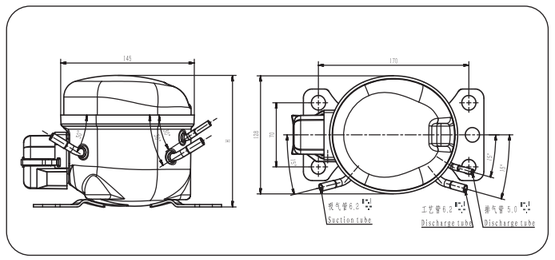
DC-MX



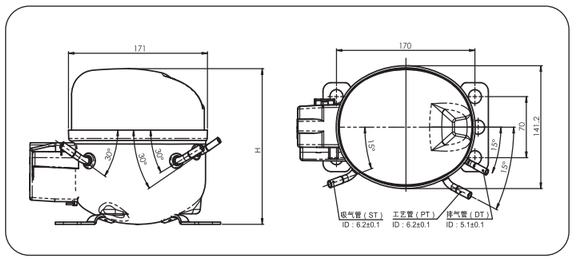
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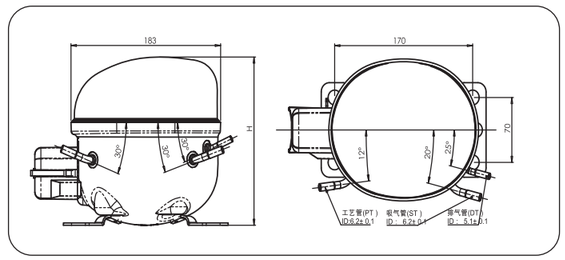
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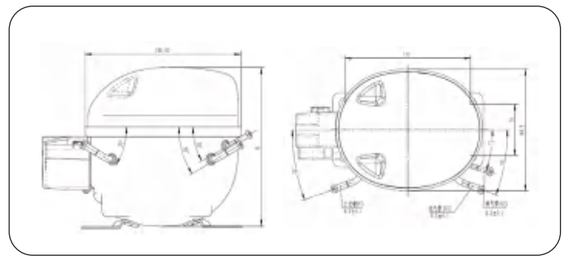
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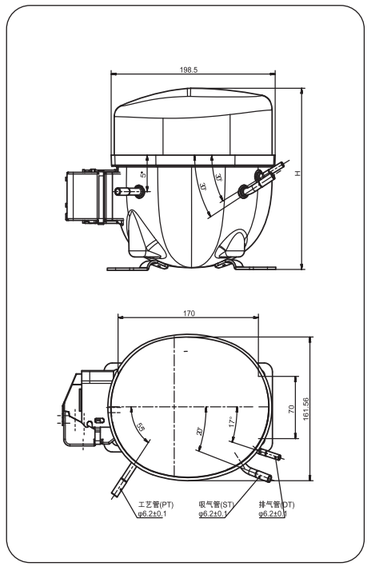
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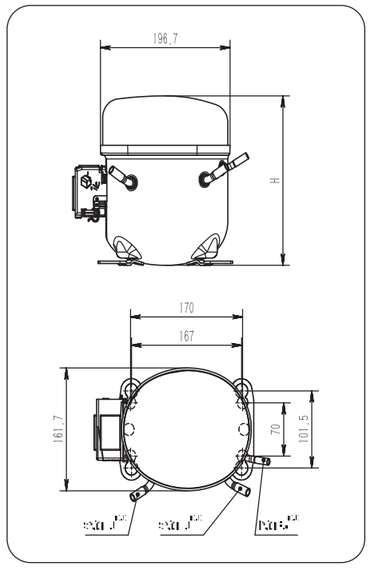
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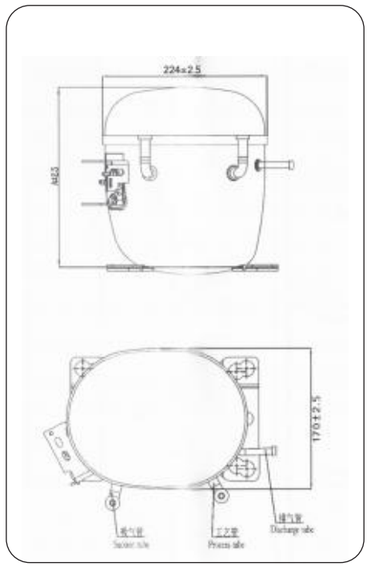
GQR



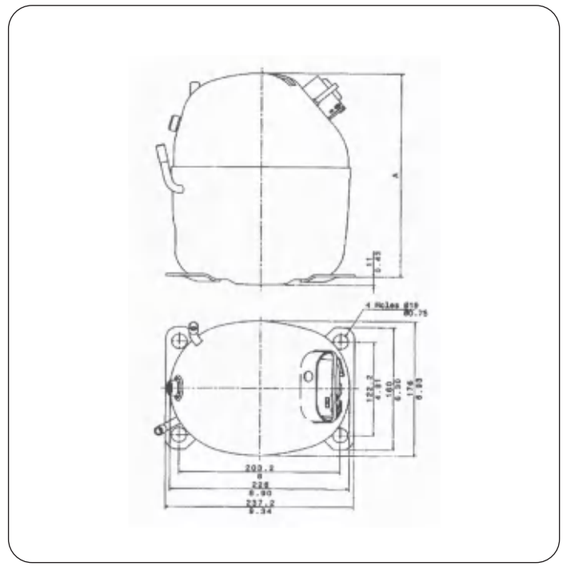
MD



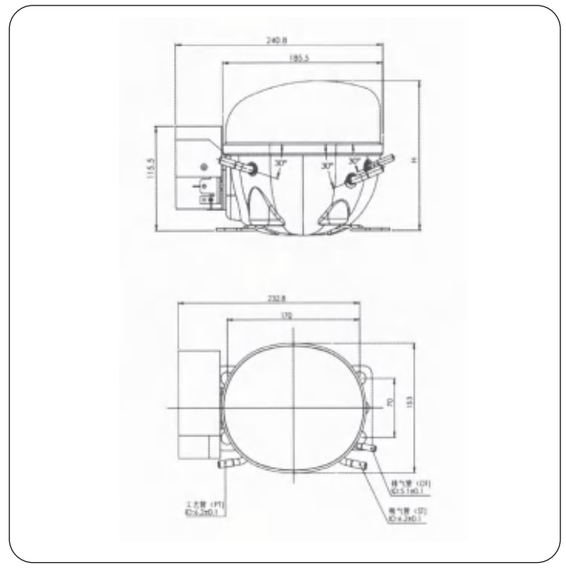
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MJX



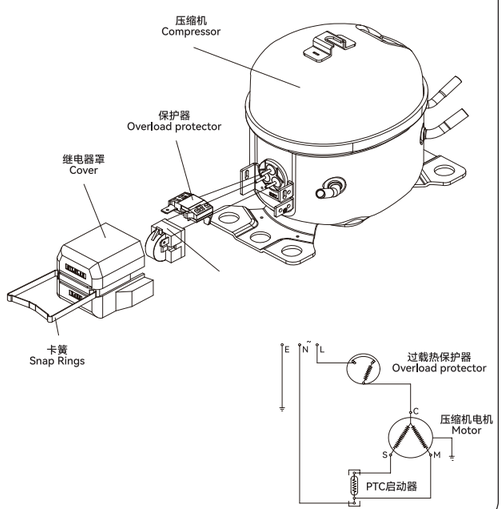
VFC



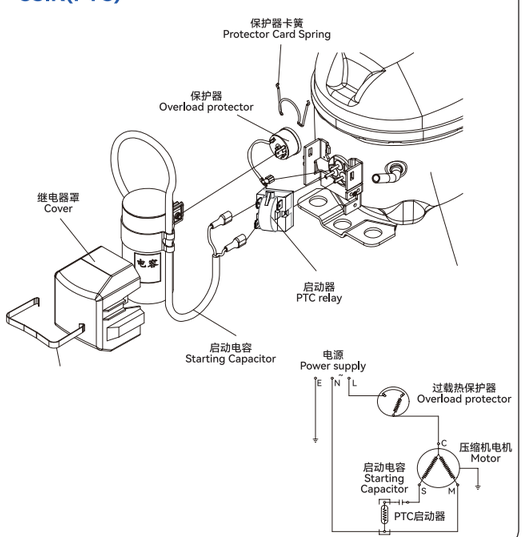
COMPRESSOR MOUNTING,ELECTRICAL WIRING DIAGRAM

压缩机安装图、电气接线图

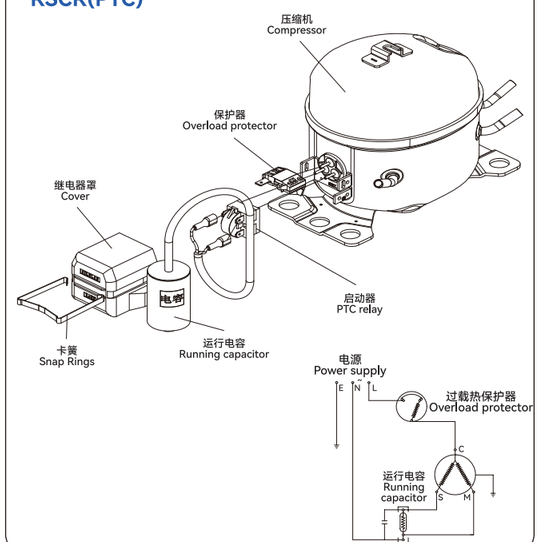
RSIR(PTC)



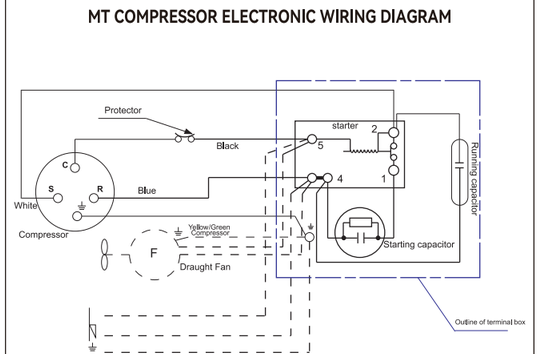
CSIR(PTC)



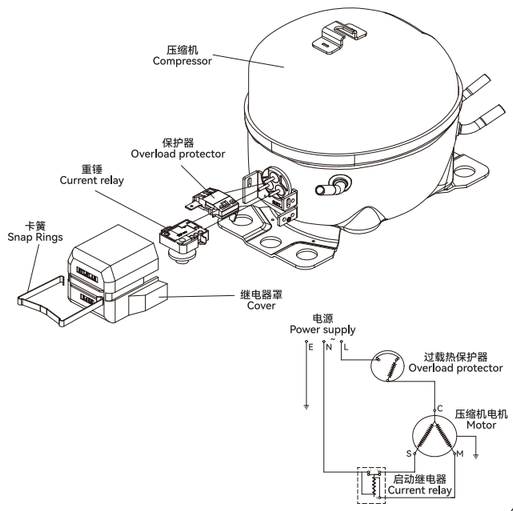
RSCR(PTC)



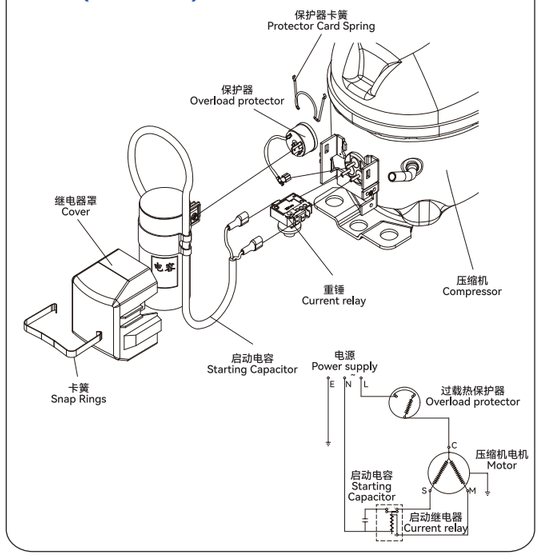
PSR



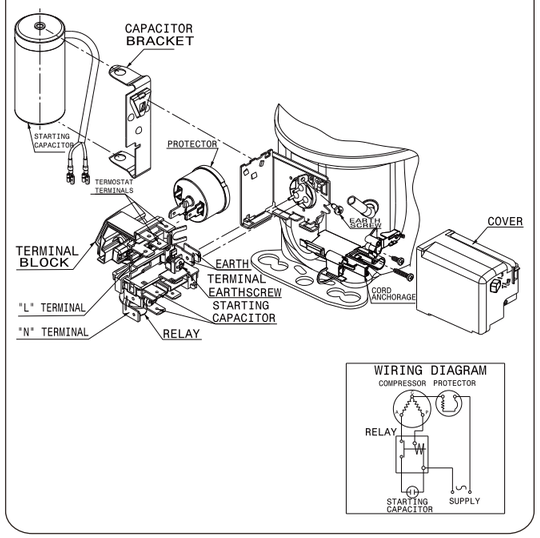
RSIR(CURRENT)



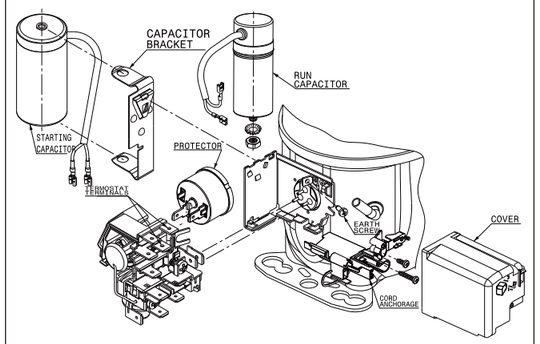
CSIR(CURRENT)

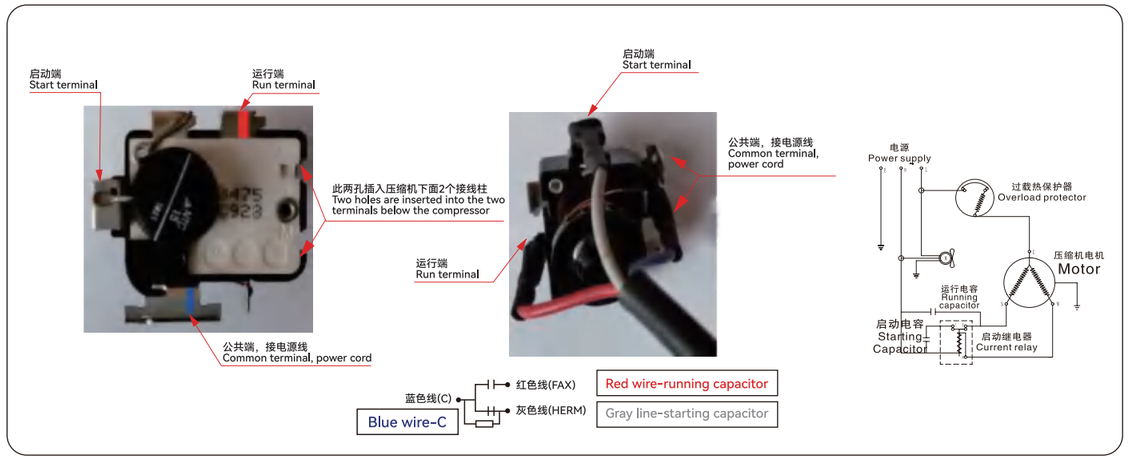


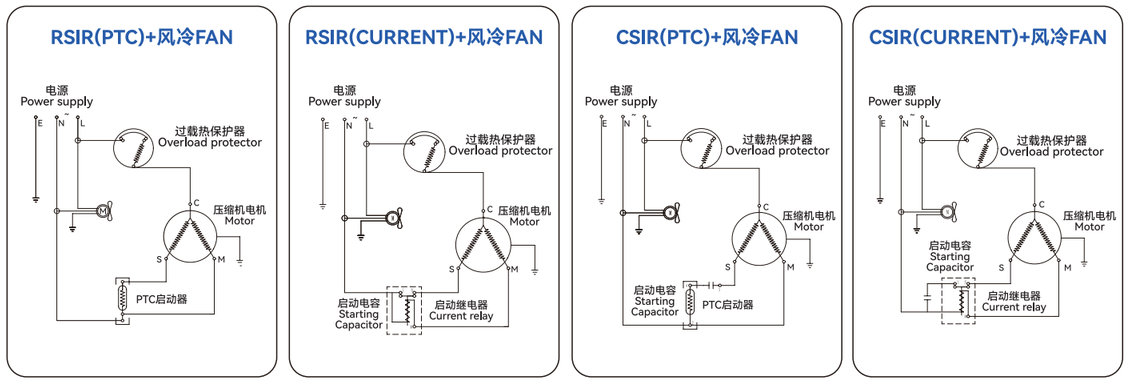
CSIR(For MD connection)



CSR(For MD connection)



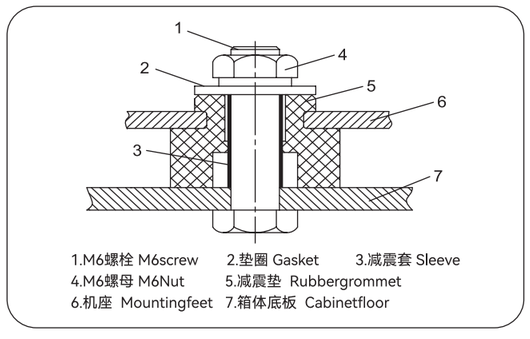




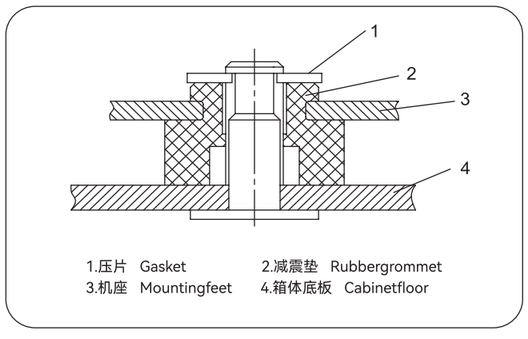
MOUNTING BRACKET

机脚安装图

螺栓式 SCREW TYPE



卡扣式 CLAMP TYPE



SIKELAN INVERTER-COMPRESSOR CONTROL MODES

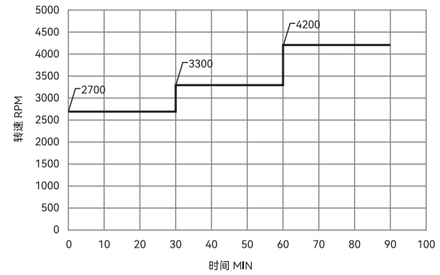
变频器、压缩机控制模式

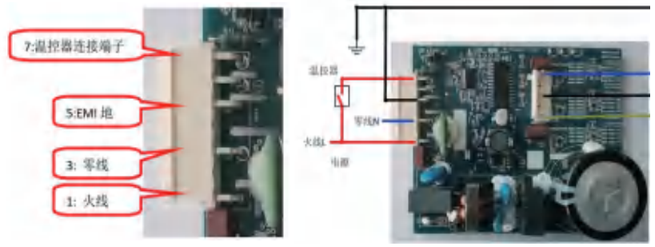
机械控制模式

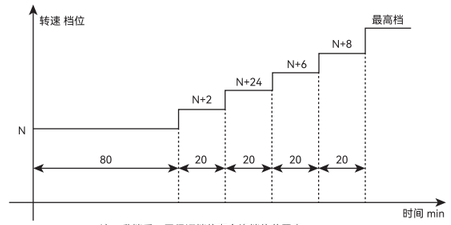
这种模式是通过温控器开关信号来驱动压缩机运转，从而无需来自电子控制器的控制信号便可应用于各种控制系统。

Drop-in Control mode

The drop-in mode is a thermostat control mode where a simple onoff signal is used to drive the compressor, thus allowing it to be applied in any refrigeration system without the need of a control signal from an electronic controller.



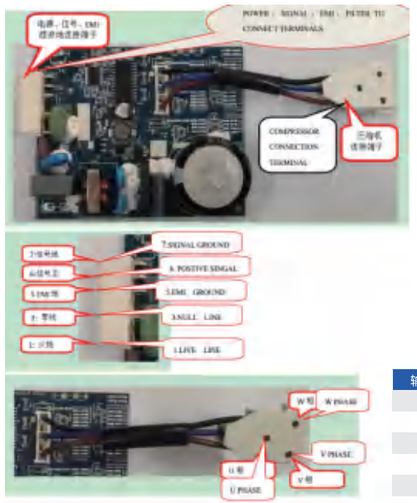




注：升档后，需保证档位在允许档位范围内。

电子频率控制模式

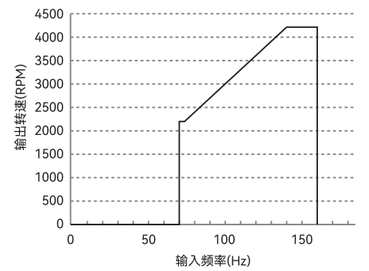
这种运行模式中，压缩机转速由频率信号控制，这种频率信号由电子控制器提供，发送到变频板。它是一种介于70-140Hz的数字方波。然后压缩机由发送到变频板的频率信号控制。



Frequency Control mode

In this mode of operation the compressor speed is controlled through a frequency signal sent to the inverter, usually provided by an electronic controller. The frequency signal is a digital square wave varying tipically from 70to 140Hz. The compressor will then be driven by the frequency signal sent to the inverter.

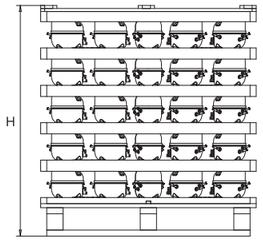
输入频率f(Hz)	压缩机转速(RPM)	备注
0-70	0	停机
70-73.4	2200	
73.4-140	30×f	
140-180	4200	
>180	0	停机

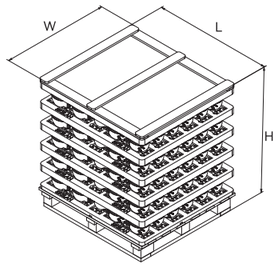


PACKING DETAILS FOR CARTON&PLYWOOD PALLET

纸箱、木托包装数据

纸箱尺寸 Carton Size LxWxH(cm)	木托尺寸 Pallet Size LxWxH (cm)	每托数量 QTY/PLT(PCS)	台x层 PCSx layers	20'GP装箱数量 20'GP QTY (PCS)	
				托数 Pallats	总数量 Total QTY(PCS)
26×16×16	114×87×110	120	20×6	12	2640
	114×87×90	100	20×5	12	
26×16×19	114×87×110	100	20×5	12	2160
	114×87×90	80	20×4	12	
26×16×19	114×87×110	100	20×5	12	2160
	114×87×90	80	20×4	12	
26×16×19	114×87×110	100	20×5	12	2160
	114×87×90	80	20×4	12	
36×21×24	114×90×106	80	20×4	12	1008
	114×90×82	48	20×3	12	

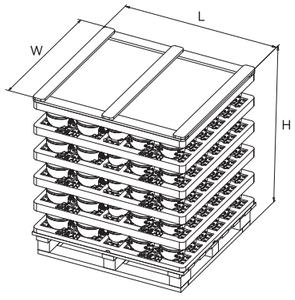


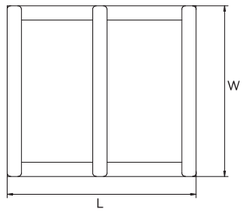


PACKING DETAILS FOR FOAM PALLET

泡沫薄膜缠绕包装数据

托盘尺寸 Pallet Size LxWxH (cm)	每托数量 QTY/PLT(PCS)	台x层 PCSx layers	20'GP装箱数量 20'GP QTY (PCS)	
			托数 Pallats	总数量 Total QTY(PCS)
106×95×118	168	28×6	10	3080
106×95×102	140	28×5	10	
114×95×120	144	24×6	10	2640
114×95×102	120	24×5	10	
114×95×112	120	24×5	20	2400
114×95×126	120	24×5	0	1920
114×95×103	96	24×4	20	
114×95×130	120	24×5	0	1920
114×95×118	96	24×4	20	





GENERALREOUIREMENTS

产品通用要求

1、压缩机应储藏于干燥通风的场所。
2、压缩机存放、运输时不得倾斜或倒置，同时避免撞击，安装水平与工作状态倾斜不大于5°。
3、压缩机安装前切易将橡胶塞拔掉，以免杂物和潮气进入，安装时压缩机胶塞的拔出顺序为排气管、工艺管、吸气管，拔出橡胶塞后应在10分钟内安装完毕。
4、压缩机的接地装置应永久可靠地与制冷器具连接。
5、为保持系统压力平衡，压缩机运行间隔时间不得少于5分钟。
6、压缩机内注有本公司认可的最佳的专用冷冻机油，不得随意倒出或添加。
7、若压缩机附件(如启动器、热保护器等)交货时未安装在压缩机上而是在附件箱内，则必须选用相对应型号的启动器、热保护等。
8、按低、中、高背压正确匹配压缩机许可的蒸发温度并注意各类压缩机许可的电压、频率范围。
9、压缩机不能承受高压或真空条件下启动、运行，不能在真空状态下检测绝缘电阻和耐压强度
10、凡直接进气和半直接进气的压缩机工艺管和吸气管不能互换，否则压缩机性能将难以保证。
11、不能用压缩机进行抽真空，不能采用氧气注入制冷系统进行检漏等相关操作，否则容易造成安全事故。
12、制冷系统设计时应充分考虑系统回油。
13、压缩机的工作环境温度不能高于43℃，在最高室温(43℃)时，其连续运转时电流、输入功率不应超过压缩机的极限值。
14、压缩机出厂后库存期限最好不要超过6个月，如果超过请检查压缩机内干燥氨气是否充足，必要时应补充。

1. Compressor should be stored in a dry and drafty place.
2. Compressor should not be titled or inverted in storage, transportation and installation; collision should beavoided.
3. Rubber plugs should not be pulled out from discharge tube before installation so as to avoid impurity and humidity. During the installation, the rubber plugs of discharge tube should be pulled out at first, then the rubber plugs of process tube, and the rubber plugs of process suction tube at last. The installation should be completed within 10 min after that
4. The compressor's ground connection should be reliably connected with that of the refrigeration appliance all the time.
5. In order to keep a pressure balance in system, the interval of operation should not be less than 5 min.
6. The charing volume of refrigerant oil has been optimized by our compressor randomly.
7. The accessories (eg. Starter, thermal protection ect.) are nor installed into the compressor wile delivery, but in the accessory case. Be sure to select the corresponding starter and thermal protection models rightly.
8. Match the proper evaporating temperature according to the low. Middle and high back pressure requirements. Pay attention to the admitted ranges of voltage and frequency for the different models.
9. Compressor can not afford a high-voltage or starting/running under vacuum condition. Checking insulation and compressive resistance in vacuum is not allowed.
10. The process or suction tube of direct and semi-direct gas compressor can not be interchanged or it would be difficult to guarantee the performance of compressor.
11. Don't use the compressor as vacuum-pumping. The oxygen injection should be used for leak detection of refrigeration system, or it would be possibly cause accidents.
12. The oil return in system has been fully taken into consideration in design.
13. The temperature of compressor working environment should not be higher than43°C. The current and input power in its continuous operation should not be exceed the limitation of the compressor at the highest room temperature(43°C).
14. The stocking period must be less than 6 months after the date of production. If longer, you have to check whether the filled dry nitrogen is sufficient. Replenishment must be done if necessary.

TEST CONDITIONS

测试工况

测试工况 Test Conditions	低背压			中背压	中/高背压	换算单位 Table Conversion
	LBP (ASHRAE)	LBP (ASHRAE)	LBP (CECOMAF)	MBP (ASHRAE)	M/HBP (ASHRAE)	
蒸发温度 Evap.Temp.℃	-23.3	-23.3	-25	-6.7	7.2	1. kcal/h x 1.163=w 2.kcal/h x 3.968=Btu/h 3. w x 3.412=Btu/h 4. w x 0.864=kcal/h 5. EER=COP × 3.412 6. Capacity(50Hz) x 1.16=Capacity(60Hz)
环境温度 Amb.Temp.℃	32.2	43	32	35	35	
过冷温度 Subcooling Temp.℃	32.2	32.2	55	46.1	46.1	
冷凝温度 Cond.Temp.℃	54.4	54.4	55	54.4	54.4	
吸气温度 Suction Temp.℃	32.2	32.2	32	35	35	

SPECIAL REQUIREMENTS FOR R134a, R290, R404A COMPRESSOR

R134a, R290, R404A系列压缩机特殊要求

1、R134a,R290, R404A压缩机的敞口时间应尽可能短, 不得超过10分钟。

2、抽真空泵和充注设备必须专用于R134a, R290,R404A。

3、与R134a,R290,R404A不相容的有机物在制冷系统中不得使用。

4、R134a,R290,R404A制冷系统应使用于R134a, R290,R404A相适应的干燥过滤器。

5、制冷系统应严格控制水份、杂质、石蜡、硅油和氯离子等含量。

6、R134a, R290,R404A压缩机内注有本公司认可的专用脂类油, 不得随意倒出或添加。

1. Don't keep the R134a, R290, R404A compressor connect pipe open too long better, no more than 10 minutes.
2. The vacuum pump and the charging system must only be dedicated to R134a, R290, R404A.
3. The organic substance non-compatible with R134a can't be used in the refrigeration system.
4. R134a, R290, R404A refrigerant system should be used in line with R134a, R290, R404A dry filter.
5. The refrigerant system should strictly control the moisture, impurities, paraffin wax, such as silicone oiland the content of chloride ion.
6. R134a, R290, R404A is MAIDI injection compressor refrigeration approved for lipid oil, are not allowed to randomly pour or add.

SPECIAL REQUIREMENTS FOR R600A COMPRESSOR

R600a系列压缩机特要求

1、R600a (碳氢) 压缩机于制冷器具匹配应用中应遵守并熟练掌握碳氢工质的安全规程, 使用相应的工具设备进行操作。

2、压缩机运行状况: R600a系列压缩机能在0.22MPa (表压) 的平衡力、85%额定电压下启动、运行, 在特定条件下压缩机能在电压低至165V, 高至242V下启动和运行。

3、R600a压缩机内已加注SIKELAN牌压缩机认可的最佳经严格工艺处理过的专用冷冻机油, 不得随意倒出或者添加, 否则所有的技术保证将无效。

4、R600a压缩机必须采用PTC启动器。

1.R600a (hydrocarbon) compressor and refrigeration equipment should be in compliance with the matching application and mastering of hydrocarbon refrigeration in the safety regulations, the use of appropriate equipment to operate the tools.
2. Compressor Operation: R600a series compressor in the 0.22MPa(gauge) the balance of pressure, 85% rated voltage start running, under certain conditions compressor in the low voltage 165V, 242V to the high start-up and operation.
3. The charging volume of refrigerant oil in R600a compressor has been optimized by our company, which dealed with by strictly technology, donot our or add anymore. Otherwise, all the technical assurance will be invalid.
4.PTC starting relay must be adopted in R600A compressor.

EXECUTIVE STANDARDS

压缩机执行标准

1、GB/T5773-2016《容积式制冷剂压缩机性能试验方法》

2、GB/T9088-2021《电冰箱用全封闭型电动机-压缩机》

3、GB4706.17-2010《家用和类似用途电器的安全电动机-压缩机特殊要求》

4、GB4706.1-2005《家用和类似用途电器的安全第一部分通用要求》

5、EN60335-2-34: 2002+A1:2004+A1:2005+A2:2009,
同EN60335-1:2002+A11:2004+A12:2006+A2:2006合并使用。

6、IEC60335-2-34:2002(4th Edition)+A1:04+A2:08, 同IEC60335-1:2001(4th Edition)
(incl. Corrigendum 1:2002) +A1:04+A2:06 (incl. Corrigendum 1:2006) 合并使用。

1.GB/T5773-2016 <The methods of performance test of positive displacement refrigerant>

2.GB9098-2021 <Hermetic motor-compressors of refrigerators>

3.GB4706.17-2010 <Safety of household and similar electrical appliances particular requirement for motor-compressors>

4. GB4706.1-2005 «Safety of Household and Similar Electrical Appliances Part | General Requirement>

5. EN60335-2-34: 2002+A1:2004+A1:2005+A2:2009 used in conjunction with EN60335-1:2002+A11:2004+A12:2006+A2:2006

6.1EC60335-2-34:2002(4th Edition)+A1:04+A2:08 used in conjunction with IEC60335-1:2001(4th Edition) (incl. Corrigendum 1:2002)+A1:04+A2:06(incl. Corrigendum 1:2006)

1、应用类型: 低背压 (LBP) 蒸发温度-35°C~-15°C; 中背压 (MBP) 蒸发温度-20°C~0°C; 高背压 (HBP) 一蒸发温度-5°C~15°C。

2、冷却方式: ST-自然冷却; F1-风扇直径200mm, 风速1.5m/s的风冷; F2-风扇直径200mm, 风速3m/s的风冷。

3、电机类型: RSIR-电阻分相启动; RSCR-电阻启动电容运行; CSIR-电容启动电阻运行; CSR-电压启动电容运行; PSR-电压启动电容运行。

4、主要参数变化范围: 制冷量≥95%; 额定电流≤110%; 额定功率≤115%; 性能系数≥95%。

5、以上数据如有变动, 恕不另行通知。

1.Application: Low Back Pressure(LBP)-Evaporating temperature -35°C ~ -15°C, Medium Back Pressure(MBP) — Evaporating temperature -20°C ~ 0°C, High Back Pressure-Evaporating temperature -5°C ~ 15°C.

2.Cooling type: ST-static cooling, F1-fan diameter 200mm and 1.5m/s air cooling of wind velocity, F2-fan diameter 200mm and 3m/s air cooling of wind velocity.

3.Motor type: RSIR, RSCR, CSIR, CSR, PSR.

4.Tolerance of main performance data: cooling capacity ≥ 95%, rated current ≤ 110%, rated powers ≤ 115%, COP ≥ 95%.

5.All data is subject to change without notice.