

## 压缩机特性规格书

### PERFORMANCE FOR COMPRESSOR

机型 (MODEL): GQR26U

1PH, 50Hz, 220-240V

#### 1、适用范围 (APPLICATION)

|                                 |                 |
|---------------------------------|-----------------|
| 蒸发温度范围 (EVAPORATING TEMP RANGE) | -35 ~ 0°C       |
| 环境温度 (Ambient Temp.)            | 0~43°C          |
| 最高冷凝温度 (Max. Condensing Temp.)  | 65°C            |
| 冷却方式 (COOLING TYPE)             | 风扇冷却 (FAN)      |
| 制冷控制 (REFRIGERATION CONTROL)    | 毛细管 (CAPILLARY) |
| 认证种类 (APPROVAL)                 |                 |
| 电压范围 (VOLTAGE RANGE)            | 220~240V        |
| 冷媒 (REFRIGERANT)                | R290            |

#### 2、额定性能及测试条件 (RATED PERFORMANCE AND TEST CONDITIONS)

|                              |                   |                   |
|------------------------------|-------------------|-------------------|
| 制冷能力 (COOLING CAPACITY)      | 920(W)            | 1810(W)           |
| 输入功率 (INPUT POWER)           | 667(W)            | 963(W)            |
| 额定电流 (RATED CURRENT)         | 3.30(A)           | 4.65(A)           |
| 能效比 (EFFICIENCY) COP         | 1.38(W/W)         | 1.88(W/W)         |
| 测试工况 (ASHRAE TEST CONDITION) | 低背压 (LBP)         | 中背压 (MBP)         |
| 测试电源 (TEST POWER SOURCE)     | 220-240V~50Hz 1PH | 220-240V~50Hz 1PH |
| 蒸发温度 (EVAPORATING TEMP)      | -23.3°C           | -6.7°C            |
| 冷凝温度 (CONDENSING TEMP)       | 54.4°C            | 54.4°C            |
| 吸气温度 (SUNCTION TEMP)         | 32.2°C            | 35°C              |
| 过冷温度 (SUBCOOLING TEMP)       | 32.2°C            | 46.1°C            |
| 环境温度 (AMBIENT TEMP)          | 32.2°C            | 35°C              |

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#### 3、主要构造项目 (MAIN STRUCTURE)

|                             |                                          |
|-----------------------------|------------------------------------------|
| 压缩机类型 (COMPRESSOR TYPE)     | 全封闭型电动压缩机<br>(HERMETIC MOTOR-COMPRESSOR) |
| 泵体类型 (PUMP TYPE)            | 往复式<br>(RECIPROCATING TYPE)              |
| 气缸容积 (DISPLACEMENT)         | 25.1cm <sup>3</sup>                      |
| 冷冻机油类型(OIL TYPE)            | 酯类油<br>ISO32                             |
| 冷冻机油充注量(OIL CHARGE)         | 450±10ml                                 |
| 涂装(PAINTING)                | 黑色涂装, 烘烤干燥<br>(BLACK PAINT,BAKED)        |
| 净重(NET WEIGHT)              | 17.2±0.4kg                               |
| 吸气管内径(ID OF SUCTION TUBE)   | Ø9.6±0.1mm                               |
| 排气管内径(ID OF DISCHARGE TUBE) | Ø6.2±0.1mm                               |
| 工艺管内径(ID OF PROCESS TUBE)   | Ø9.6±0.1mm                               |
| 残余杂质 (RESIDUAL IMPURITIES)  | ≤80mg                                    |
| 残余水分 (RESIDUAL MOISTURE)    | ≤130mg                                   |

#### 4、电机 (MOTOR)

|                               |                           |
|-------------------------------|---------------------------|
| 启动方式 (STARTING TYPE)          | CSR(电压式)                  |
| 电压范围 (VOLTAGE RANGE)          | 187~254V                  |
| 绝缘等级 (INSULATION GRADE)       | B GRADE                   |
| 电机最高绕组温度 (Max. Winding Temp.) | ≤130℃                     |
| 最高壳体温度 (Max. Shell Temp.)     | ≤110℃                     |
| 最高排气温度 (Max. Discharge Temp.) | ≤130℃                     |
| 堵转电流 (LOCKED ROTOR CURRENT)   | 21.0A                     |
| 启动电压 (Start Voltage)          | ≤175V [0.83/0.83MPa(abs)] |

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#### 5、电器元件 (ELECTRICAL COMPONENTS)

| 热保护 (THERMAL PROTECTOR)        |              |
|--------------------------------|--------------|
| 型号 (TYPE)                      | B180-120     |
| 厂家 (Supplier)                  | Star Shuaier |
| 动作温度 (Open Temp.)              | 120±5℃       |
| 复位温度 (Close Temp.)             | 61±9℃        |
| 感动电流 (U.T.C) @90℃              | 4.7+35% A    |
| 动作电流 (Max.T.C Amp.(25℃)        | 18.0A        |
| 动作时间 (TRIP TIME)               | 6~16sec      |
| 启动器 (STARTING RELAY)           |              |
| 型号 (TYPE)                      | RVA4M3C      |
| 厂家 (Supplier)                  | ELSING       |
| 最大吸合电压 (Max pull-in voltage) V | 242~272      |
| 最小释放电压 (Min release voltage) V | 60~121       |
| 电阻 (RESISTANCE)                | /            |
| 复位时间 (RESET TIME)              | /            |
| 运行电容 (RUNNING CAPACITOR)       |              |
| 型号 (TYPE)                      | CBB65        |
| 电容值 (CAPACITY VALUE) 25℃       | 15μF 450VAC  |
| 启动电容 (STARTING CAPACITOR)      |              |
| 型号 (TYPE)                      | CBB65        |
| 电容值 (CAPACITY VALUE) 25℃       | 75μF 330VAC  |

## 压缩机规格书及附件清单

### LIST OF COMPRESSOR & ACCESSORIES

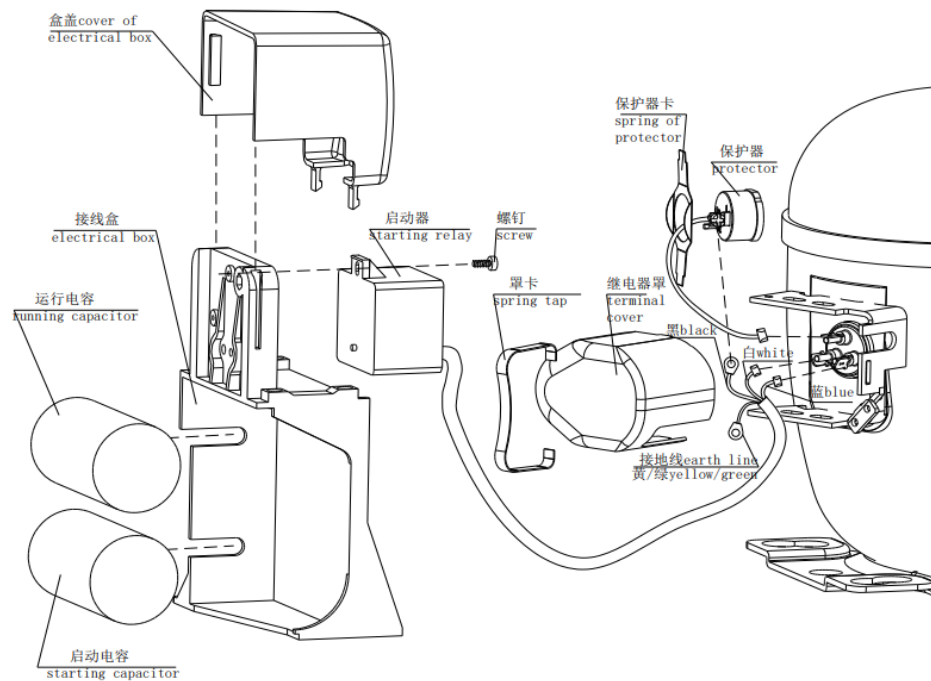
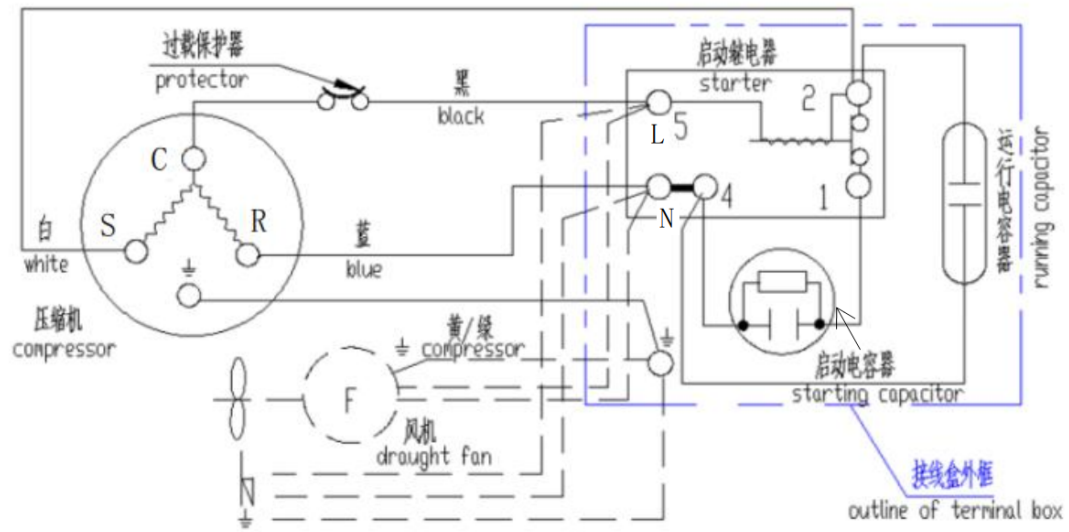
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#### 6、附件清单 (ACCESSORIES LIST)

| 名称 (NAME)                                | 规格 (DESCRIPTION) | 数量 (QTY) |
|------------------------------------------|------------------|----------|
| 保护器<br>(PROTECTOR)                       | B180-120         | 1        |
| 启动器 (STARTING RELAY)                     | RVA4M3C          | 1        |
| 启动电容<br>(STARTING CAPACITOR)             | CBB65 75 $\mu$ F | 1        |
| 运行电容<br>(STARTING CAPACITOR)             | CBB65 15 $\mu$ F | 1        |
| 保护器卡<br>(Spring of Protector)            |                  | 1        |
| 继电器罩 (Terminal Cover)                    |                  | 1        |
| 罩卡 (Spring Tap)                          |                  | 1        |
| 电器接线盒<br>(Electrical Box)                |                  | 1        |
| 电器盒盖<br>(Cover of electrical box)        |                  | 1        |
| 线束组件 (Electrical Wire)                   |                  | 1        |
| 机脚橡胶座<br>(Rubber Grommet)                |                  | 4        |
| 衬管 (Sleeve)                              |                  | 4        |
| 地脚螺栓组件 (Anchor Bolt<br>Assembly and Nut) | M6x30            | 4        |
| 接地螺钉组件 (Earth Screw)                     |                  | 1        |

## 7、接线方式 (ELECTRICAL WIRING DIAGRAM)

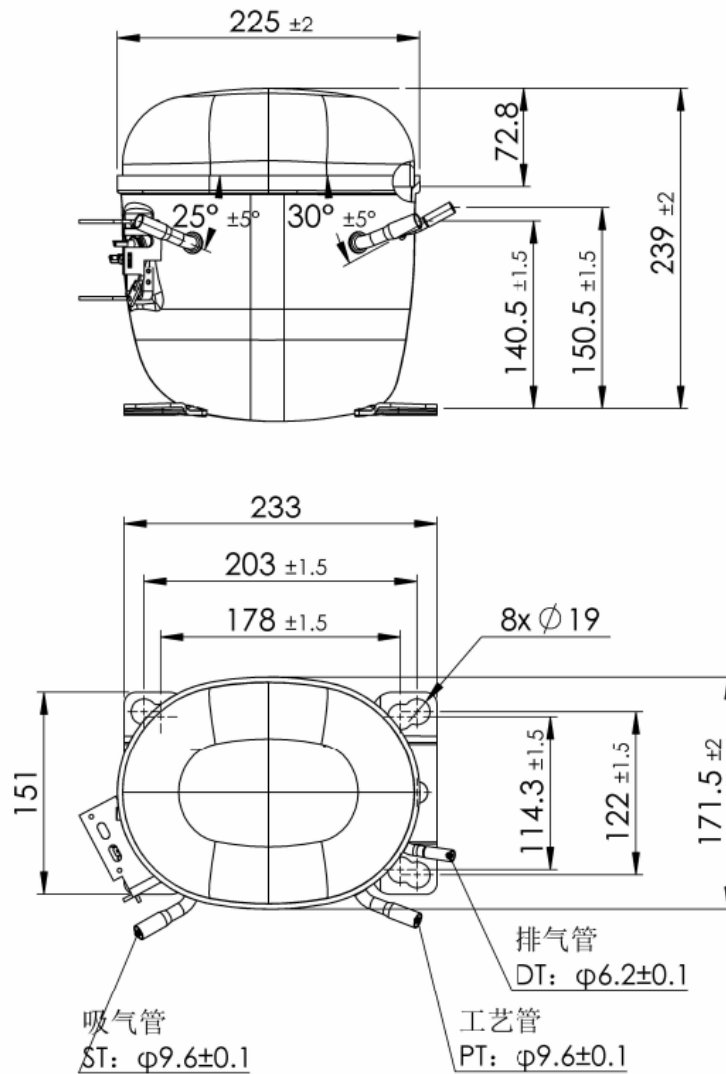


## 压缩机外形尺寸图 DIMENSIONS FOR COMPRESSOR

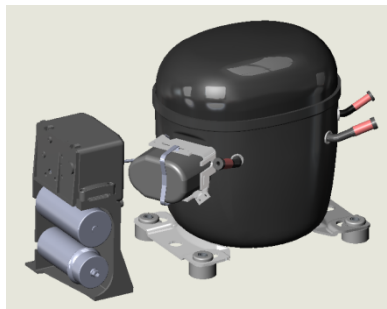
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### 8、压缩机外形图 (DIMENSIONS FOR COMPRESSOR):



压缩机高度 Height value of compressor:  $H=239 \pm 2\text{mm}$ .



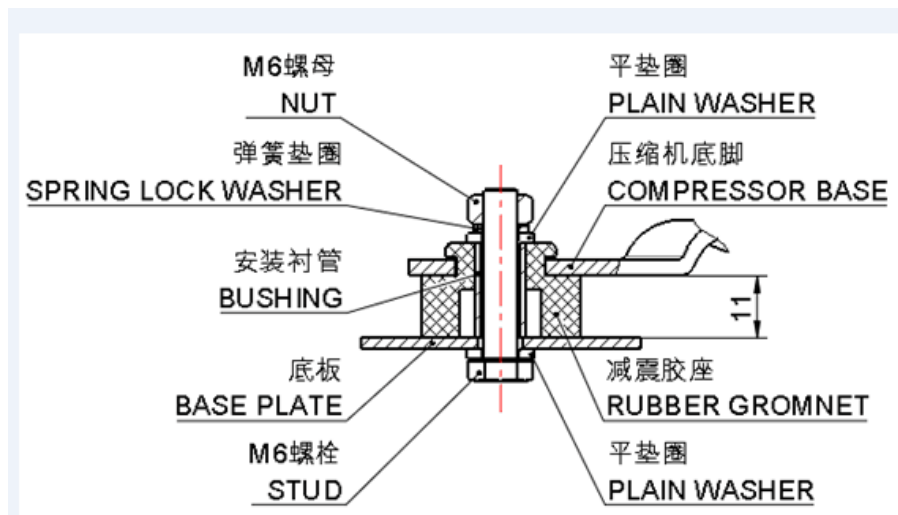
## 压缩机安装示意图

### MOUNTING DIAGRAM FOR COMPRESSOR

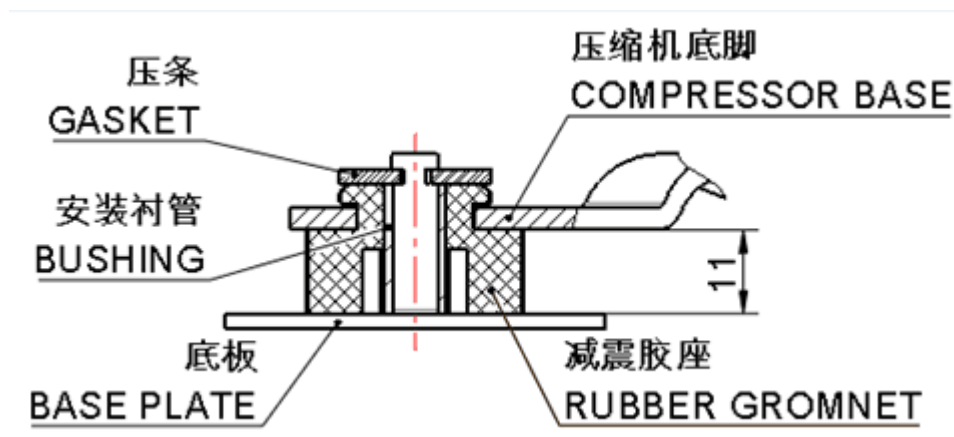
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#### 9、安装图 (MOUNTING DIAGRAM FOR COMPRESSOR)



安装方式 (MOUNTING TYPE) : (1)



安装方式 (MOUNTING TYPE) : (2)

## 压缩机装运条件

### TRANSPORTATION FOR COMPRESSOR

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#### 10、包装、贮存和运输 (TRANSPORTATION FOR COMPRESSOR)

|                       |                                                              |
|-----------------------|--------------------------------------------------------------|
| 包装类型(Packing type)    | 一次性 (不返用) (Disposable)                                       |
| 运输(Transport)         | 火车或汽车(Train, bus, vessel)                                    |
| 数量 (Quantity)         | 45pcs/box                                                    |
| 堆码层数(Stacking layers) | 最多两层(not more than two layers)                               |
| 型号(Model)             | GQR26U                                                       |
| 搬运(Moving)            | 保持压缩机正常和垂直状态(Keep the compressor normal and vertical status) |