

家用压缩机

系列产品介绍

Household Compressor Catalogue

产品 2015

家用制冷 R600a · R134a



家用制冷 For Household Refrigeration
R600a · R134a

华意压缩机股份有限公司

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适用各种应用类型

For every type of application

齐全的产品系列

The most complete range of products



持续制冷

Sustainable Cooling

天然制冷剂

Natural Refrigerants



低能耗

Low energy consumption

销往全球

Worldwide presence



华意压缩 领先的压缩机制造商

华意压缩专注于发展先进的压缩机技术以满足全球家用制冷市场的需求。

HUAYI COMPRESSOR

Leading manufacturer of compressors

focuses on developing advanced compressor technologies to meet the household refrigeration market requirements worldwide.



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1.

简介 General Information



The Company

公司

华意集团遍布全球；总部在中国，在欧洲设有分公司。

Huayi group world widely presence; headquarters in China, and branch in Europe.

华意压缩机股份有限公司

Huayi Compressor Co., Ltd.

华意压缩机股份有限公司于1990年创立于中国景德镇，是全球领先的压缩机制造商、规模化专业研发压缩机的国家级高新技术企业。

Huayi Compressor Co., Ltd. was founded in 1990, located in Jingdezhen China, and is a worldwide leader of compressor manufacturer and a national top high-tech enterprise, specialized in developing compressors.

2014年度产销冰箱压缩机3800多万台，经营规模连续十四年位居国内冰箱压缩机行业首位，连续二年稳居全球同行业第一，是全球最大的环保、节能、高效冰箱压缩机生产、出口基地，荣获“中国名牌”和“中国驰名商标”。

2014 Annual production and sales of refrigerators compressor about 38000000 pcs, operating scale for 13 consecutive years, ranking the first in the domestic refrigerator compressor industry, and keeping No.1 in the industry in last two consecutive years. It's the biggest manufacturing and export base in China for environmental energy saving, high efficiency refrigerator compressor. It's honored "Famous brand in China" and "Well-known brand in China".



研发 Research and Development

Leadership 影响力



可靠性 Reliability

Innovation 创新



尖端技术 Cutting-edge technology

People 人才



变频压缩机系列 VS Compressor Range

HVD变频科技产品系列 HVD VS Compressor Range

HVD变频压缩机是华意压缩自主为变频技术设计的全新平台，拥有多项变频核心专利技术，其整机高度低于126mm，整机重量小于5.1kg，COP最高2.02，制冷量最大可达到280W，是全球领先的智能高效变频压缩机。

HVD VS compressor is a new platform for Huayi compressor independent design frequency conversion technology, owned many VS core patent technology, whole body height less than 126mm, and weight less than 5.1kg, max cop can reach 2.02, max cooling capacity can reach 280w. It's a global leading intelligent and high efficiency VS compressor.

特点 Features



高效 EFFICIENCY

最高效的变频系列
the highest efficient VS range

更低噪音 LOWER NOISE



快速制冷 长久保鲜 FAST COOLING AND FRESHNESS

比定频压缩机接近低温的时间平均缩短20%
cooling time reduces about 20% compared
with CS compressors



定频压缩机系列 Compressor Range

HYB-J 系列 HYB-J range



特点:
 排量: 2.2 cm³-6.0cm³
 制冷量: 55W-95W ;
 适用制冷剂: R134a、R600a
产品优势:
 小型化;
 低噪声;
 高稳定性, 经过验证的性能;

Features:
 Displacement: 2.2 cm³ -6.0cm³
 Cooling capacity: 55w-95w
 Refrigerant: R134a,R600a
Advantages:
 Miniaturization;
 Low noise;
 High stability, tested performance

HYE range HYE 系列

Features:
 Displacement:5.0cm³ -13.1cm³
 Cooling capacity:95w-245w
 Refrigerant:R134a,R600a
Advantages:
 Super efficiency;
 Low noise and vibration;
 Good performance of low voltage start;
 High stability, tested performance

特点:
 排量: 5.0 cm³-13.1cm³
 制冷量: 95W-245W;
 适用制冷剂: R134a、R600a
产品优势:
 超高效率;
 噪声低、振动小;
 低电压启动性能好;
 高稳定性, 经过验证的性能;



HYB range HYB 系列

Features:
 Displacement:3.5 cm³ -9.6cm³
 Cooling capacity: 65w-165w
 Refrigerant: R134a,R600a
Advantages:
 Easy mounting;
 Miniaturization;
 Low noise and vibration;
 High stability, tested performance

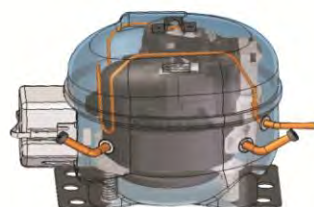
特点:
 排量: 3.5 cm³-9.6cm³
 制冷量: 65W-165W;
 适用制冷剂: R134a、R600a
产品优势:
 简易安装;
 小型化;
 噪声低、振动小;
 高稳定性, 经过验证的性能;



HY 系列 HY range

特点:
 排量: 6.9 cm³-15.3cm³
 制冷量: 195W-430W;
 适用制冷剂: R134a、R600a
产品优势:
 可靠性高;
 高效率;
 噪声低、振动小;
 过载能力强;

Features:
 Displacement:6.9cm³ -15.3cm³
 Cooling capacity:195w-430w
 Refrigerant:R134a,R600a
Advantages:
 High reliability;
 High efficiency;
 Low noise and vibration;
 Strong overload ability



HYS 系列 HYS range



特点:
 排量: 4.5 cm³-8.1cm³
 制冷量: 65W-145W;
 适用制冷剂: R134a、R600a
产品优势:
 简易安装;
 小型化;
 噪声低、振动小;
 能效等级宽;

Features:
 Displacement:4.5 cm³ -8.1cm³
 Cooling capacity:65w-145w
 Refrigerant:R134a,R600a
Advantages:
 Easy mounting;
 Miniaturization;
 Low noise and vibration;
 Wide range of energy consumption



压缩机命名规则 Compressor Nomenclature

变频产品系列命名规则 VS products nomenclature

HV D 90 M T 61 a

变频压缩机 VS compressor

系列名称 Range name
D、E D、E

汽缸容积 Displacement
9.0CC 9.0CC

制冷剂种类 Refrigerant
M=R600a M=R600a
N=R290 N=R290
Y=R134a Y=R134a

COP效率级别 COP efficiency level
T=1.75-1.85 T=1.75-1.85
X=1.88-1.95 X=1.88-1.95
D=1.96-2.02 D=1.96-2.02

电源类型 Rotor type(range)
61=220-240V/50Hz(省略) 61=220-240V/50Hz
72=115-127V/60Hz 72=115-127V/60Hz
... ..

电机材料 Rotor material
铝漆包线: a Aluminum enameled wire:a
铜漆包线: ... Copper enameled wire:...

R600a定频产品系列命名规则 R600a CS products nomenclature

HY E 90 M T U 63 a

定频压缩机 CS compressor

系列名称 Range name
B、S、E、D、Y(省略) B、S、E、D、Y

汽缸容积 Displacement
9.0CC 9.0CC

制冷剂种类 Refrigerant
M=R600a M=R600a

COP效率级别 COP efficiency level
T=1.72-1.75 T=1.72-1.75
S=1.80-1.85 S=1.80-1.85
X=1.90-1.93 X=1.90-1.93
D=1.96-2.0 D=1.96-2.0

凹形阀组 Spill valve group

电源类型 Rotor type(range)
61=220-240V/50Hz(省略) 61=220-240V/50Hz
62=220-240V/60Hz 62=220-240V/60Hz
42=115V/60Hz 42=115V/60Hz
72=115-127V/60Hz 72=115-127V/60Hz

电机材料 Rotor material
铝漆包线: a Aluminum enameled wire:a
铜漆包线: ... Copper enameled wire:...

R134a定频产品系列命名规则 R134a CS products nomenclature

HY E 55 Y T 63 a

定频压缩机 CS compressor

系列名称 Range name
B、S、E、D、Y(省略) B、S、E、D、Y

汽缸容积 Displacement
5.5CC 5.5CC

制冷剂种类 Refrigerant
Y=R134a Y=R134a

COP效率级别 COP efficiency level
T=1.60-1.65 T=1.60-1.65
X=1.70-1.72 X=1.70-1.72
D=1.75-1.80 D=1.75-1.80

电源类型 Rotor type(range)
61=220-240V/50Hz(省略) 61=220-240V/50Hz
62=220-240V/60Hz 62=220-240V/60Hz
42=115V/60Hz 42=115V/60Hz
72=115-127V/60Hz 72=115-127V/60Hz

电机材料 Rotor material
铝漆包线: a Aluminum enameled wire: a
铜漆包线: ... Copper enameled wire:...

R600a/R134a压缩机使用信息 R600a/R134a Compressors Usage Information

压缩机冷却类型 Compressor cooling type

静态冷却

压缩机不需要风扇冷却，但需要特别的安装方式以利用环境的空气对流进行冷却来防止过热。

风扇冷却

压缩机需要最低 3m/s 的风速进行冷却。如果风速低于这个值，需要在试验室进行测试验证。

Static cooling

Compressor does not require fan cooling, but needs special mounting to utilize air cooling to prevent over heat.

Fan cooling

At least 3 m/s air speed for compressor to cool down. If air speed less than this value, testing is required in the laboratory.

运行工况 Operation condition

启动和运转电压

压缩机可在 85% 的标称电压值下启动。

R600a: 平衡压力不超过 2.5Kgf/cm²

R134a: 平衡压力不超过 5Kgf/cm²

注：测试在表压下进行，但在不同的工作环境和系统参数条件下，压缩机还可以在更低的电压条件下运行。具体情况详见性能参数表。

Start and running voltage

Compressor can start with the 85% value of standard voltage.

R600a: Average pressure not exceeded 2.5kgf/cm²

R134a: Average pressure not exceeded 5kgf/cm²

Remark: testing is performed under table pressure, but under different work condition and system parameter, compressor can run under lower voltage.

线圈绕组温度

电机线圈绕组在连续运行的情况下，温度不能超过 130°C (266°F)。

我们推荐采用“欧姆电阻法”来测试电机线圈绕组温度。

Coil winding temperature

Temperature of rotor coil winding under continuous running cannot exceed 130°C(266°F).

* OHM resistance method "is recommended to test rotor coil winding temperature.

冷凝压力限制

压缩机必须在以下工况下运行：

R600a

在最高环境温度 43°C 下连续运行时，冷凝压力不能高于 7.7Kgf/cm² (113psig)，冷凝压力的峰值不超过 9.8Kgf/cm² (145psig)。

R134a

在最高环境温度 43°C 下连续运行时，冷凝压力不能高于 16.1Kgf/cm² (229psig)。冷凝压力的峰值不超过 20.53Kgf/cm² (292psig)。

Condensing pressure limit

Compressor running must be under the condition below:

R600a

the continuous running under max temperature 43°C, condensing pressure cannot be more than 7.7kgf/cm² (113psig), peak value of condensing cannot be more than 9.8kgf/cm²(145psig).

R134a

The continuous running under max temperature 43°C, condensing pressure cannot be more than 16.1kgf/cm² (229psig).peak value of condensing cannot be more than 20.53kgf/cm²(292psig)

蒸发温度范围

-35°C to -15°C (LBP)

-35°C to -5°C (L/MBP)

Evaporating temperature range

-35°C to -15°C (LBP)

-35°C to -5°C (L/MBP)

测试工况 Test conditions

项目 Items	测试工况低背压 LBP(ASHRAE)	测试工况低背压 LBP(CECOMAF)
蒸发温度℃ Evaporating temperature	-23.3	-25
冷凝温度℃ Condensing temperature	54.4	55

警告

压缩机不能充注防冻剂，防冻剂会对许多材料有影响，危害到压缩机的使用寿命。（如使用防冻剂，将使压缩机的质保无效）。

如使用非本样本内或应用表中列出的其他电容产品，都可能使启动继电器和过载保护不能正常工作，甚至导致压缩机电机过热烧毁。

压缩机必须在接入制冷系统时才能进行测试。压缩机在真空状态下不能进行高压或启动测试；要达到性能参数表的数值，吸气管路必须连接在正确的吸气连接器上。

为了防止压缩机内部受潮，所有连接器必须保持密封。压缩机胶堵只能在压缩机与系统管路进行焊接时才能移去（最多不能超过5分钟）。

单位换算 Measurement Conversion

1W=3.41Btu/h
1W=0.86Kcal/h
1Kcal/h=3.97Btu/h
1立方英尺(cu)=28.32升(L)
1立方英寸(in)=16.39立方厘米(cc)

Warning

Compressor can not be charged with anti freezer, which has a bad effect on many materials, shortening life span of compressor (It can be invalid for compressor quality warranty if anti freezer is used.)

If capacitors not from this catalogue or other application is applied, the starting relay and overload protection may not work, even cause motor damage due to overheating.

The compressor can be tested only when it the accesses to the refrigeration system.

The high-pressure capacity and start-up capacity of compressor cannot be tested in a vacuum.

Suction pipe must connect to the right connector to make sure it conform the parameter index.

All connector must keep hermetic to protect the inside compressor from moisture.

The compressor rubber can only be removed when the compressor is welding with the system pipes (max 5 min).



◆ R600a-低背压技术参数 R600a-LBP Technical Data Sheet

115V~60Hz
115~127V~60Hz

1 系列 Range	2 型号 Model	电压 Voltage (V)	频率 Frequency (Hz)	冷却方式 Cooling Type	汽缸容积 Displacement (cm ³)	3 制冷量 Cooling Capacity (W)	COP (W/W)	电机类型 Motor Type	电机描述 Motor description	认证 Certification	4 压缩机高度(H) Compressor Height(mm)
HYB	HYB50MGU72a	115-127~	60	ST	5.0	96	1.58	RSCR	Al	---	153.6
	HYB60MHU42	115~	60	ST	6.0	120	1.40	RSIR	Al	UL	153.6
	HYB60MHU42a	115~	60	ST	6.0	120	1.50	RSCR	Al	UL	153.6
	HYB60MGU72a	115-127~	60	ST	6.0	120	1.58	RSCR	Al	---	153.6
	HYB60MKU72a	115-127~	60	ST	6.0	120	1.65	RSCR	Al	UL	161.1
HYS	HYS67MGU72a	115-127~	60	ST	6.7	136	1.55	RSCR	Al	UL	159.5
	HYS67MKU72a	115-127~	60	ST	6.7	136	1.63	RSCR	Al	UL	159.5
	HYS69MKU42a	115~	60	ST	6.9	140	1.65	RSCR	Al	UL	159.5
HYE	HYE60MSU42	115~	60	ST	6.7	135	1.85*	RSCR	Cu	UL	173.5
	HYE81MSU42	115~	60	ST	8.1	160	1.80*	RSCR	Cu	UL	173.5
	HYE90MGU72	115-127~	60	ST	8.9	175	1.47	RSCR	Cu	UL	173.5
	HYE90MTU 72a	115-127~	60	ST	8.9	175	1.72	RSCR	Al	--	176.5
	HYE105MGU 72a	115-127~	60	ST	10.5	210	1.50	RSCR	Al	UL	173.5
	HYE105MKU 72a	115-127~	60	ST	10.5	210	1.60	RSCR	Al	--	173.5
	HYE105MTU 72a	115-127~	60	ST	10.5	210	1.70	RSCR	Al	--	173.5

① 型号选择 Model

② 制冷量 Cooling Capacity

③ 电机类型及认证 Motor Type and Approvals

④ 压缩机高度 Compressor Height



2.

压缩机产品目录 Compressor Catalogue

变频压缩机性能参数

Variable Speed Compressor Performance Parameters

◆ R600a变频压缩机技术参数

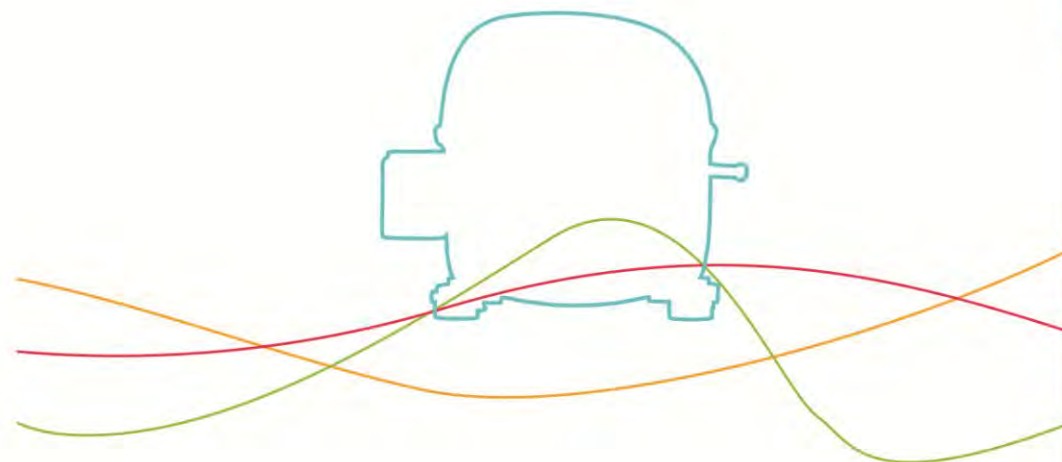
Technical Data of R600a variable speed compressor

系列 Range	型号 Model	气缸容积 Displ (cm³)	冷却方式 Cooling Type	电机类型 Motor Type	频率 (转速) Frequency (Speed)	制冷量 Cooling Capacity (W)	GOP (W/W)	电机描述 Motor description	认证 Certification	壳体高度 Shell height
HVD	HVD58MTa	5.8	ST	PMSM	40(1200)	42	1.72	Al	CCC	125.5
					60(1800)	62	1.77			
					80(2400)	83	1.78			
					100(3000)	104	1.75			
					150(4500)	135	1.62			
	HVD58MX	5.8	ST	PMSM	40(1200)	42	1.83	Cu	CCC	125.5
					60(1800)	62	1.90			
					80(2400)	83	1.89			
					100(3000)	104	1.83			
					150(4500)	135	1.72			
	HVD70MTa	7.0	ST	PMSM	40(1200)	48	1.71	Al	CCC	125.5
					60(1800)	76	1.76			
					80(2400)	102	1.80			
					100(3000)	125	1.77			
					150(4500)	170	1.63			
	HVD70MX	7.0	ST	PMSM	40(1200)	48	1.84	Cu	CCC	125.5
					60(1800)	76	1.95			
					80(2400)	102	1.93			
					100(3000)	125	1.87			
					150(4500)	170	1.72			
HVD90MTa	9.0	ST	PMSM	40(1200)	67	1.71	Al	CCC	125.5	
				60(1800)	102	1.76				
				80(2400)	131	1.80				
				100(3000)	165	1.77				
				150(4500)	215	1.63				
HVD90MX	9.0	ST	PMSM	40(1200)	67	1.84	Cu	CCC	125.5	
				60(1800)	102	1.95				
				80(2400)	131	1.93				
				100(3000)	165	1.89				
				150(4500)	215	1.71				
HVD113MX	11.3	ST	PMSM	40(1200)	81	1.84	Cu	—	125.5	
				60(1800)	102	1.95				
				80(2400)	165	1.93				
				100(3000)	205	1.89				
				150(4500)	280	1.71				

测试条件: -23.3/54.4/32.2℃ Test condition: -23.3/54.4/32.2℃;

测试工况 Test conditions	按ASHRAE 标准 According to ASHRAE
蒸发温度 Evaporating temperature	-23.3℃
冷凝温度 Condensing temperature	54.4℃
过冷温度 Subcooling temperature	32.2℃
吸气温度 Suction temperature	32.2℃
环境温度 Ambient temperature	32.2℃

使用工况范围及极限 Working condition limit	
最大排气压力 Max discharge pressure	0.98[Mpa] 表压 gauge pressure
最大允许壳温 Max allowable housing temperature	95[℃]
最大排气温度 Max discharge temp.	110[℃]
机壳最大承受压力 Max pressure housing endured	2.4 [Mpa] 表压 gauge pressure
低电压启动性能 Low voltage start	0.25/0.25Mpa(表压 gauge pressure)187V



定频压缩机性能参数

Constant Speed Compressor Performance Parameters

◆ R600a-低背压技术参数 R600a-LBP Technical Data Sheet

115-127V~60Hz
115V~60Hz

系列 Range	型号 Model	电压 Voltage (V)	频率 Frequency (Hz)	冷却方式 Cooling Type	汽缸容积 Displacement (cm ³)	制冷量 Cooling Capacity (W)	COP (W/W)	电机类型 Motor Type	电机描述 Motor description	认证 Certification	压缩机高度(H) Compressor Height(mm)
HYB-J	HYB35MHJ42a	115~	60	ST	3.5	65	1.35	RSIR	AI	---	130
HYB	HYB50MGU72a	115-127~	60	ST	5.0	96	1.58	RSCR	AI	---	153.6
	HYB60MHU42	115~	60	ST	6.0	120	1.40	RSIR	AI	UL	153.6
	HYB60MHU42a	115~	60	ST	6.0	120	1.50	RSCR	AI	UL	153.6
	HYB60MGU72a	115-127~	60	ST	6.0	120	1.58	RSCR	AI	---	153.6
	HYB60MKU72a	115-127~	60	ST	6.0	120	1.65	RSCR	AI	UL	161.1
	HYS	HYB67MGU72a	115-127~	60	ST	6.7	136	1.55	RSCR	AI	UL
HYB67MKU72a		115-127~	60	ST	6.7	136	1.63	RSCR	AI	UL	159.5
HYB69MKU42a		115~	60	ST	6.9	140	1.65	RSCR	AI	UL	159.5
HYB69MKU42a		115~	60	ST	6.9	140	1.70	RSCR	AI	---	159.5
HYE60MSU42		115~	60	ST	6.7	135	1.85*	RSCR	Cu	UL	173.5
HYE	HYE81MSU42	115~	60	ST	8.1	160	1.80*	RSCR	Cu	UL	173.5
	HYE90MGU72	115-127~	60	ST	8.9	175	1.47	RSCR	Cu	UL	173.5
	HYE90MTU 72a	115-127~	60	ST	8.9	175	1.72	RSCR	AI	---	176.5
	HYE105MGU 72a	115-127~	60	ST	10.5	210	1.50	RSCR	AI	UL	173.5
	HYE105MKU 72a	115-127~	60	ST	10.5	210	1.60	RSCR	AI	---	173.5
	HYE105MTU 72a	115-127~	60	ST	10.5	210	1.70	RSCR	AI	—	173.5

◆ R134a-低背压技术参数 R134a-LBP Technical Data Sheet

115-127V~60Hz
115V~60Hz

系列 Range	型号 Model	电压 Voltage (V)	频率 Frequency (Hz)	冷却方式 Cooling Type	汽缸容积 Displacement (cm ³)	制冷量 Cooling Capacity (W)	COP (W/W)	电机类型 Motor Type	电机描述 Motor description	认证 Certification	压缩机高度(H) Compressor Height(mm)
HYB-J	HYB25YJ42a	115~	60	ST	2.5	76	1.05	RSIR	AI	---	130
HYB	HYB30Y72a	115-127~	60	ST	3.1	98	1.38	RSCR	AI	UL	153.6
	HYB41Y72a	115-127~	60	ST	4.1	130	1.30	RSIR	AI	UL	153.6
HYS	HYS45YT42	115~	60	ST	4.5	155	1.55	RSCR	AI	UL	159
HYE	HYE51YG42	115~	60	ST	5.1	165	1.43	RSCR	Cu	UL	167
	HYE51YT42	115~	60	ST	5.1	170	1.65	RSCR	Cu	UL	173.5
	HYE51YD72	115-127~	60	ST	5.1	180	1.80*	RSCR	Cu	---	176.5
	HYE55Y42	115~	60	ST	5.5	175	1.28	RSIR	Cu	UL	167
	HYE55YT42	115~	60	ST	5.5	180	1.65	RSCR	Cu	UL	173.5
	HYE55YD72	115-127~	60	ST	5.5	195	1.80*	RSCR	Cu	--	176.5
	HYE60Y42	115~	60	ST	6.0	200	1.28	RSIR	Cu	UL	167
	HYE60YT42	115~	60	ST	6.0	210	1.65	RSCR	Cu	UL	173.5
	HYE60YD72	115-127~	60	ST	6.0	220	1.80*	RSCR	Cu	---	176.5
	HYE72YD72	115-127~	60	ST	6.7	240	1.80*	RSCR	Cu	UL	176.5
HY	HY69Y42	115~	60	FC	6.9	225	1.25	RSIR	Cu	UL	191
	HY72YT72	115-127~	60	ST	6.9	235	1.65	RSCR	Cu	UL	191
	HY90YK52	127~	60	FC	8.1	270	1.47	RSCR	Cu	UL	191
	HY113Y42	115~	60	FC	11.3	370	1.30	CSR	Cu	UL	193

◆ R600a-低背压技术参数
R600a-LBP Technical Data Sheet

220-240V-50Hz
220-240V-50/60Hz

系列 Range	型号 Model	电压 Voltage (V)	频率 Frequency (Hz)	冷却方式 Cooling Type	汽缸容积 Displacement (cm ³)	制冷量 Cooling Capacity (W)	COP (W/W)	电机类型 Motor Type	电机描述 Motor description	认证 Certification	压缩机高度(H) Compressor Height(mm)
HYB-J	HYB35MJa	220-240-	50	ST	3.5	55	1.15	RSIR	Al	CCC	130
	HYB35MGJ	220-240-	50	ST	3.5	55	1.53	RSIR	Al	CCC	130
	HYB40MJa	220-240-	50	ST	4.0	65	1.15	RSIR	Al	CCC	130
	HYB50MJa	220-240-	50	ST	5.0	75	1.10	RSIR	Al	CCC	130
	HYB60MJa	220-240-	50	ST	6.0	95	1.10	RSIR	Al	CCC	130
HYB	HYB50MHUa	220-240-	50	ST	5.0	80	1.30	RSIR	Al	CCC	153.6
	HYB50MGUa	220-240-	50	ST	5.0	85	1.53	RSCR	Al	CCC	153.6
	HYB60MHU	220-240-	50	ST	6.0	100	1.45	RSIR	Al	CCC/VDE	153.6
	HYB60MGU	220-240-	50	ST	6.0	100	1.55	RSCR	Al	CCC	153.6
	HYB60MGU	220-240-	50	ST	6.0	100	1.49	RSIR	Cu	CCC	153.6
	HYB60MGUa	220-240-	50	ST	6.0	100	1.49	RSIR	Al	CCC	161.1
	HYB60MKU	220-240-	50	ST	6.0	100	1.65	RSCR	Cu	CCC	153.6
	HYB60MKUa	220-240-	50	ST	6.0	100	1.65	RSCR	Al	CCC/VDE	161.1
	HYB69MHUa	220-240-	50	ST	6.9	118	1.43	RSIR	Al	CCC	153.6
	HYB69MKUa	220-240-	50	ST	6.9	120	1.65	RSCR	Al	CCC	161.1
	HYB81MHUa	220-240-	50	ST	8.1	135	1.35	RSIR	Al	CCC	153.6
	HYB81MHUa	220-240-	50	ST	8.1	135	1.45	RSIR	Al	CCC	153.6
	HYB81MKUa	220-240-	50	ST	8.1	135	1.65	RSCR	Al	CCC	161.1
	HYB81MTUa	220-240-	50	ST	8.1	138	1.72	RSCR	Al	CCC	161.1
	HYB90MHUa	220-240-	50	ST	9.0	148	1.35	RSIR	Al	CCC	153.6
	HYB90MHUa	220-240-	50	ST	9.0	148	1.45	RSIR	Al	CCC	153.6
	HYB90MKUa	220-240-	50	ST	9.0	148	1.65	RSCR	Al	CCC	161.1
	HYB90MTUa	220-240-	50	ST	9.0	148	1.72	RSCR	Al	CCC	161.1
HYB96MHUa	220-240-	50	ST	9.6	160	1.30	RSIR	Al	CCC	153.6	
HYS	HYS55MSU	220-240-	50	ST	5.5	95	1.83*	RSCR	Cu	CCC	159.5
	HYS55MSUa	220-240-	50	ST	5.5	93	1.8*	RSCR	Al	CCC	159.5

系列 Range	型号 Model	电压 Voltage (V)	频率 Frequency (Hz)	冷却方式 Cooling Type	汽缸容积 Displacement (cm ³)	制冷量 Cooling Capacity (W)	COP (W/W)	电机类型 Motor Type	电机描述 Motor description	认证 Certification	压缩机高度(H) Compressor Height(mm)
HYS	HYS55MXU	220-240-	50	ST	5.5	95	1.88*	RSCR	Cu	CCC	159.5
	HYS60MKU	220-240-	50	ST	6.0	100	1.65	RSCR	Al	CCC	153
	HYS60MTU	220-240-	50	ST	6.0	100	1.74	RSCR	Cu	CCC/VDE	159.5
	HYS60MSU	220-240-	50	ST	6.0	100	1.83*	RSCR	Cu	CCC/VDE	159.5
	HYS60MSUa	220-240-	50	ST	6.0	100	1.83*	RSCR	Al	CCC/VDE	165
	HYS60MXUa	220-240-	50	ST	6.0	102	1.88*	RSCR	Al	CCC	165
	HYS65MXUa	220-240-	50	ST	6.5	110	1.88*	RSCR	Al	CCC	165
	HYS60MDU	220-240-	50	ST	6.0	102	1.93*	RSCR	Cu	CCC	159.5
	HYS67MGU62	220-240-	60	ST	6.7	136	1.55	RSCR	Cu	CCC/CB	153
	HYS67MKU62	220-240-	60	ST	6.7	136	1.60	RSCR	Cu	CCC/CB	153
	HYS69MHU	220-240-	50	ST	6.9	120	1.25	RSIR	Al	CCC	153
	HYS69MGU	220-240-	50	ST	6.9	120	1.60	RSCR	Cu	CCC	153
	HYS69MGUa	220-240-	50	ST	6.9	120	1.55	RSCR	Al	CCC	153
	HYS69MKU	220-240-	50	ST	6.9	120	1.65	RSCR	Cu	CCC	153
	HYS69MKUa	220-240-	50	ST	6.9	120	1.65	RSCR	Al	CCC	165
	HYS69MTU	220-240-	50	ST	6.9	120	1.72	RSCR	Cu	CCC	159.5
	HYS69MTU	220-240-	50	ST	6.9	120	1.72	RSIR	Al	CCC	165
	HYS69MSU	220-240-	50	ST	6.9	120	1.83*	RSCR	Cu	CCC/VDE	159.5
	HYS69MSUa	220-240-	50	ST	6.9	120	1.83*	RSCR	Al	CCC/VDE	165
	HYS69MXUa	220-240-	50	ST	6.9	122	1.88*	RSCR	Al	CCC	165
HYS69MDU	220-240-	50	ST	6.9	122	1.93*	RSCR	Cu	CCC	159.5	
HYS72MKUa	220-240-	50	ST	7.2	128	1.65	RSCR	Al	---	159.5	
HYS81MKUa	220-240-	50	ST	8.1	138	1.65	RSCR	Al	CCC	159.5	
HYS81MKU	220-240-	50	ST	8.1	138	1.65	RSCR	Cu	CCC	153	
HYS81MTUa	220-240-	50	ST	8.1	138	1.72	RSCR	Al	CCC	159.5	
HYS81MTU	220-240-	50	ST	8.1	138	1.72	RSCR	Cu	CCC	159.5	

◆ R600a-低背压技术参数
R600a-LBP Technical Data Sheet

220-240V-50Hz
220-240V-50/60Hz

系列 Range	型号 Model	电压 Voltage (V)	频率 Frequency (Hz)	冷却方式 Cooling Type	汽缸容积 Displacement (cm ³)	制冷量 Cooling Capacity (W)	COP (W/W)	电机类型 Motor Type	电机描述 Motor description	认证 Certification	压缩机高度(H) Compressor Height(mm)
HYS	HYS81MSUa	220-240-	50	ST	8.1	138	1.80*	RSCR	Al	---	159.5
	HYS81MXUa	220-240-	50	ST	8.1	138	1.85*	RSCR	Al	CCC	167.5
HYE	HYE50MXU	220-240-	50	ST	5.5	95	1.93*	RSCR	Cu	CCC/VDE	173.5
	HYE50MDU	220-240-	50	ST	5.5	96	2.00*	RSCR	Cu	CCC/VDE	173.5
	HYE50MEU	220-240-	50	ST	6.0	98	2.05*	RSCR	Cu	---	176.5
	HYE55MTU	220-240-	50	ST	6.0	102	1.74	RSCR	Cu	CCC	173.5
	HYE55MSU	220-240-	50	ST	6.0	102	1.83*	RSCR	Cu	CCC/VDE	173.5
	HYE55MXU	220-240-	50	ST	6.0	105	1.93*	RSCR	Cu	CCC	173.5
	HYE55MXUa	220-240-	50	ST	6.0	105	1.93*	RSCR	Al	CCC	173.5
	HYE55MDU	220-240-	50	ST	6.0	108	2.00*	RSCR	Cu	CCC/VDE	173.5
	HYE60MKU	220-240-	50	ST	6.7	115	1.68	RSCR	Cu	CCC/VDE	167
	HYE60MTU	220-240-	50	ST	6.7	115	1.78*	RSCR	Cu	CCC/VDE	173.5
	HYE60MSU	220-240-	50	ST	6.7	117	1.85*	RSCR	Cu	CCC	173.5
	HYE60MXU	220-240-	50	ST	6.7	115	1.93*	RSCR	Cu	CCC	173.5
	HYE60MDU	220-240-	50	ST	6.7	118	2.00*	RSCR	Cu	CCC/VDE	173.5
	HYE69MGU	220-240-	50	ST	7.2	128	1.62	RSCR	Cu	CCC/VDE	167
	HYE69MKU	220-240-	50	ST	7.2	125	1.68	RSCR	Cu	CCC/VDE	173.5
	HYE69MTU	220-240-	50	ST	7.2	125	1.78*	RSCR	Cu	CCC/VDE	173.5
	HYE69MSU	220-240-	50	ST	7.2	128	1.85*	RSCR	Cu	CCC/VDE	173.5
	HYE69MXU	220-240-	50	ST	7.2	126	1.93*	RSCR	Cu	CCC/VDE	173.5
	HYE69MDU	220-240-	50	ST	7.2	126	1.98*	RSCR	Cu	CCC/VDE	173.5
	HYE81MHU	220-240-	50	ST	8.1	140	1.40	RSIR	Cu	CCC/VDE	167
HYE81MHU	220-240-	50	ST	8.1	140	1.30	RSIR	Al	CCC/VDE	167	
HYE81MHU	220-240-	50	ST	8.1	140	1.40	RSIR	Al	CCC/VDE	167	
HYE81MGU	220-240-	50	ST	8.1	140	1.55	RSCR	Cu	CCC/VDE	173.5	
HYE81MKU	220-240-	50	ST	8.1	140	1.68	RSCR	Cu	CCC/VDE	173.5	

系列 Range	型号 Model	电压 Voltage (V)	频率 Frequency (Hz)	冷却方式 Cooling Type	汽缸容积 Displacement (cm ³)	制冷量 Cooling Capacity (W)	COP (W/W)	电机类型 Motor Type	电机描述 Motor description	认证 Certification	压缩机高度(H) Compressor Height(mm)
HYE	HYE81MTU	220-240-	50	ST	8.1	140	1.78*	RSCR	Cu	CCC/VDE	173.5
	HYE81MTU62	220-240-	60	ST	8.1	160	1.78*	RSCR	Cu	CCC/VDE	173.5
	HYE81MSU	220-240-	50	ST	8.1	142	1.85*	RSCR	Cu	CCC/VDE	173.5
	HYE81MSUa	220-240-	50	ST	8.1	142	1.83*	RSCR	Al	CCC	173.5
	HYE81MXU	220-240-	50	ST	8.1	142	1.93*	RSCR	Cu	CCC/VDE	173.5
	HYE81MDU	220-240-	50	ST	8.1	145	1.98*	RSCR	Cu	CCC/VDE	173.5
	HYE90MHU	220-240-	50	ST	8.9	152	1.20	RSIR	Al	CCC	173.5
	HYE90MGU	220-240-	50	ST	8.9	152	1.55	RSCR	Cu	CCC	173.5
	HYE90MGUa	220-240-	50	ST	8.9	152	1.50	RSCR	Al	CCC	173.5
	HYE90MKU	220-240-	50	ST	8.9	152	1.65	RSCR	Cu	CCC	173.5
	HYE90MKUa	220-240-	50	ST	8.9	152	1.65	RSIR	Al	CCC	173.5
	HYE90MTU	220-240-	50	ST	8.9	152	1.78*	RSCR	Cu	CCC/VDE	173.5
	HYE90MTUa	220-240-	50	ST	8.9	152	1.74	RSIR	Al	CCC	173.5
	HYE90MSU	220-240-	50	ST	8.9	152	1.85*	RSCR	Cu	CCC/VDE	173.5
	HYE90MXU	220-240-	50	ST	8.9	152	1.93*	RSCR	Cu	CCC/VDE	173.5
	HYE90MXU63▲	220-240-	50/60	ST	8.9	152	1.80*	RSCR	Cu	---	173.5
	HYE96MDU	220-240-	50	ST	9.6	170	1.98*	RSCR	Cu	CCC/VDE	173.5
	HYE96MHU	220-240-	50	ST	9.6	168	1.20	RSIR	Al	CCC	173.5
	HYE96MGU	220-240-	50	ST	9.6	168	1.55	RSCR	Cu	CCC	173.5
	HYE96MGUa	220-240-	50	ST	9.6	168	1.55	RSCR	Al	CCC	173.5
HYE96MKU	220-240-	50	ST	9.6	168	1.68	RSCR	Cu	CCC/VDE	173.5	
HYE96MKUa	220-240-	50	ST	9.6	168	1.65	RSCR	Al	CCC	173.5	
HYE96MTU	220-240-	50	ST	9.6	168	1.78*	RSCR	Cu	CCC/VDE	173.5	
HYE96MTUa	220-240-	50	ST	9.6	168	1.75	RSCR	Al	CCC	173.5	
HYE96MSU	220-240-	50	ST	9.6	168	1.85*	RSCR	Cu	CCC/VDE	173.5	
HYE96MSUa	220-240-	50	ST	9.6	168	1.85*	RSCR	Al	CCC/VDE	173.5	

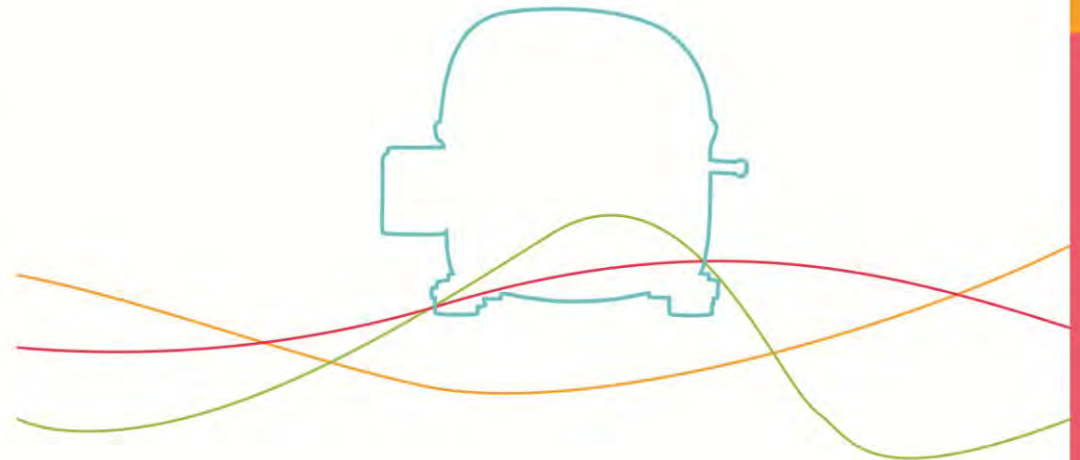
◆ R600a-低背压技术参数
R600a-LBP Technical Data Sheet

220-240V~50Hz
220-240V~50/60Hz

系列 Range	型号 Model	电压 Voltage (V)	频率 Frequency (Hz)	冷却方式 Cooling Type	汽缸容积 Displacement (cm ³)	制冷量 Cooling Capacity (W)	COP (W/W)	电机类型 Motor Type	电机描述 Motor description	认证 Certification	压缩机高度(H) Compressor Height(mm)
HYE	HYE96MXU	220-240~	50	ST	9.6	168	1.93*	RSCR	Cu	CCC/VDE	173.5
	HYE96MXUa	220-240~	50	ST	9.6	168	1.9*	RSCR	Al	CCC/VDE	173.5
	HYE96MDU	220-240~	50	ST	9.6	168	1.96*	RSCR	Cu	CCC/VDE	173.5
	HYE105MHU	220-240~	50	ST	10.5	185	1.20	RSIR	Al	CCC	173.5
	HYE105MTU63▲	220-240~	50/60	ST	10.5	180	1.74	RSCR	Al	---	173.5
	HYE105MTUa	220-240~	50	ST	10.5	180	1.73	RSCR	Al	CCC	173.5
	HYE105MSU	220-240~	50	ST	10.5	185	1.85*	RSCR	Cu	CCC/VDE	173.5
	HYE105MSUa	220-240~	50	ST	10.5	185	1.82*	RSCR	Al	CCC	176.5
	HYE105MXU	220-240~	50	ST	10.5	185	1.82*	RSCR	Cu	CCC	176.5
	HYE113MHUa	220-240~	50	ST	11.3	200	1.25	RSIR	Al	CCC	173.5
	HYE113MKU	220-240~	50	ST	11.3	200	1.65	RSCR	Cu	CCC	173.5
	HYE113MKUa	220-240~	50	ST	11.3	200	1.63	RSCR	Al	CCC	173.5
	HYE113MTU	220-240~	50	ST	11.3	200	1.74	RSCR	Cu	----	173.5
	HYE113MSU	220-240~	50	ST	11.3	200	1.85*	RSCR	Cu	CCC/VDE	173.5
	HYE113MSU62	220-240~	60	ST	11.3	230	1.80*	RSCR	Cu	---	176.5
	HYE125MSU	220-240~	50	ST	12.3	218	1.85*	RSCR	Cu	CCC/VDE	173.5
	HYE125MSUa	220-240~	50	ST	12.3	218	1.8	RSCR	Al	CCC/VDE	173.5
	HYE131MTU	220-240~	50	ST	13.1	230	1.78	RSCR	Cu	---	176.5
	HYE131MSU	220-240~	50	ST	13.1	230	1.83*	RSCR	Cu	---	176.5
	HYE142MSU	220-240~	50	ST	14.2	245	1.80*	RSCR	Cu	---	176.5
HY	HY113MKU	220-240~	50	ST	11.3	203	1.65	RSCR	Cu	CCC	187.5
	HY113MTU	220-240~	50	ST	11.3	203	1.73	RSCR	Cu	CCC	187.5
	HY113MSU	220-240~	50	ST	11.3	205	1.85*	RSCR	Cu	CCC	193
	HY113MXU	220-240~	50	ST	11.3	205	1.90*	RSCR	Cu	---	193
	HY131MKU	220-240~	50	ST	13.1	235	1.65	RSCR	Cu	CCC	187.5
	HY131MTU	220-240~	50	ST	13.1	235	1.75	RSCR	Cu	CCC	193

系列 Range	型号 Model	电压 Voltage (V)	频率 Frequency (Hz)	冷却方式 Cooling Type	汽缸容积 Displacement (cm ³)	制冷量 Cooling Capacity (W)	COP (W/W)	电机类型 Motor Type	电机描述 Motor description	认证 Certification	压缩机高度(H) Compressor Height(mm)
HY	HY131MSU	220-240~	50	ST	13.1	240	1.85*	RSCR	Cu	CCC	193
	HY131MXU	220-240~	50	ST	13.1	245	1.90*	RSCR	Cu	CCC	193
	HY153MHUa	220-240~	50	ST	15.3	270	1.20	RSCR	Al	CCC	193
	HY153MKU	220-240~	50	ST	15.3	270	1.65	RSCR	Cu	CCC	193
	HY153MTU	220-240~	50	ST	15.3	270	1.72	RSCR	Cu	CCC	193
	HY153MSU	220-240~	50	ST	15.3	272	1.80*	RSCR	Cu	CCC	193

表中*为带无功耗PTC测试数据 Note:* with E-PTC



◆ R134a-低背压技术参数
R134a-LBP Technical Data Sheet

220-240V~50/60Hz

系列 Range	型号 Model	电压 Voltage (V)	频率 Frequency (Hz)	冷却方式 Cooling Type	汽缸容积 Displacement (cm ³)	制冷量 Cooling Capacity (W)	COP (W/W)	电机类型 Motor Type	电机描述 Motor description	认证 Certification	压缩机高度(H) Compressor Height(mm)
HYB-J	HYB22YJ63a	220-240	50	ST	2.2	55	0.95	RSIR	Al	CCC/VDE	126
			60			65	1.05				
	HYB25YJ63a	220-240	50	ST	2.5	65	0.95	RSIR	Al	CCC/VDE	130
			60			76	1.05				
	HYB30YJ63a	220-240	50	ST	3.0	78	0.95	RSIR	Al	CCC/VDE	130
			60			90	1.05				
HYB30YJa	220-240	50	ST	3.0	78	1.15	RSCR	Al	CCC/VDE	142	
HYB	HYB25Y63a	220-240	50	ST	2.5	65	1.25	RSCR	Al	CCC	153.6
			60			80	1.30				
	HYB30Y63a	220-240	50	ST	3.1	85	1.25	RSCR	Al	CCC/VDE	153.6
			60			98	1.35				
	HYB35Y	220-240	50	ST	3.4	90	1.30	RSIR	Cu	CCC/VDE	153.6
	HYB35Ya	220-240	50	ST	3.5	90	1.15	RSIR	Al	CCC	153.6
HYB41Y	220-240	50	ST	4.1	110	1.15	RSIR	Al	CCC/VDE	153.6	
HYB41Y62a	220-240	60	ST	4.1	130	1.30	RSIR	Al	CCC/VDE	161.1	
HYS	HYS45Y	220-240	50	ST	4.5	125	1.30	RSIR	Cu	CCC/VDE	153
	HYS45Ya	220-240	50	ST	4.5	125	1.20	RSIR	Al	CCC/VDE	153
	HYS45Y62a	220-240	60	ST	4.5	145	1.20	RSIR	Al	---	153
HYE	HYE51YK63a	220-240	50	ST	5.1	150	1.50	RSCR	Al	---	173.5
			60			170	1.50				
	HYE55Y	220-240	50	ST	5.5	150	1.28	RSIR	Cu	CCC/VDE	167
	HYE55Y63	220-240	50	ST	5.5	150	1.28	RSIR	Cu	CCC/VDE	167
			60			170	1.28				
	HYE55YL63	220-240	50	ST	5.5	155	1.15	RSIR	Al	CCC/VDE	169
			60			175	1.15				
	HYE55YG63	220-240	50	ST	5.5	150	1.35	RSCR	Cu	CCC/VDE	167

系列 Range	型号 Model	电压 Voltage (V)	频率 Frequency (Hz)	冷却方式 Cooling Type	汽缸容积 Displacement (cm ³)	制冷量 Cooling Capacity (W)	COP (W/W)	电机类型 Motor Type	电机描述 Motor description	认证 Certification	压缩机高度(H) Compressor Height(mm)
HYE	HYE55YG63	220-240	60	ST	5.5	170	1.35	RSCR	Cu	CCC/VDE	167
	HYE55YG62	220-240	60	ST	5.1	170	1.47	RSCR	Cu	VDE	173.5
	HYE55YG63a	220-240	50	ST	5.5	150	1.25	RSCR	Al	CCC	173.5
			60			170	1.35				
	HYE55YT	220-240	50	ST	5.5	160	1.65	RSCR	Cu	CCC	173.5
	HYE55YT63	220-240	50	ST	5.5	160	1.62	RSCR	Cu	CCC/VDE	173.5
			60			180	1.62				
	HYE60Y	220-240	50	ST	6.0	170	1.28	RSIR	Cu	CCC	167
	HYE60Y63	220-240	50	ST	6.0	170	1.28	RSIR	Cu	CCC/VDE	167
			60			190	1.28				
	HYE60YL63	220-240	50	ST	6.0	175	1.15	RSIR	Al	CCC	169
			60			195	1.15				
	HYE60YG	220-240	50	ST	6.0	170	1.43	RSCR	Cu	CCC/VDE	173.5
	HYE60YG63	220-240	50	ST	6.0	170	1.35	RSCR	Cu	CCC/VDE	167
			60			190	1.35				
	HYE60YK	220-240	50	ST	6.0	175	1.52	RSCR	Cu	CCC/VDE	173.5
	HYE60YK	220-240	50	ST	6.0	175	1.52	RSCR	Al	VDE	173.5
	HYE60YS	220-240	50	ST	6.0	180	1.70*	RSCR	Cu	CCC/VDE	173.5
	HYE60YX	220-240	50	ST	6.0	185	1.75*	RSCR	Cu	CCC/VDE	173.5
	HYE60YD	220-240	50	ST	6.0	190	1.80*	RSCR	Cu		176.5
	HYE69Y	220-240	50	ST	6.7	190	1.26	RSIR	Cu	CCC	173.5
	HYE69Y63	220-240	50	FC	6.7	190	1.26	RSIR	Cu	CCC/VDE	173.5
			60			210	1.26				
	HYE69YL	220-240	50	ST	6.7	190	1.20	RSIR	Al	CCC	173.5
HYE69Y62a	220-240	60	ST	6.7	225	1.35	RSCR	Al	CCC	173.5	
HYE69YG	220-240	50	ST	6.7	190	1.43	RSCR	Cu	CCC/VDE	173.5	

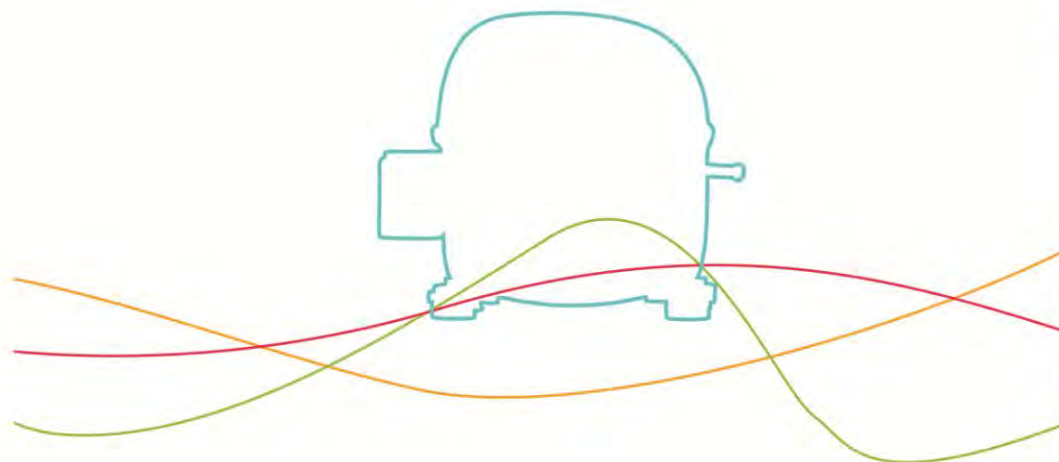
◆ R134a-低背压技术参数
R134a-LBP Technical Data Sheet

220-240V~50/60Hz

系列 Range	型号 Model	电压 Voltage (V)	频率 Frequency (Hz)	冷却方式 Cooling Type	汽缸容积 Displacement (cm ³)	制冷量 Cooling Capacity (W)	COP (W/W)	电机类型 Motor Type	电机描述 Motor description	认证 Certification	压缩机高度(H) Compressor Height(mm)
HVE	HVE69YK	220-240	50	ST	6.7	195	1.52	RSCR	Cu	CCC/VDE	173.5
	HVE69YK	220-240	50	ST	6.0	195	1.52	RSCR	Al	VDE	173.5
	HVE69YS	220-240	50	ST	6.7	200	1.70*	RSCR	Cu	CCC/VDE	173.5
	HVE69YD	220-240	50	ST	6.7	200	1.80*	RSCR	Cu		176.5
	HVE81Y	220-240	50	FC	8.1	230	1.28	RSIR	Cu	CCC	173.5
	HVE81YT	220-240	50	ST	8.1	230	1.63	RSCR	Cu	CCC	176.5
HY	HY69Y63	220-240	50	FC	6.9	195	1.12	RSIR	Cu	CCC/VDE	191
		220-240	60			215	1.12				
	HY69YH	220-240	50	ST	6.9	195	1.35	RSIR	Cu	CCC/VDE	185.6
	HY69YG	220-240	50	ST	6.9	195	1.45	RSCR	Cu	CCC/VDE	185.6
	HY69YGa	220-240	50	ST	6.9	195	1.45	RSCR	Al	CCC/VDE	185.6
	HY81Y	220-240	50	FC	8.1	235	1.25	RSIR	Cu	CCC/VDE	191
	HY81YG	220-240	50	ST	8.1	235	1.45	RSCR	Cu	CCC/VDE	191.1
	HY81YGa	220-240	50	ST	8.1	235	1.45	RSCR	Al	CCC/VDE	191
	HY81YT	220-240	50	ST	8.1	235	1.65	RSCR	Cu	CCC/VDE	193
	HY81YTa▲	220-240	50	ST	8.1	235	1.65	RSCR	Al		191
	HY90Y	220-240	50	FC	9.0	265	1.30	RSIR	Cu	CCC/VDE	191
	HY90Ya	220-240	50	FC	9.0	265	1.30	RSIR	Al	CCC	191
	HY90YG	220-240	50	ST	9.0	270	1.45	RSCR	Cu	CCC/VDE	191
	HY94YT	220-240	50	ST	9.4	280	1.65	RSCR	Cu	CCC/VDE	193
	HY113Y	220-240	50	FC	11.3	330	1.30	CSR	Cu	CCC/VDE	193
	HY113Ya	220-240	50	FC	11.3	330	1.10	CSR	Al	CCC	193
	HY131Y	220-240	50	FC	13.1	380	1.30	CSR	Cu	CCC	193
HY131Ya	220-240	50	FC	13.1	370	1.10	CSCR	Al	CCC	193	
HY153Y	220-240	50	FC	15.3	430	1.30	CSR	Cu	CCC	193	

测试工况 Test conditions	按ASHRAE 标准 According to ASHRAE
蒸发温度 Evaporating temperature	-23.3℃
冷凝温度 Condensing temperature	54.4℃
过冷温度 Subcooling temperature	32.2℃
吸气温度 Suction temperature	32.2℃
环境温度 Ambient temperature	32.2℃

使用工况范围及极限 Working condition limit	
最大排气压力 Max discharge pressure	2.0[Mpa] 表压 gauge pressure
最大允许壳温 Max allowable housing temperature	95[℃]
最大排气温度 Max discharge temp.	125[℃]
机壳最大承受压力 Max pressure housing endured	2.7 [Mpa] 表压 gauge pressure
低电压启动性能 Low voltage start	0.5/0.5Mpa(表压 gauge pressure)187V/98V





3.

技术信息 Technical Information

一般技术信息 General technical information

- 1、压缩机在真空条件下的不得加高电压测试或进行启动测试；
- 2、压缩机可在不大于下表中的平衡压力下85%的标称电压值下启动；

制冷剂	平衡压力 (kgf/cm ²) (表压)	
	LBP	
R600a	2.5	
R134a	5.0	

- 3、冷媒封入时，会出现冷媒在上、冷冻机油在下的分层状态，此时请不要立即启动压缩机，若启动由于冷冻机油润滑不足，导致机械部件划伤；且压力未及时平衡，会导致启动不良。

- 1、The compressor under vacuum condition should not be tested at high voltage or tested for startup.
- 2、The compressor can be started under the nominal voltage under not more than 85% of equilibrium pressure in the table below.

Refrigerant	Balance Pressure (kgf/cm ²) (gauge pressure)	
	LBP	
R600a	2.5	
R134a	5.0	

3. When filling the refrigerant into the compressor, there will appear the phenomenon of stratification that the refrigerant oil is at bottom, in this case, please don't immediately start up the compressor, if you do so, the mechanical components may be scratched due to insufficient amount of lubricating refrigerator oil; moreover, the pressure has not achieved equilibrium, which will cause poor startup.



- 1、压缩机搬运过程中需要保持压缩机垂直，不能倒置，并尽量避免撞击和振动；
- 2、压缩机启动器、保护器等电装品必须使用配套制定的式样；
- 3、拔出橡皮塞，请在5分钟内将压缩机与制冷系统连接，不允许有任何空气中的灰尘或潮气进入压缩机里面；
- 4、不要对吸气管、排气管施加强制性弯曲力；
- 5、不得往压缩机内注入任何非指定液体；
- 6、制冷系统不能含氟系列残留物（除锈剂、清洗剂（包含R113）等），有机物的残渣量在100mg以下；
- 7、冷媒充注不要超过规定量；
- 8、压缩机外接电源线不能接错，若发生误接线，压缩机逆转，压缩机不能再使用；
- 9、压缩机端子罩内的配线须使用耐热性高的配线。

- 1、During the handling of the compressor, it is required to keep the compressor in vertical position, don't place it upside down and avoid impact and vibration as far as possible.
- 2、Electric components like starter, protector etc. of the compressor must adopt the specifications specified by our company.
- 3、Pull out the rubber plug, please connect the compressor with the refrigerating system within 5 minutes, it is not allowed to let any dust or moisture in the air enter the compressor.
- 4、Do not apply positive bending force to the suction and exhaust pipes.
- 5、It is forbidden to fill any non-specified liquid into the compressor.
- 6、The refrigerating system should not contain chlorine series residue (rust remover, cleaning agent (containing R113 etc.), and the amount of residual organic matter should be below 100mg.
- 7、The refrigerant charge should not exceed the specified amount.
- 8、Do not wrongly connect the external power lines of compressor. If they are connected wrongly, the compressor will be reversed and can not be used any longer.
- 9、The wires in the terminal cover of the compressor must use high temperature resistant ones.

- 1、压缩机出厂后的库存期最好不要超过6个月。如果超过6个月，请检查压缩机内的干燥氮气是否充足，必要时应补充；
- 2、请将压缩机储存于通风干燥的地方，尽量避免湿气。

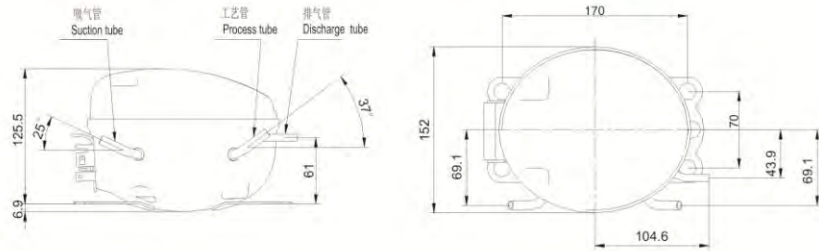


- 1、The warehouse storage period of the compressor after delivery should preferably not exceed 6 months; If the storage period exceeds 6 months, please check if the dry nitrogen gas in the compressor is sufficient, and make up it, if necessary.
- 2、Please store the compressor in a well ventilated dry place and try to avoid moisture.

外形尺寸图 Dimensional Drawings

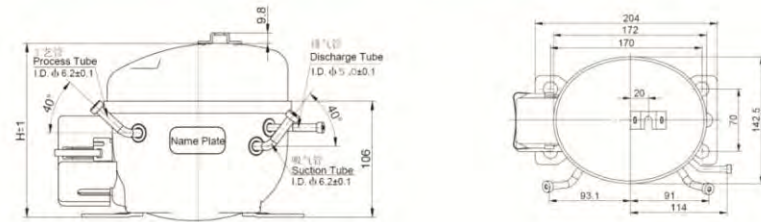
HVD 变频系列压缩机

HVD VS RANGE COMPRESSOR



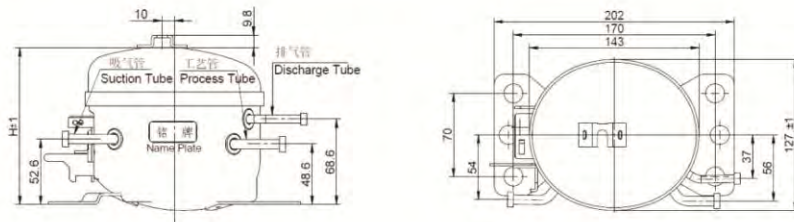
HYS 系列压缩机

HYS RANGE COMPRESSOR



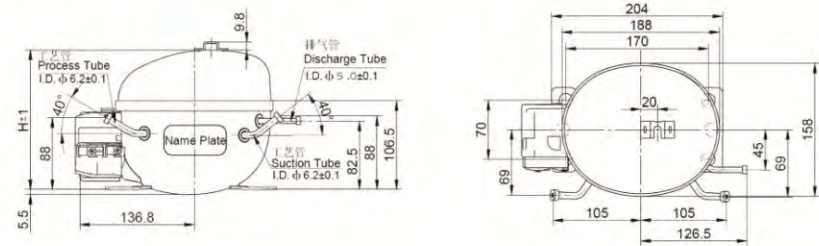
HYB-J 系列压缩机

HYB-J RANGE COMPRESSOR



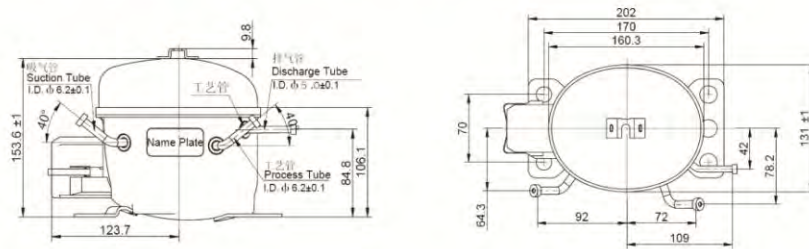
HYE 系列压缩机

HYE RANGE COMPRESSOR



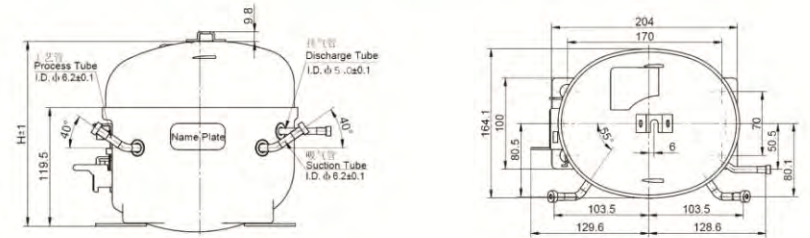
HYB 系列压缩机

HYB RANGE COMPRESSOR



HY 系列压缩机

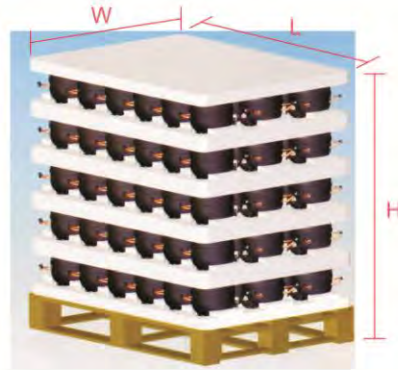
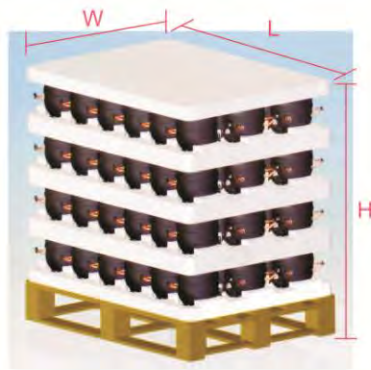
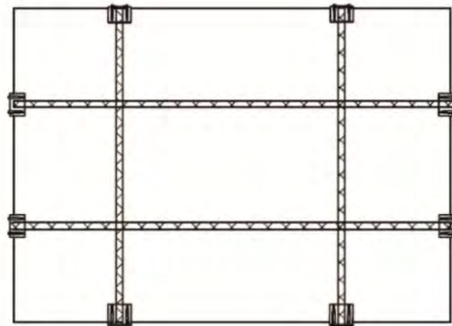
HY RANGE COMPRESSOR



包装 Packaging

压缩机类型 Compressor Type	包装数量(台/包) Quantity	包装外形尺寸(长×宽×高) Overall dimensions(L×W×H)	适用包装类型 Applicable packaging types	备注 Notes
HYE压缩机 HYE SERIES	120	1120×910×1150 (1130)	国内R600a分体支架压缩机 Domestic	5层 5 Layers
	90	1120×820×1150 (1130)	国内R134a、国内R600a整体支架压缩机 Domestic	5层 5 Layers
	72	1120×820×960 (940)	出口 Export	4层 4 Layers
HYB压缩机 HYB SERIES	126/175	1120×820×1210	国内 Domestic	6/7层 6/7 Layers
	105/150	1120×820×1040	出口 Export	5/6层 5/6 Layers
HYS压缩机 HYS SERIES	120	1120×910×1070 (1030)	国内 Domestic	5层 5 Layers
	72	1120×820×900 (870)	出口 Export	4层 4 Layers
HY压缩机 HY SERIES	90	1120×820×1250 (1185)	国内 Domestic	5层 5 Layers
	72	1120×820×1020 (1000)	出口 Export	4层 4 Layers
HVD压缩机 HVD SERIES	168	1095×796×1075	国内 Domestic	7层 7 Layers

包装整体图 Package diagram



附件 Fixings

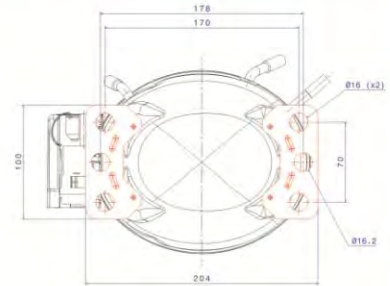
电器具的生产厂家可以通过安装附件将压缩机固定在箱体底板上,使压缩机和制冷系统连接在一起。

Fixings allow the manufacturer of appliances to fix the compressor to the appliance base, connecting it to the cooling system.

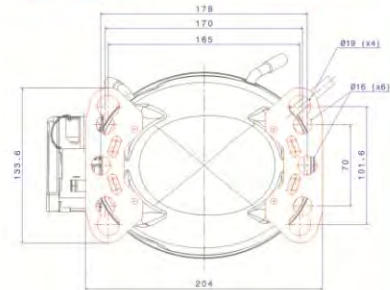
底脚板 Mounting feet

<p>欧洲版本 一组4个直径16.5毫米的孔,轴间距:70×170毫米</p> <p>European type Set of 4 holes of 16.5mm DIA with inter-axes: 70×170mm</p>	<p>美洲版本 两组4个孔: 1.-一组4个直径16.5毫米的孔,轴间距:70×170毫米 2.-一组¼英寸(19毫米)直径的孔,轴间距:4×6½英寸(101.6×165毫米)</p> <p>American type 1.-set of 16.5mm DIA with inter-axes:70×170mm 2.-set of ¼ inch(19mm) DIA with inter-axes:4×6½ inch (101.6×165mm)</p>
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欧洲底脚板 European mounting feet

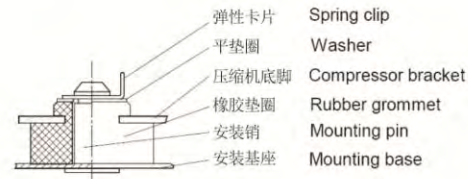


美洲底脚板 American mounting feet



安装方式 Mounting Type

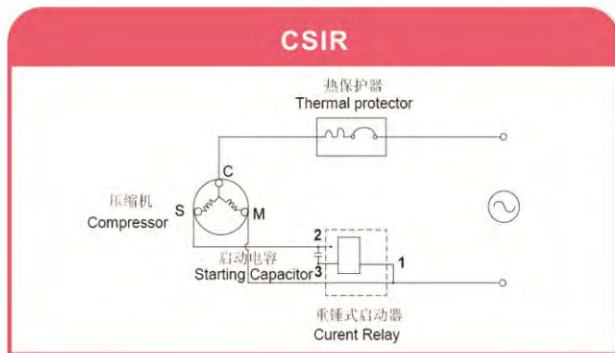
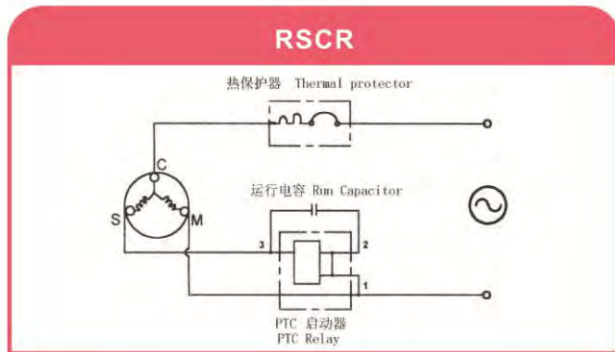
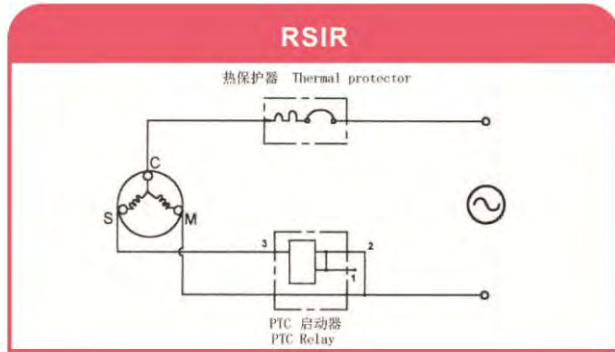
安装方式 1 Mounting Type 1



安装方式 2 Mounting Type 2

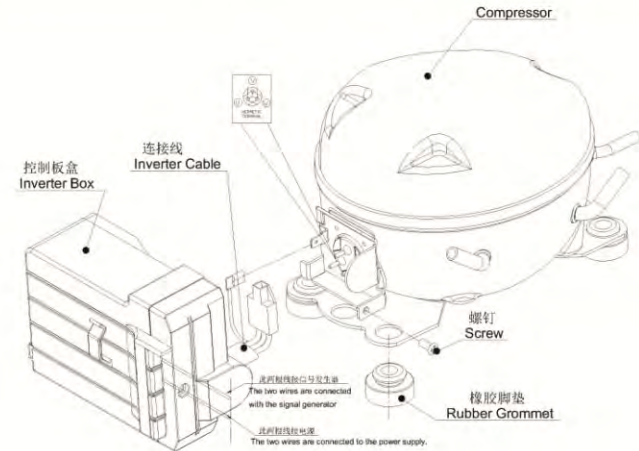


电器接线原理图 Electrical Diagram

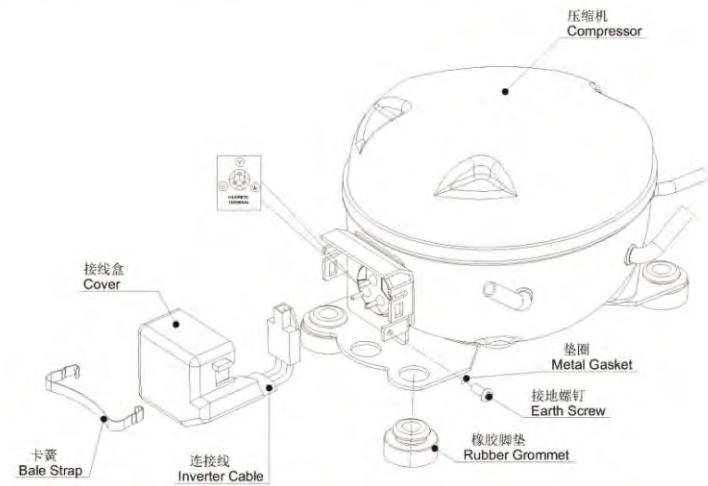


接线示意图 Wiring Diagram

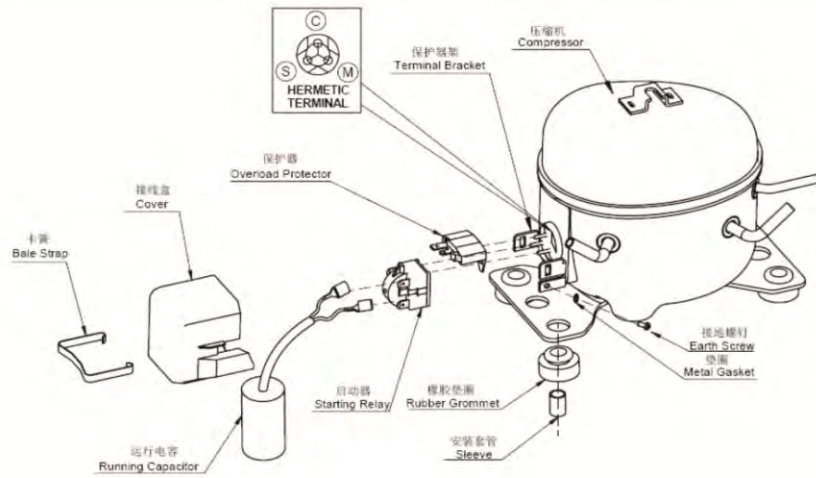
HVD变频压缩机接线图（分体式） HVD variable speed compressor(split type)



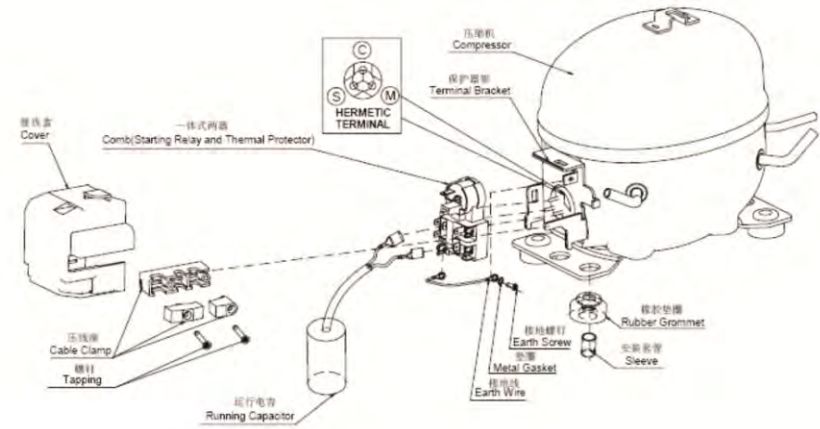
HVD变频压缩机接线图（整体式） HVD variable speed compressor(unitary)



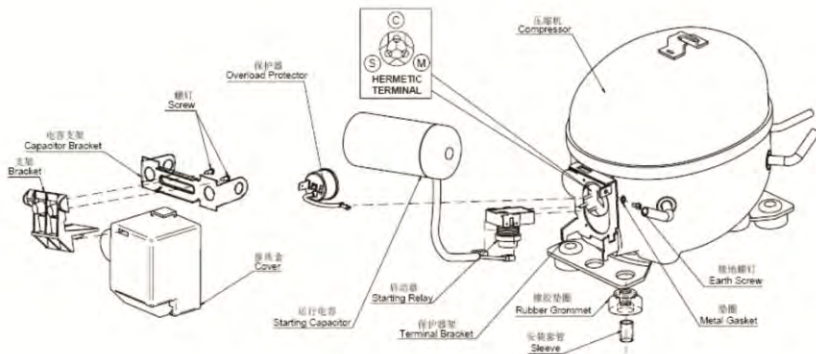
HYB/HYB-J系列R600a两器分体式 HYB/HYB-J range standard type for R600a



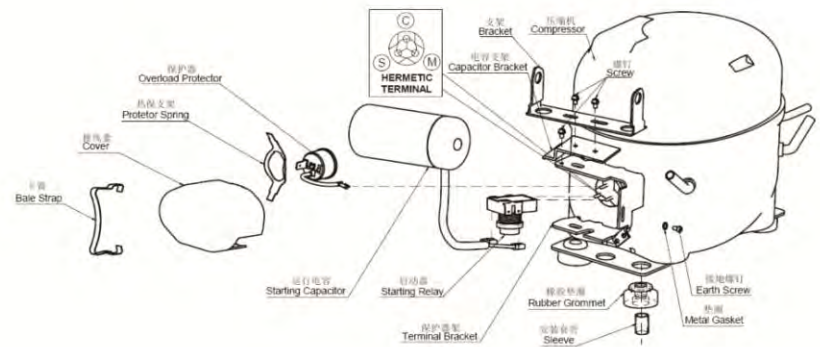
HYE/HY系列两器组合式 HYE/HY range combo type



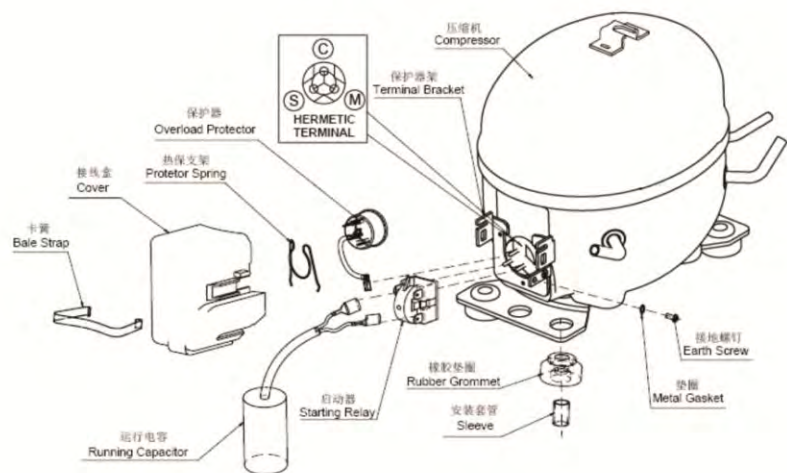
HY-Y系列CSIR、R134a两器分体式 (VDE、UI认证专用)
HY-Y range standard type for CSIR、R134a (for VDE、UI approved only)



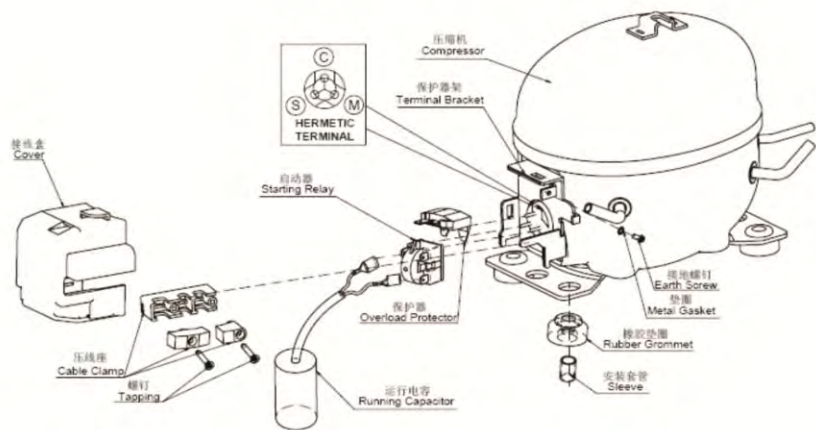
HY-Y系列CSIR、R134a两器分体式 HY-Y range standard type for R134a



HYE/HYS/HY系列R600a两器分体式 HYE/HYS/HY range standard type for R600a



HYE/HY系列R134a两器分体式 HYE/HY range standard type for R134a



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