目录

1. SCOPE 应用范围

This specification is applied to SHANGHAI HITACHI rotary compressor.
此规格适用于上海日立电器有限公司生产的旋转式压缩机。

2. SPECIFICATION OF COMPRESSOR 压缩机规格

2.1 Model 型号	ASD102SW-H6AX
2.2 Rated Voltage-Frequency-Phase 额定电压/频率/相数	G 115～120V/60Hz/单相
2.3 Application 应用	Air Conditioning 空调机
2.4 Refrigerant 制冷剂	R410A
2.5 Compressor Cooling 压缩机冷却	Forced air 强制空冷
2.6 Displacement 排气量	10.2ml/rev
2.7 Rated capacity(see*) 额定冷量（见*）	2980W(2562Kcal/h)
2.8 Motor input(see*) 电机输入功率(见*)	1045W
2.9 COP 能效比	2.85 $COP=\frac{\text{Rated capacity 额定冷量 (W)}}{\text{Motor input 电机输入功率 (W)}}$
2.10 Current 电流	9.6A
2.11 Allowable amount of refrigerant charge 制冷剂充注允许量	900g
2.12 Amount of oil charge 油充注允许量	270±20 ml(Initial) 270±20 ml(最初)
2.13 Oil 油	α68HES-H or equivalent
2.14 Space volume of inner case 壳体内容积	1175ml
2.15 Net weight 净重	10.5kg incl.oil 10.5kg 包括油

2.16 Hermetic Terminal	1/4"quick connect type	
密封接线柱	1/4" 快速连接型	
2.17 Motor		
Type	Permanent Split Capacitor	
Capacitor	50μFD/250Volts	
Locked rotor amps	43A (at 120V)	
Approved voltage range	Rated voltage ±10%	
Winding resistance(M/S)	0.914/2.714Ω(at 75°C)	
电机		
形式	PSC	
电容器	50μF/250WV	
堵转电流	43A(at 120V)	
电压变动范围	额定电压±10%	
电阻(主线圈/副线圈)	0.914/2.714Ω(at 75°C)	
2.18 Rated conditions	Voltage	115 V
	Evaporating temp.	7.2 °C
	Condensing temp.	54.4°C
	Liquid temp. entering expansion valve.	46.1°C
	Return gas temp.	35.0°C
	Ambient temp.	35.0°C
	Wind speed	2m/s
额定工况	电压	115 V
	蒸发温度	7.2°C
	冷凝温度	54.4°C
	膨胀阀前液体温度	46.1°C
	回气温度	35.0°C
	周围温度	35.0°C
	通风	2m/s

2.19 Starting performance

(1) The starting voltage should be as follows.

(2) The starting pressure should be balanced between the suction and discharge of the compressor and should be adjusted to the following table.

(3) The temperatures of the compressor encl-osure should be more than 20°Ccontinuously at the following table.

起动性能

(1) 起动电压如表1所示。

(2) 起动压力必须在吸气压力及排气压力之间进行平衡，并按下表予以调节。

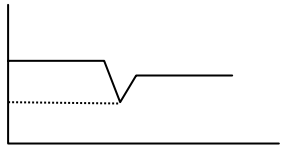
(3) 在起动工况下，压缩机环境温度要保持在20°C以上。

TABLE 1 表1

Starting Conditions 起动工况		Spec 规格
Motor temperature 电机状态	Pressure 平衡压力 MPa{kgf/cm²G}	Starting voltage 起动电压 (V_2)**
Cold-Starting 冷起动 Cold state (room temperature) 冷工况(室温)	1.703{16.36}	Below 85% of rated voltage 不高于额定电压的85%
Hot-Starting(Standard) 热起动(标准) Hot state after operated under standard load condition 在标准负载下运行后的工况	1.703{16.36}	Below 85% of rated voltage 不高于额定电压的85%
Hot-starting(Overload) 热起动(超负荷) Hot state after operated under overload condition 在超负载条件下运行后的工况	1.860{17.96}	Below 90% of rated voltage 不高于额定电压的90%

*. Rated capacity and motor input are measured by secondary Refrigerant calorimeter Methods of JIS B8606 by Shanghai Hitachi Electrical Appliances Co., Ltd. Allowable capacity should be more than 95% of the rated capacity and Allowable motor input should be less than 107% of rated motor input.
额定冷量和电机输入功率由本公司根据 JIS B8606 的第二制冷剂法测试。允许冷量应为额定冷量的95%以上，允许电机输入功率应为额定电机输入功率的107%以下。

**. V_2 means minimum voltage measured between pins of hermetic terminal at the compressor starts.
V_2 是指压缩机起动时所测密封接线柱端子间的最小电压。



***. The suction pressure is measured on the position above the filter of accumulator.
吸入压力测定位置在储液器滤网上面。

3. PARTS AND DRAWING LIST 零件及图纸清单

PARTS NAME 零件名称		QTY/SET 数量/套	DRAWING NO. 图纸号	REMARKS 备注
Compressor 压缩机		1	4CYCD0021	Dimensioned sketch 尺寸简图
Mounting parts 安装件	Mount assy 安装脚示意图	-	SC01DA55	
	Rubber grommet 橡胶避振脚	3	SC01DA68	
Electrical parts 电器部件	OLP protector 过载保护器	1	SC01DA21H02	JUX-045F BF1700-KB(华旃) or B340-160-141E(通宝)
	OLP spring 过载保护器弹簧	1	SC01DA45	
	Terminal cover 接线盒盖	1	SC01DA53	
	Gasket 接线盒盖垫片	1	SC01DA54	
	Nut 凸缘螺母	1	SC01D430	
	Rubber washer 橡胶垫圈	1	SC01DA63	
	Running Capacitor 运转电容	-	SC01D380H09	50 μF/250WV
			4CYC00977	Wiring Diagram 接线图

* Out of supply, for reference. 不提供，仅供参考。

4. CHARACTERISTICS 一般特性

4.1 Residual moisture 150mg MAX
残余水分含量 以下

4.2 Residual impurities 100mg MAX
杂质含量 以下

1. SYSTEM DESIGN LIMITATIONS 系统设计限制

1.1 Power source and Voltage 电源及电压

Voltage applied to hermetic terminal should be within the range mentioned in this specification.

In the case of three phase, the phase imbalance should be within 3% among the compressor terminals. The phase imbalance should be calculated according to the follow formula.

密封接线柱的电压应在规格规定的范围内。

如为三相，压缩机终端间的相位不平衡率应在3%以内。相位不平衡率按下式计算：

$$\text{the phase imbalance} = \frac{(V)\text{max} - (V)\text{mean}}{(V)\text{mean}} \times 100\%$$

(V)max:Maximum voltage among the three terminals.(V)最大：三终端中最大电压。

(V)mean:average voltage among the three terminals.(V) 平均：三终端平均电压。

1.2 Operating Temperatures and Pressures 运行温度及压力

The operating temperatures and pressures of the compressor should be within The range shown in the table 2.

压缩机运行温度及压力应与表2中所示规定相符。

1.3 Operating and Shut-off Period 运行及间隔时间

The compressor should be operated continuously at least for 5 minutes after Being turned ON.3 minutes shut-off time should be ensured at least until restarting.

压缩机通电后，至少要连续运行5分钟，关机后至少停3分钟才可再次起动。

1.4 Leak Test Pressure 4.32MPa[abs]

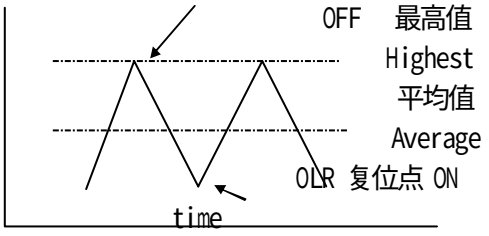
空压试验压力4.32MPa[abs]

1.5 Oil Back and height of the oil level 回油以及油面高度

Oil should be returned continuously to the compressor and not kept in the refrigeration system.

Oil level of compressor should be higher than 10 mm from the lubricating piece fixed on the end of the crankshaft.

Table 2 表2

Item 项目	Standard load condition 标准条件	*Overload Condition *过负荷条件	Blocked fan condition 风扇堵转时
Discharge pressure 排气压力 MPa{kgf/cm²G}	3.376{33.4} 以下 MAX	4.268{42.5}以下 MAX	5.0{50.0}以下 MAX
Suction Pressure 吸气压力 MPa{kgf/cm²G}	0.64~1.22 {5.5~11.4}以下 MAX	0.64~1.22 {5.5~11.4}以下 MAX	
Discharge pipe temperature 排气管温度	**110°C 以下 MAX		
Compressor case bottom temp 壳体底部温度	99°C or below and 6 degrees higher than condensing temperature 99°C或更低并比冷凝温度高 6°C		
Motor winding temp. 电机线圈温度	Rated voltage: 额定电压时： 99°C 以下 MAX	R.Voltage±7.5%: 额定电压±7.5%时 127°C以下 MAX	
	R.Voltage±10%: 额定电压±10%时 127°C以下 MAX		
Motor winding temp. under locked-rotor condition 堵转时电机线圈温度	under stable condition: 稳定条件时： Average 165°C以下 MAX Highest 190°C以下 MAX 温度 Temp  		
Accumulator temp 储液器温度	Higher than outlet pipe of evaporator 比蒸发器出口高		
Ambient temp. 环境温度	35°C	43°C	

Notes: * Overload condition should not be continuous.

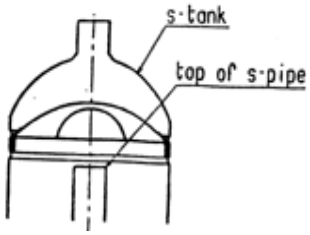
** Discharge pipe temperature should be less than 110°C at 300mm away from compressor surface. The end of thermocouple should be soldered on the discharge pipe surface , and the soldered place is covered by urethane foam insulation preventing the influence of air flow, when you measure the discharge pipe temperature.

备注： * 过负荷条件应是不连续的。

** 排气管温度在离开压缩机表面 300mm 的位置测量。另外，对排气管温度，应用钎焊固定热电偶的前端部分，为了进一步防止吹风的影响，对钎焊部位用氨基甲酸乙脂泡沫罩着进行测量。

Compressor must not be started operated under a dual-layer separate status.
However, in case of foaming situation, the height of this foam does not mean the height of the oil level.
If you do not keep the oil level, the oil shortage will occur, and influence the reliability of compressor.
(Please check the oil level in the compressor with the sight glass we supply.)
冷冻机油应持续性地向压缩机返回，而不能停留在制冷系统内。
压缩机内的油面高度应高于供油口 10㎜ 以上。压缩机运转中，不可让油和冷媒两层分离。
但是，当产生泡沫状态，液体变泡沫时，这部分不属于油面高度。
假如不能满足油面高度，将造成滑动部分的供油不足，严重影响可靠性。
(可用观察油面用的带视镜压缩机进行确认)

1.6 Liquid Refrigerant Return Limitations 液体制冷剂回流的限制



Liquid refrigerant level in s-tank should be lower than the top of s-pipe in s-tank.(see chart at right)
储液器内的液面应比储液器内 S 管的前端位置低。（参照右图）
There should not exist noise of the liquid refrigerant compression, current and vibrancy increase. System can append the assistant stank or reduce the amount of refrigerant to prevent from liquid refrigerant compression. Refrigerant system forbid liquid refrigerant from flowing back compressor in any case. In normal condition the overheat gas refrigerant should flow back compressor.
无液压缩音、电流增加、振动增加等情况发生。为了防止液压缩，可以追加辅助储液器或减少冷媒封入量。无论在任何条件下，制冷系统都不应有液体向压缩机回流。在正常运转条件下，应有过热气体向压缩机回流。

1.7 Allowable Incline 倾斜

The allowable incline should be less than 5° during operation.
运行中可允许的倾斜为小于5°。

1.8 Pipe Vibration 管道振动

The displacement of the pipes, which connect from the compressor to other parts of the refrigerator systems, should be less than 0.8㎜(1/32”)when the compressor is operating at rated frequency +10Hz/ -10Hz and voltage range of rated ±10%.
Displacement in excess of 0.8㎜(1/32”) will require changing tube length and/or routing.
如压缩机在额定频率 ±10Hz 及额定电压的 ±10%的范围内运行，连接压缩机及制冷系统部件的管道的位移应小于 0.8㎜(1/32”)。
如上述位移超过 0.8㎜，则应改变管子的长度或者路径。

1.9 Connecting Tube Design 连接管设计

In designing and routing tubing that connect from the compressor to the Other parts of the air conditioner, following should be considered.

Moving tubes to the moving parts; minimum clearance 12.7mm(1/2")

Moving tubes to non-moving parts; minimum clearance 9.5mm(3/8")

Moving tubes never touch to lead wire.

在设计及考虑连接压缩机及空调机其它部件的管子路径时，应考虑以下各因素：

移动管道至移动部件：最小间隙12.7mm(1/2")

移动管道至非移动部件：最小间隙9.5mm(3/8")

移动管道不得与引线接触。

2. PROCESS LIMITATIONS 工艺限制

2.1 The degree of vacuum in the refrigerating system should be less than 133Pa {998×10^{-3}mmHg}at room temperature just before charging refrigerant.

The quantity of water should be less than 0.2ml.

充注制冷剂前，在室温下，制冷系统的真空度应小于133Pa(998×10^{-3}mmHg)。

含水量应小于0.2ml。

2.2 Prevent moisture from entering into the enclosed unit system . When the moisture entered into the unit with refrigerant R410A , the refrigerant oil and the organic compound material presented in the hermetic motor will possibly decompose on the affecting of water . It will result in the capillary depositing and the reducing of insulation resistance.

应避免水分进入系统。当使用R410A冷媒的系统里混入过多的水分时，冷冻机油和压缩机电机中使用的有机材料将发生加水分解，从而成为毛细管堵塞、压缩机绝缘不良的原因。

It is necessary to install a dryer to dehumidify the residual moisture mixed in the refrigerant in the cycling system . The specially defined molecular-sieve dryer is advised.

为了除去残存在系统中并与冷媒一起循环的水分，有必要追加除去系统中水分用的干燥器。请使用指定的分子筛干燥器。

2.3 The weight of foreign particles on the inside surface of the heat exchanger tubes should be less than 0.01g/m^2.

Metallic dust should not be permitted to enter the refrigerating system.

This value means the weight of foreign particles filtered after washing inside surface of the heat exchanger tubes with R-11.

附着在热交换器管道内表面的外来含尘量应小于0.01g/m^2，金属灰尘不得进入制冷系统。

上述数值是指用R-11清洗热交换器管道内表面的液体过滤后的含尘量。

Prevent the impurities from entering into the enclosed unit system . When the impurities entered into the enclosed system , it will damage the moving mechanism parts and result in the capillary depositing.

应避免垃圾等进入系统。当使用R410A冷媒的系统里混入较多的垃圾等杂质时，将成为促使压缩机的滑动部件发生损伤和毛细管堵塞的原因。

2.4 Eliminate all system contaminants such as trichlorethylene, alkalies,soap ,acid , oil & washing fluid used at machining the heat exchanger tubes.

清洗所有在加工热交换器管道时残留的污物如三氯乙烯、酸、碱、肥皂液、油和清洗液等。

2.5 The quantity and kind of contamination (the process materials) in the cycle should be grasped and managed. Carry on reliability test that input contamination a lot than anticipated contamination quantity.

在制冷循环中，必须掌握和控制污垢物(生产辅助材料)以及垃圾的量。问题发生时，应对产生原因的污垢物的种类和量进行特别指定，换成不会产生问题的种类和量。

2.6 Purge parts with dry nitrogen or dry air to remove remains in parts (dust, detergent, etc.)before assembly of system. Time for purging：over one second for pipe；over three seconds for heat exchanger. Purging pressure: 0.9±0.1MpaG.Dew point of dry air：Below-20°C.

为把部品内的残留物（灰尘，清洗剂等）除去，在组装系统的部品前，要用干燥氮气或干燥空气吹净部品。吹的时间：管件要在1秒以上，热交换器要在3秒以上。

吹气压力：0.9±0.1MpaG，干燥空气露点：-20°C以下。

Dry nitrogen should be charged in compressor before assembly of system. Welding should be finished within one minute after charge of nitrogen.Dry nitrogen needs to be charged again and weld if over one minute. Always pruge the compressor with dry nitrogen during assembly of system.

在系统组装时，先往压缩机里充入干燥氮气。充入氮气后，在1分钟内完成焊接。如果超过1分钟，须再次充入干燥氮气焊接。在系统装配时要经常用干燥氮气吹净压缩机。

2.7 The motor winding temperatures should be less than 149°C in process of manufacturing the refrigerating system. The temperature of the hermetic terminal body should be less than 177°C.

在制造制冷系统时，电机绕线的温度应小于149°C，密封接线柱体温度小于177°C。

2.8 The compressor should be operated for more than 20 seconds within 15 minutes after charging refrigerant Into the system so proper lubrication results.

在充注制冷剂之后的15分钟内，压缩机必须运转20秒以上，以保证适当的润滑。

3. MISCELLANY 其它

3.1 The pipe and hermetic pins attached to the compressor should not be bent.
与压缩机连接的管道及密封接线柱销子不得弯曲。

3.2 The compressor should never be operated while under vacuum；otherwise, internal arcing can cause damaging parts.
压缩机不得在真空情况下运行，否则内部的弧形电流将损坏内部零件。

3.3 The compressor should not be operated to form a vacuum and to absorb air.
压缩机不得自身抽真空及空运转。

3.4 The compressor should not be left opened in the atmosphere for more than 5 minutes.
压缩机不得在空气中持续打开5分钟以上。
When the air entered into the unit system with refrigerant R410A , it will expedite the deterioration Of the oil and result in the capillary depositing and the reducing of insulation resistance.
应避免空气进入系统。当使用R410A冷媒的系统里混入过多的空气时，将促使冷冻机油分解和劣化，从而成为毛细管堵塞和压缩机绝缘不良的原因。

3.5 The electric pulse should not be applied to the hermetic terminals when the compressor is under vacuum.
当压缩机处于真空状态下，不应向密封接线柱上加电脉冲。

3.6 The compressor should be kept in the clean place with low-moisture.
压缩机应保存在清洁、低湿处。

3.7 The compressor must not be applied for transportation equipment, such as automobiles, trains, ships, and others.
压缩机不应直接用于汽车、火车、轮船及其它运输工具上。

3.8 The compressor should not be splashed with water intentionally.
不得有水溅入压缩机。

3.9 Use the refrigerant of specified brand . When the refrigerant not specified used , it will possibly cause trouble of the performance and reliability of the compressor by the impurities in the refrigerant.
请使用指定的冷媒。当使用指定以外的冷媒时，会因不纯物较多而影响压缩机的性能和可靠性的情况。

3.10 Refrigerant should be charged from the end of condenser of refrigerating systems. Never charge refrigerant to the compressor directly.
制冷剂应从制冷系统冷凝器的尾端注入，而不能直接注入压缩机。

The refrigerant should always be charged in liquid state.When the refrigerant is charged in gas state, The percent component will possibly be changed. Do not recharge with the remaining refrigerant in the System when leakage happened. Because the percent component of the refrigerant in the unit system had Possibly been changed.
冷媒应在液体状态下进行充填。在气体状态进行充填时冷媒的组分将发生变化。在发生冷媒泄露时请不要追加充填。因为组分有可能发生变化。

3.11 Temperature s within systems during stable compressor operation should not be less than -35°C to prevent wax precipitation from the oil.
循环系统内的温度必须保证在-35°C以上，以免造成冷冻机油形成的蜡成分沉淀。

3.12 Compressor mounting 压缩机防振构造
Rubber grommets are designed soft to provide the noise isolation and To lessen vibration energy Transmission.
Stud bolt should be designed to provide sufficient clearance for noise and vibration isolation and to Prevent compressor from coming off its mount.
橡胶避振脚是采用防止由于噪音引起的振动及振动能量吸收原理设计的。
所设计的固定杆应提供足够的间隙用于噪音及振动隔离，并且防止压缩机从避振脚上滑落。

3.13 The compressor ,if dropped, should not be used.
不可使用跌落的压缩机。

3.14 The first starting voltage supplied to the refrigerating system should be more than the starting voltage mentioned TABLE 1(page 3).
制冷系统的首次起动电压应高于表 1(第 3 页) 中的起动电压。
因为油的粘度可能太高而不能使制冷剂在初起动时溶解在冷冻机油里。

3.15 The trouble of refrigeration system components such as the reversing valve, solenoid valve, defrost mechanism, refrigerant control parts, fan motor, etc. may cause failure of the compressor. Reliability of those components should be checked.
A design that insures no leakage during manufacturing and usage should be applied.
制冷循环系统中使用的四通阀、电磁阀、除霜结构、冷媒控制器、风扇电机等的故障将造成压缩机的事故。因此，必须确保这些部件的可靠性。
另外，应采用冷媒气体泄漏少的设计、制作以及使用方法。

3.16 The compressor should be kept out of the corrosive atmosphere such as in a chemicals storage, beside a hot spring and so on.
压缩机不得保存在腐蚀性的空气中如化学仓库、温泉旁边。

3.17 The lead wires should be connected to hermetic terminals without being touched on the surface of the compressor.
引线连接至密封接线柱时，不得与压缩机表面相接触。

3.18 The fuse or/and breaker should be equipped in the main circuit.
保险丝、断路器应配备在主电路中。

3.19 There should be adequate clearance between the OD23-under-surface of Push-Nut and the upper surface of rubber grommets.
在卡圈下表面与橡胶避振脚的上表面之间应保留足够的间隙。

3.20 To avoid water and impurity into the refrigeration system and make sure no leakage of refrigerant during the operating course. It's required to direct the erector and maintenance man of air-conditioner.
对于实施空调安装、维修等作业的服务人员，要求对其进行指导和教育，在相关作业时，必须确保冷冻系统中不能进入水分、异物，必须确认无冷媒泄漏事项。

1. Basis for Checking upon Delivery 验收依据

The Performance test will be carried out in accordance with this “compressor Specification”.

The Safety Performance in accordance with GB4706.1 Safety of household and Similar electrical appliances General requirements and GB 4706.17 Safety Of household and similar electrical appliances Particular requirements for Motor-compressor.

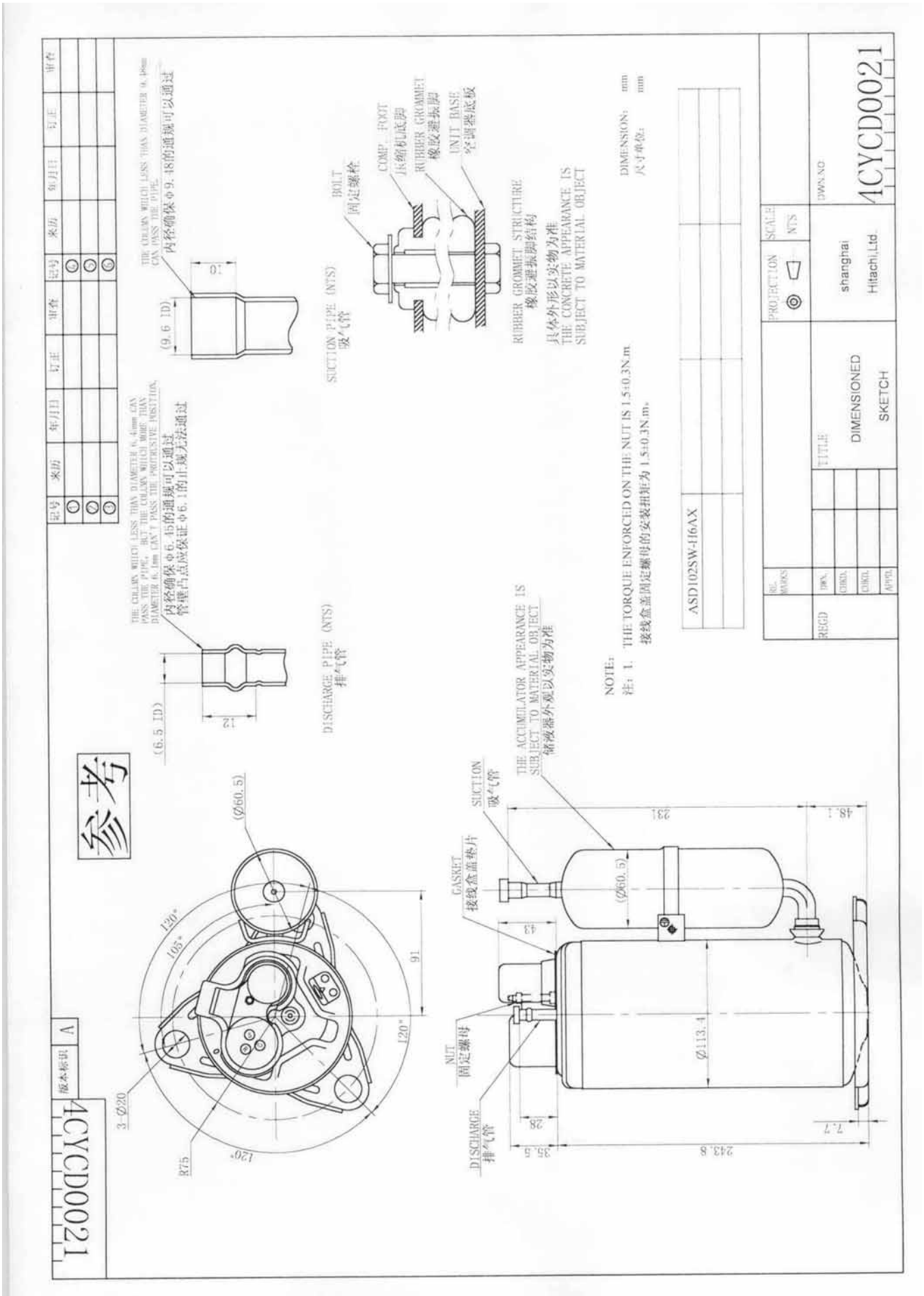
性能试验方法按本仕样书中有关内容执行。

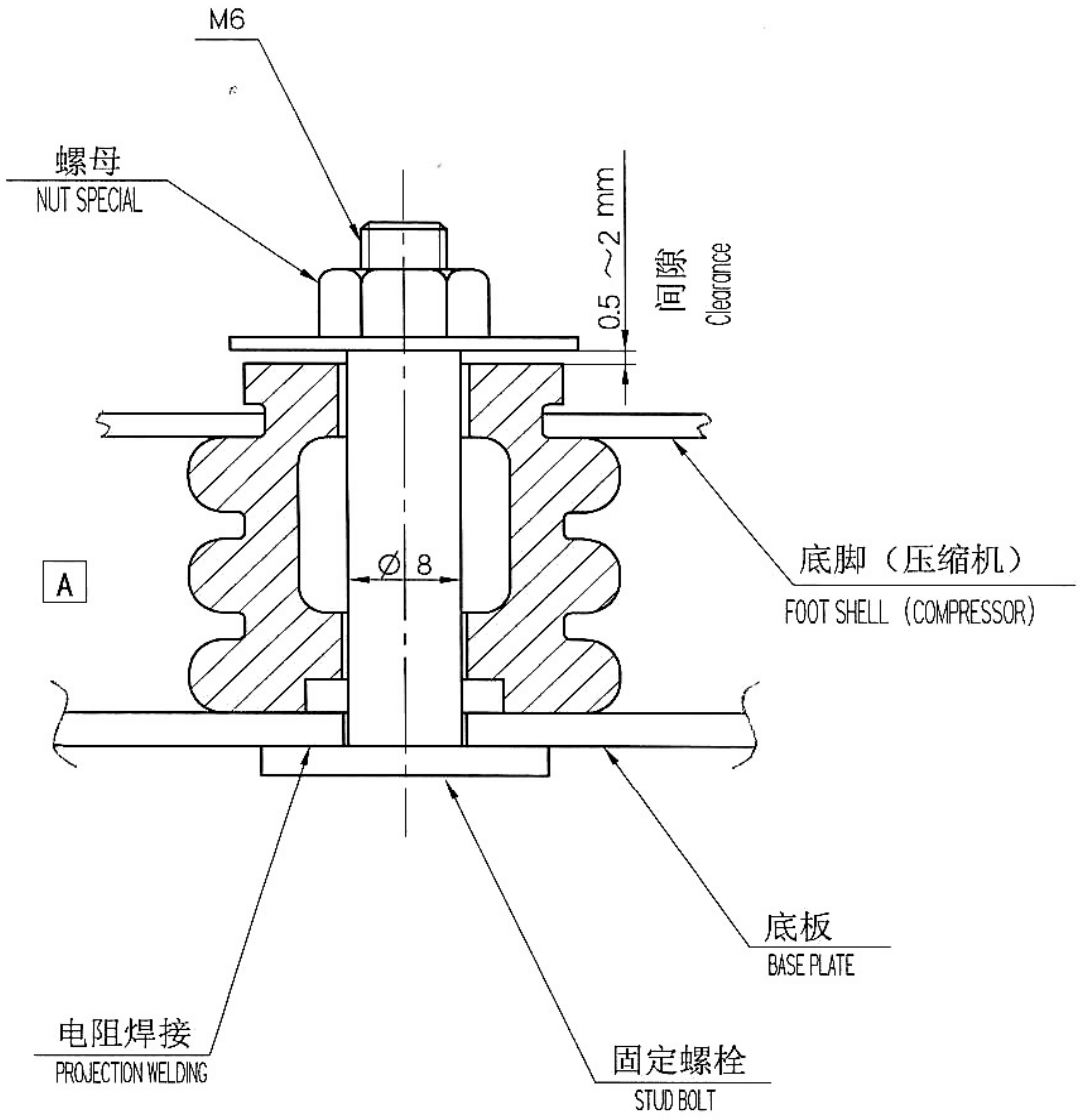
安全性能按GB4706.1 家用和类似用途电器的安全通用要求及 GB4706.17 家用和类似用途电器的安全电动机--压缩机的特殊要求。

2. Rule for Checking upon Delivery 验收规则

If come across any quality problem, please notify the company in written form Within 30 days after the arrival of the cargo, the company shall exchange Exactly the number of the products, otherwise they shall be regarded as being Up to standard.

若发现质量问题，请在到货后30 天内向本公司提出书面通知，经确认确属本公司责任，本公司将如数掉换，否则将作自然合格。


4CYCD0021
版本标识 A
参考
记号 来历 年/月日 订正 审查 记号 来历 年/月日 订正 审查
THE COLUMN WHICH LESS THAN DIAMETER Φ6.4mm CAN PASS THE PIPE, BUT THE COLUMN WHICH MORE THAN DIAMETER Φ6.1mm CAN'T PASS THE PROTRUSIVE POSITION.
内径确保Φ6.4的通规可以通过
管壁凸点应保证Φ6.1的止规无法通过
THE COLUMN WHICH LESS THAN DIAMETER Φ9.48mm CAN PASS THE PIPE
内径确保Φ9.48的通规可以通过
(6.5 ID)
12
DISCHARGE PIPE (NTS)
排气管
(9.6 ID)
10
SUCTION PIPE (NTS)
吸气管
BOLT
固定螺栓
COMP. FOOT
压缩机底脚
RUBBER GROMMET
橡胶避振脚
UNIT BASE
空调器底板
RUBBER GROMMET STRUCTURE
橡胶避振脚结构
具体外形以实物为准
THE CONCRETE APPEARANCE IS SUBJECT TO MATERIAL OBJECT
NOTE:
注：1. THE TORQUE ENFORCED ON THE NUT IS 1.5±0.3N.m
接线盒盖固定螺母的安装扭矩为 1.5±0.3N.m。
ASD102SW-H6AX
DIMENSION: mm
尺寸单位: mm
3-Ø20
R75
120°
105°
120°
120°
(Ø60.5)
91
THE ACCUMULATOR APPEARANCE IS SUBJECT TO MATERIAL OBJECT
储液器外观以实物为准
SUCTION
吸气管
GASKET
接线盒盖垫片
NUT
固定螺母
DISCHARGE
排气管
231
48.1
43
(Ø60.5)
Ø113.4
28
35.5
243.8
7.7
REGD
DWN.
CHKD.
CHKD.
APPD.
TITLE
DIMENSIONED SKETCH
PROJECTION
SCALE NTS
shanghai Hitachi,Ltd.
DWG NO
4CYCD0021



更改栏 CHANGE	
A	(0-1)处原有（24.5）尺寸 TD/003-058-2002 施梅 02-7-17

	上海森林电器有限公司 SHANGHAI SENLIN ELECTRICAL APPLIANCE CO., LTD			
DIM IN mm	制作日期 DATE	2002-1-22	审核 APPROVED	安装脚示意图 MOUNT ASSY
比例 SCALE	制作 DRAWN	施 梅	陈剑洲 王幼寅	
2：1 —NTS—	校对 CHECKED	龚大清		SC01DA55 1/1
	设计 DESIGN	施 梅	会签	

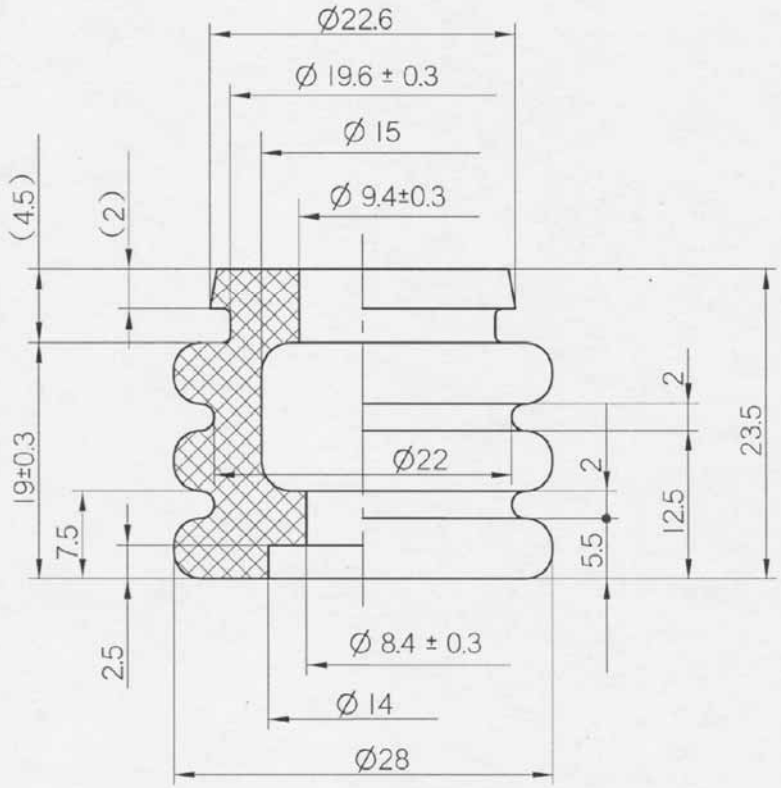
注 1. 材料：三元乙丙橡胶或天然橡胶

2. 硬度：三元乙丙橡胶：Hs40±3
天然橡胶：Hs45±3

NOTES

1. MATERIAL：EPTR(ETHYLENE PROPYLIENE TRIPOLYMER RUBBER) OR NR(NATUTAL RUMMER)

2. HARDNESS：EPTR：Hs40±3
NR：Hs45±3



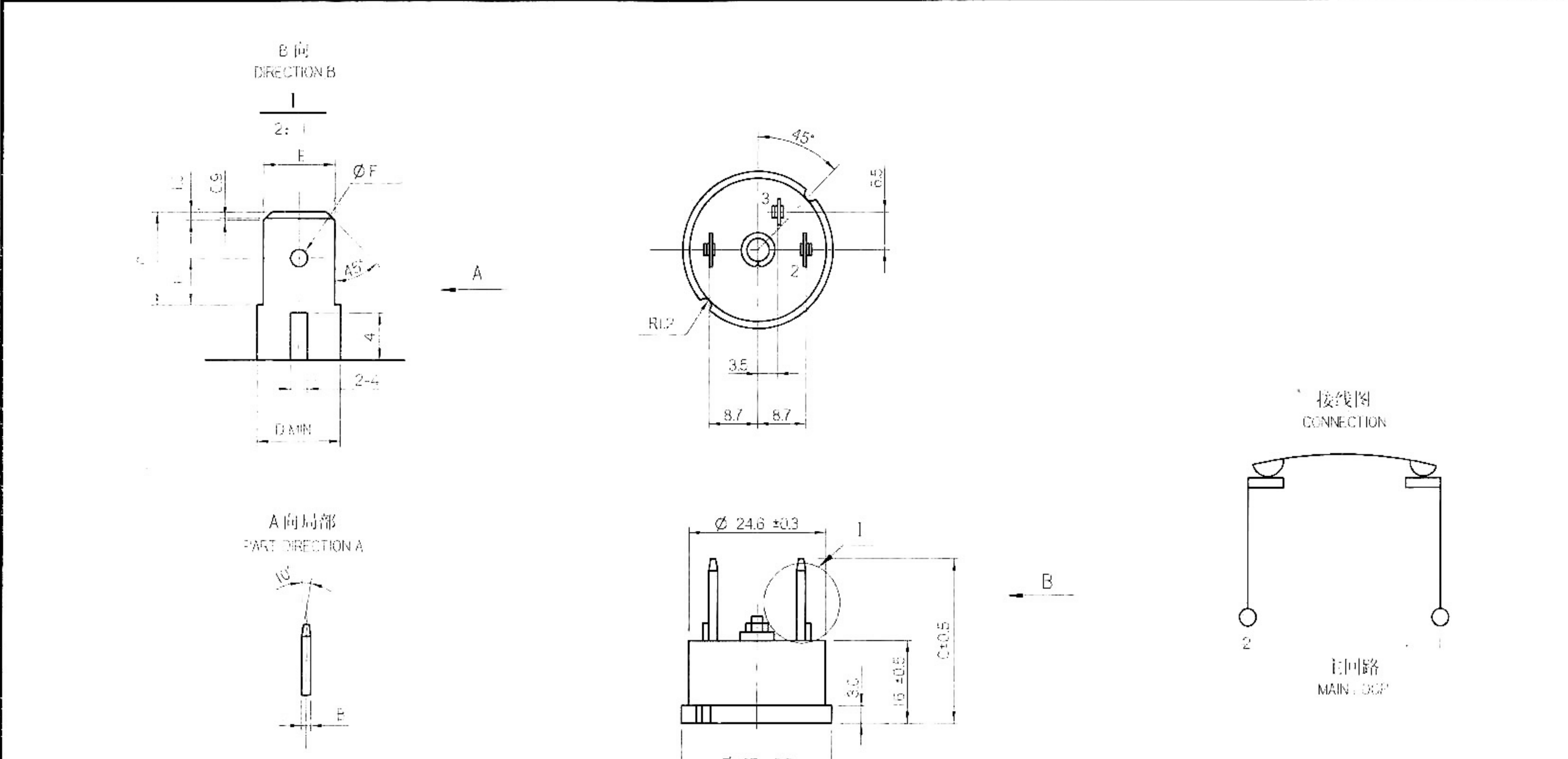
更改栏 CHANGE		
A	增加天然橡胶材料及其硬度要求	08.01.23

上海森林电器有限公司
SHANGHAI SENLIN ELECTRICAL APPLIANCE CO., LTD

DIM. IN mm	制作日期 DATE	2008-01-23	审核 APPROVED
比例 SCALE	制作 DRAWN		
2：1 ~~NTS~~	校对 CHECKED		
	设计 DESIGN		会签

橡胶避振脚
RUBBER MOUNT

SC01DA68 1/1



AMP250# 系列 AMP250# SERIES	3.4±0.1	7.95	1.65 $^{+0.2}_{0}$	6.35	7.3	28	0.8 $^{+0.06}_{-0.025}$	H01 H03
备注 REMARKS	H	G	F	E	D	C	B	副号 ITEM

更改栏 CHANGE	
7	换版 金奂 03-6-20
B	增加"H02"规格 TD/003-086-2003 金奂 03-6-20

上海森林电器有限公司
SHANGHAI SENLIN ELECTRICAL APPLIANCE CO., LTD

DIM. IN mm	制作日期 DATE	2002-1-8	审核 APPROVED	
比例 SCALE	制作 DRAWN	金 奂	陈剑洲	王幼寅
1:1 NTS	校对 CHECKED	龚大清		
	设计 DESIGN	金 奂	会签	

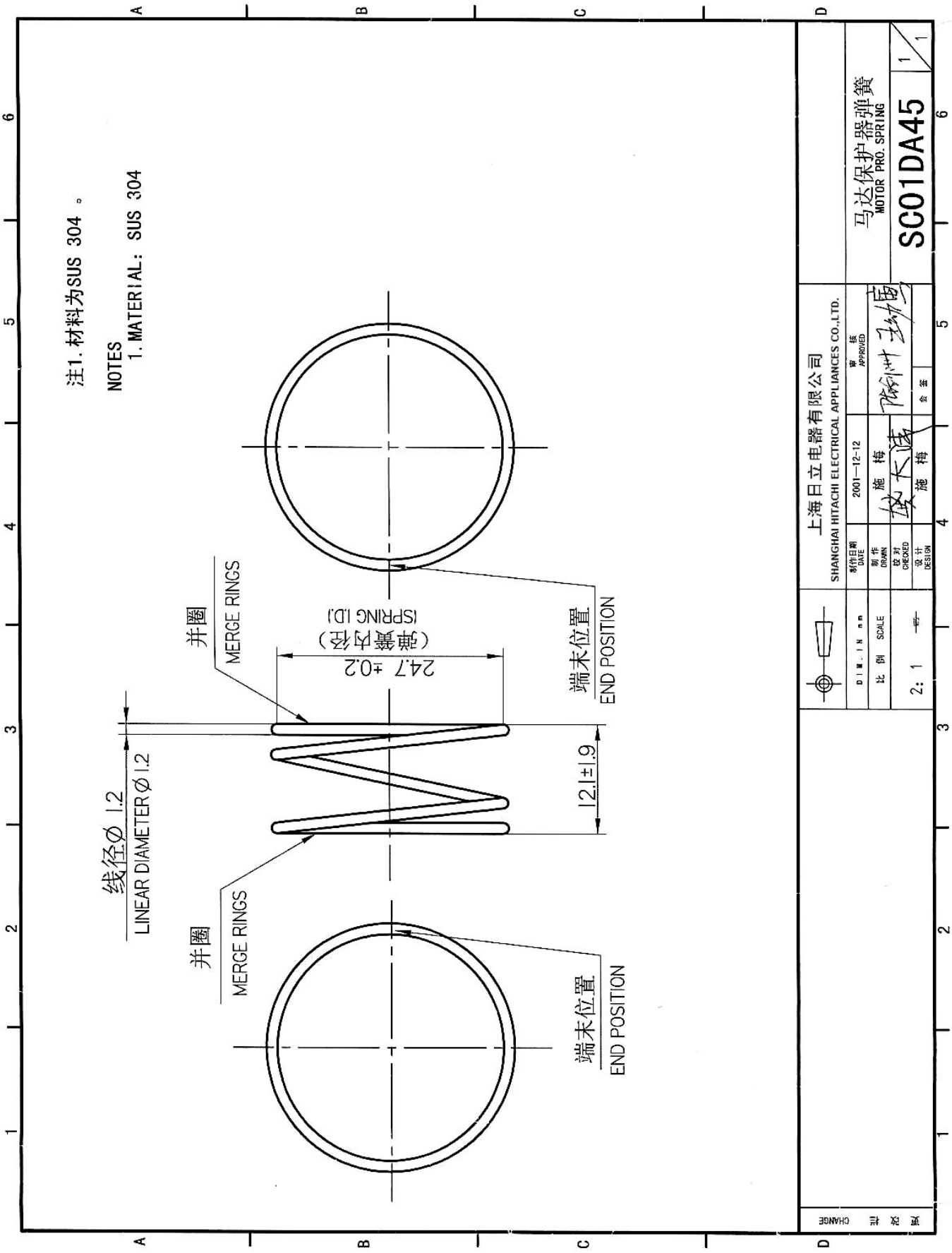
马达保护器
MOTOR PRO.

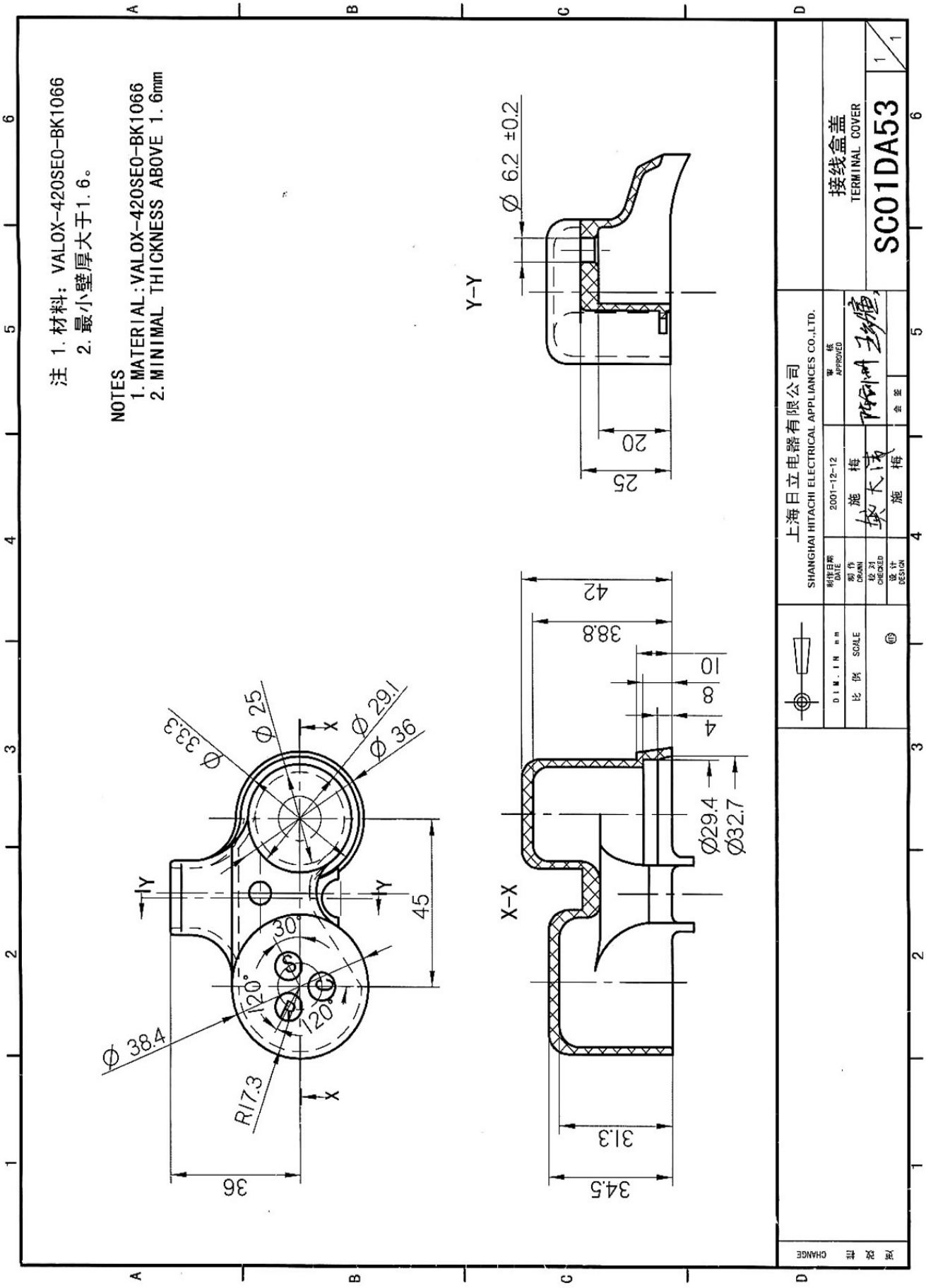
SC01DA31

1
2

零件号 ITEM	型　号 TYPE	最小动作电流 U.T.C	动作时间 TRIPPING TIME	双金属片动作温度 BIMETAL TRIPPING TEMP.		备注 REMARKS
				OPEN	CLOSE	
H01	BF1500-KB	10.5～15（100°C）	5～15sec（28A，25°C）	160±10°C	70±10°C	
H02	BF1700-KB	12.8～17（100°C）	5～15sec（34A，25°C）	160±10°C	70±10°C	
H03	BF1200-JB	9～12　（100°C）	5～15sec（26.5A，25°C）	150±10°C	70±10°C	

更改栏 CHANGE					
		上海森林电器有限公司 SHANGHAI SENLIN ELECTRICAL APPLIANCE CO., LTD			
	DIM IN mm	制作日期 DATE	2002-1-8	审核 APPROVED	马达保护器 MOTOR PRO.
	比例 SCALE	制作 DRAWN	金　奕		
		校对 CHECKED			SC01DA31
		设计 DESIGN	金　奕	会签	2 / 2


注1. 材料为SUS 304 。
NOTES
1. MATERIAL: SUS 304
线径Ø 1.2
LINEAR DIAMETER Ø 1.2
并圈
MERGE RINGS
24.7 ±0.2
(弹簧内径)
(SPRING I.D.)
端末位置
END POSITION
12.1±1.9
并圈
MERGE RINGS
端末位置
END POSITION
上海日立电器有限公司
SHANGHAI HITACHI ELECTRICAL APPLIANCES CO.,LTD.
制作日期 DATE 2001—12-12
制 作 DRAWN 施 梅
校 对 CHECKED 施 梅
设 计 DESIGN
审 核 APPROVED
会 签
DIM. IN mm
比 例 SCALE 2: 1
马达保护器弹簧
MOTOR PRO. SPRING
SC01DA45
1/1
CHANGE


注 1. 材料：VALOX-420SEO-BK1066
2. 最小壁厚大于1.6。
NOTES
1. MATERIAL: VALOX-420SEO-BK1066
2. MINIMAL THICKNESS ABOVE 1.6mm
Y-Y
Ø 6.2 ±0.2
20
25
X-X
42
38.8
10
8
4
Ø29.4
Ø32.7
31.3
34.5
Ø 25
Ø 29.1
Ø 36
Ø 33.3
Ø 38.4
R17.3
30°
120°
120°
45
36
上海日立电器有限公司
SHANGHAI HITACHI ELECTRICAL APPLIANCES CO.,LTD.
接线盒盖
TERMINAL COVER
SC01DA53
制作日期 DATE 2001-12-12
制 作 DRAWN 施 梅
校 对 CHECKED
设 计 DESIGN 施 梅
审 核 APPROVED
会 签
比 例 SCALE
DIM. IN mm
CHANGE

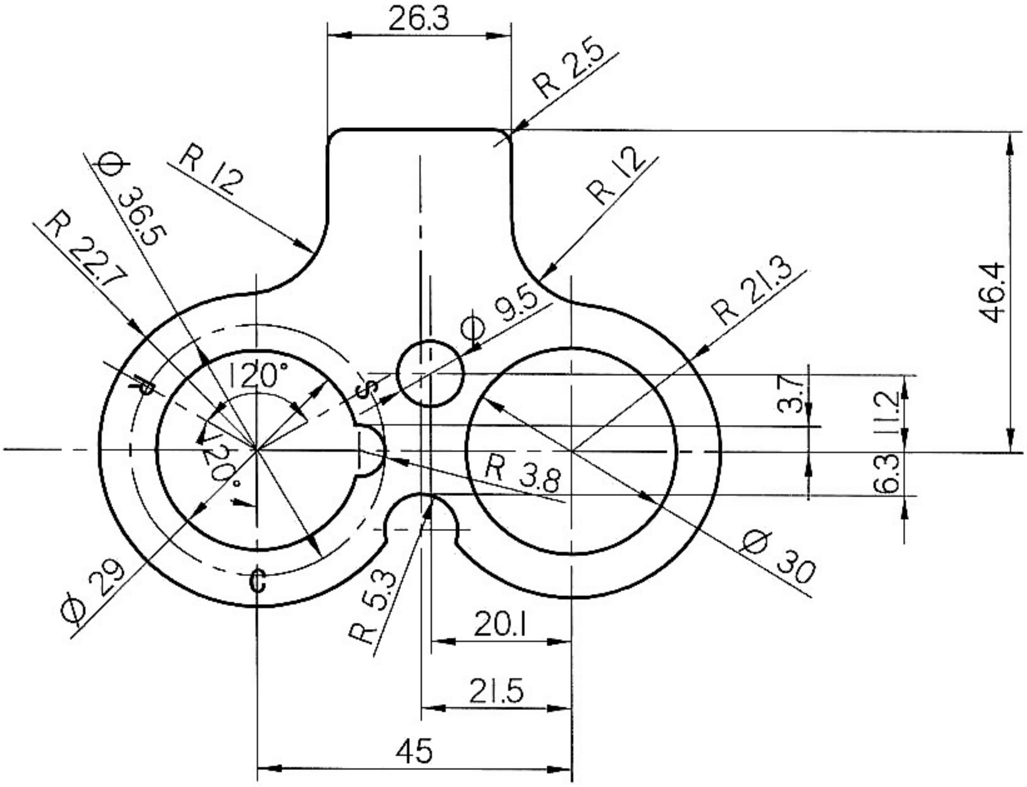
NOTES

1. MATERIAL: EPTR (ETHYLENE PROPYLENE TRIPOLYMER RUBBER)

2. THICKNESS: 1.5mm

注 1. 材料：三元乙丙橡胶

2. 厚度：1.5mm



更改栏 CHANGE

上海日立电器有限公司 SHANGHAI HITACHI ELECTRICAL APPLIANCES CO.,LTD.				
DIM. IN mm	制作日期 DATE	2001-12-12	审核 APPROVED	密封垫 PACKING
比例 SCALE	制作 DRAWN	施梅		
1:1	校对 CHECKED			SC01DA54
	设计 DESIGN	施梅	会签	1/1

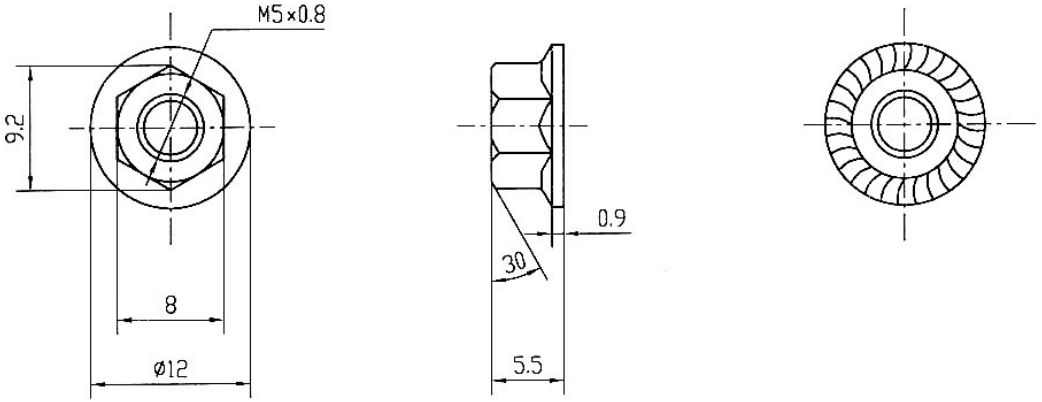
注 1. 材料：SWRM3

2. 防腐蚀：表面氧化处理

NOTES

1. MATERIAL : SWRM3

2. CORROSION PROTECTION : ZINCING



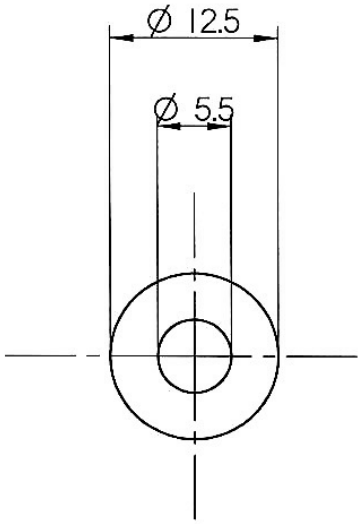
更改组 CHANGE	毛新宇	00-6-2	换版

上海日立电器有限公司
SHANGHAI HITACHI ELECTRICAL APPLIANCES CO.,LTD.

DIM.IN mm	制作日期 DATE	97-12-22	审核 APPROVED	凸缘螺母 FLANGE NUT
比例 SCALE	制作 DRAWN	周润	王幼寅 石屿	
2:1 ~~NTS~~	校对 CHECKED	何文藻		SC01D430 1/1
	设计 DESIGN	周润	会签	

NOTES
1. MATERIAL: CR
2. HARDNESS: Hs80
3. THICKNESS: 1.0

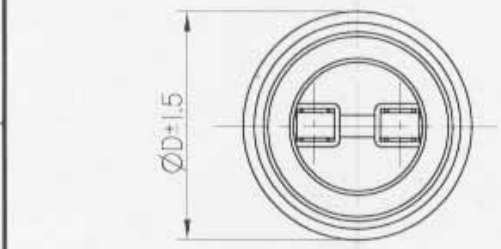
注1. 材料：氯丁橡胶
2. 硬度：Hs80
3. 厚度：1.0

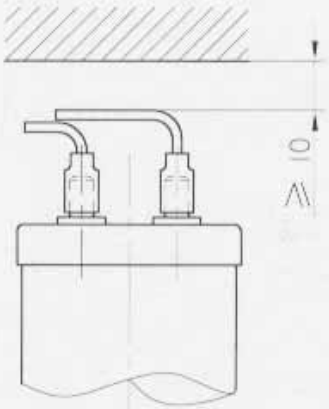


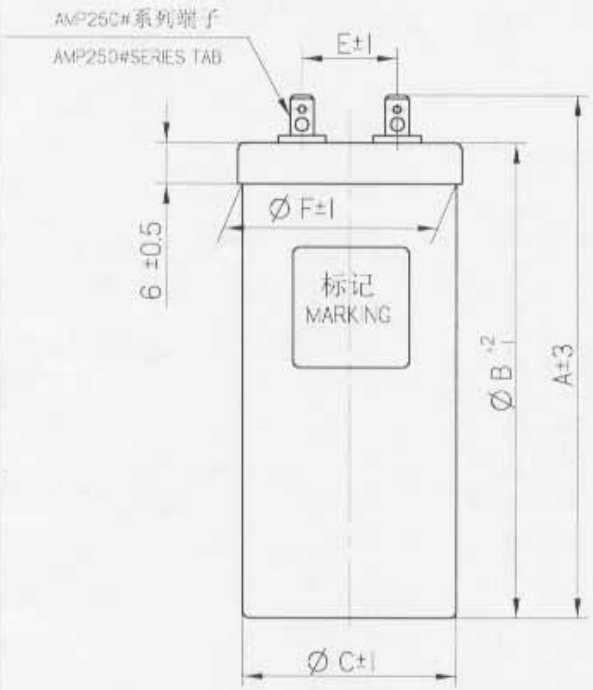
更改栏 CHANGE					

	上海日立电器有限公司 SHANGHAI HITACHI ELECTRICAL APPLIANCES CO.,LTD.				
DIM. IN mm	制作日期 DATE	02-3-19	审 核 APPROVED		橡胶垫圈 RUBBER WASHER
比例 SCALE	制 作 DRAWN	施 梅			
2: 1 NTS	校 对 CHECKED	金 荣			SC01DA63 1/1
	设 计 DESIGN	施 梅	会 签		

副号 ITEM	容量 CAPACITANCE	工作电压 VOLTAGE	安化尺寸 DIMENSION						使用温度范围 TEMPERATURE RANGE
			A	B	C	D	E	F	
H01	55 μ F	220VAC	107	95	44.2	48	13	45	-25～+60 °C
H02	40 μ F	220VAC	107	95	44.2	48	13	45	-25～+60 °C
H03	50 μ F	220VAC	107	95	44.2	48	13	45	-25～+60 °C
H04	35 μ F	220VAC	107	95	44.2	48	13	45	-25～+60 °C
H05	25 μ F	400VAC	107	95	44.2	48	13	45	-25～+60 °C
H06	55 μ F	250VAC	107	95	44.2	48	13	45	-25～+60 °C
H07	65 μ F	220VAC	107	95	44.2	48	13	45	-25～+60 °C
H08	35 μ F	250VAC	107	95	44.2	48	13	45	-25～+60℃
H09	50 μ F	250VAC	107	95	44.2	48	13	45	-25～+60℃
H10	45 μ F	250VAC	107	95	44.2	48	13	45	-25～+60℃







标签 MARKING
(例图) (EXAMPLE)

更改栏 CHANGE	
E	换版 增加"H10"规格 08.9.3

上海日立电器有限公司 SHANGHAI HITACHI ELECTRICAL APPLIANCE CO., LTD			
DIM IN mm	制作日期 DATE	2000-9-5	审核 APPROVED
比例 SCALE	制作 DRAWN	毛新宇	陈剑涌 王幼寅
2:1	校对 CHECKED	龚大清	
	设计 DESIGN	金 昊	会签

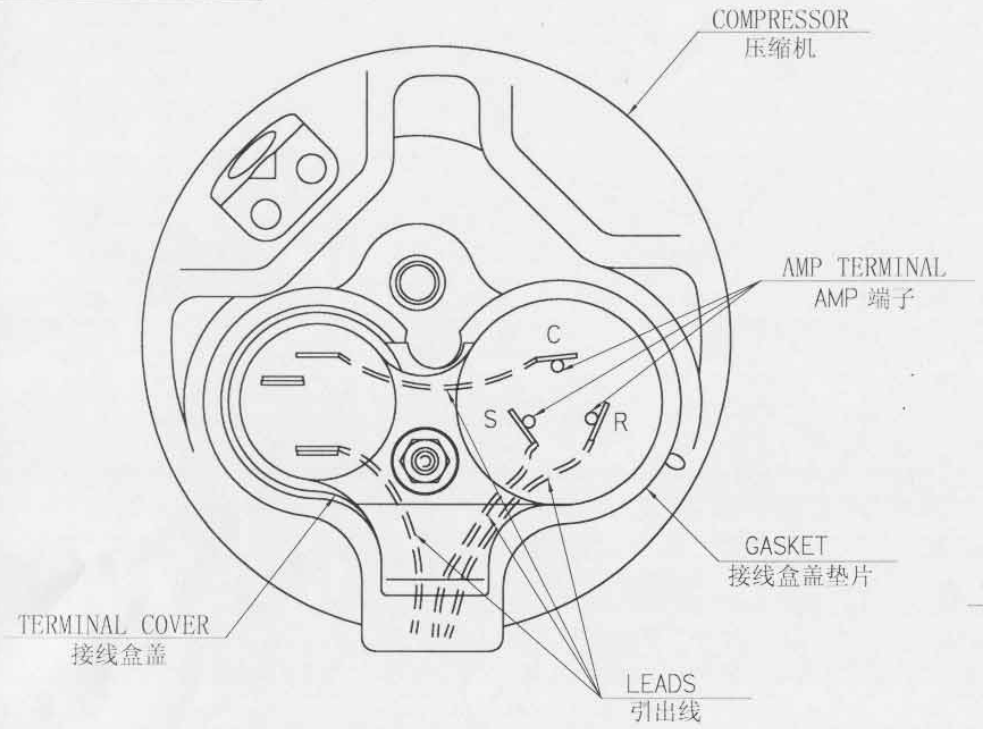
运转电容
RUN CAPACITOR

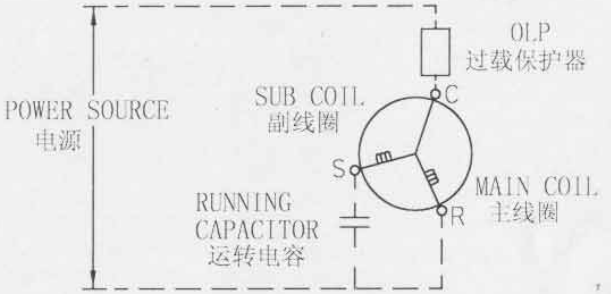
SC01D380

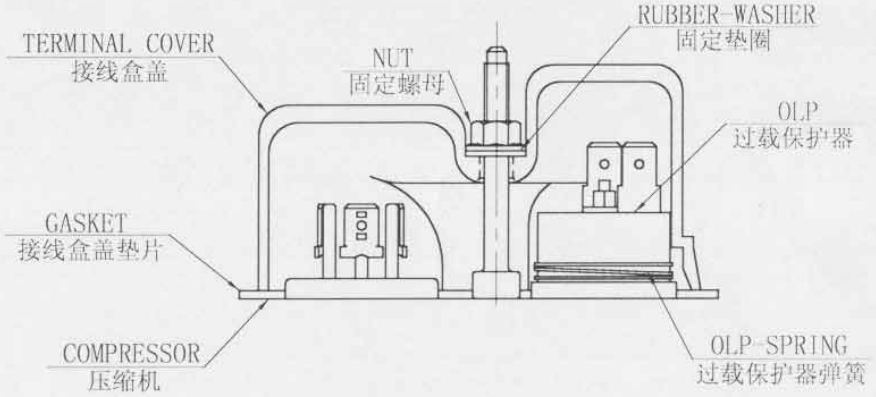
1/1

4CYC00977 版本标识 A

记号	来历	年月日	订正	审查	记号	来历	年月日	订正	审查
①					④				
②					⑤				
③					⑥				







NOTES :
1. PLEASE REPARE LEADS BY YOURSELF.
2. THE LETTER C, R OR S STANDS FOR EACH TERMINAL.
3. TABS FOR HERMETIC TERMINAL ARE AMP #250.
4. OLP TO BE SET ON THE TOP OF COMPRESSOR AS SHOWN.

注意:
1. 引出线自备。
2. C、R、S表示每个接线端子。
3. 密封接线柱接线片为AMP #250。
4. 过载保护器应如图放置在压缩机顶端。

	RE-MARKS			PROJECTION	SCALE	
REGD	DWN.	07.7.5	TITLE		NTS	
	CHKD.	07.7.5	DIMENSIONED SKETCH	shanghai Hitachi,Ltd.		DWN.NO. 4CYC00977
	CHKD.					
	APPD.	07.7.15				