



PERFORMANCE FOR COMPRESSOR

MODEL: QDZH110G

12/24V (DC)

1、APPLICATION

| | |
|------------------------|------------|
| EVAPORATING TEMP RANGE | -35~-15℃ |
| COOLING TYPE | ST |
| REFRIGERATION CONTROL | CAPILLARY |
| APPROVAL | / |
| VOLTAGE RANGE | 12/24 (DC) |
| REFRIGERANT | R134a |

2、RATED PERFORMANCE AND TEST CONDITIONS

| ROTATE SPEED | COOLING CAPACITY | EFFICIENCY: COP |
|-----------------------|------------------|-----------------|
| 2000 (rpm) | 230.0 (W) | 1.2 (W/W) |
| 2500 (rpm) | 270.0 (W) | 1.2 (W/W) |
| 3000 (rpm) | 310.0 (W) | 1.3 (W/W) |
| 3500 (rpm) | 340.0 (W) | 1.3 (W/W) |
| ASHRAE TEST CONDITION | LBP | |
| TEST POWER SOURCE | 12/24 (DC) | |
| EVAPORATING TEMP | -23.3℃ | |
| CONDENSING TEMP | 54.4℃ | |
| SUNCTION TEMP | 32.2℃ | |
| SUBCOOLING TEMP | 32.2℃ | |
| AMBIENT TEMP | 32.2℃ | |



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3、 MAIN STRUCTURE

| | |
|----------------------|-----------------------------|
| COMPRESSOR TYPE | HERMTIC MOTOR-COMPRESSOR |
| PUMP TYPE | RECIPROCATING TYPE |
| OIL TYPE | 22# |
| OIL CHARGE | 180ml |
| PAINTING | BLACK PAINT,BAKED |
| NET WEIGHT | 6.4Kg |
| ID OF SUCTION TUBE | Ø6.2±0.1 |
| ID OF DISCHARGE TUBE | Ø5.1±0.1 |
| ID OF PROCESS TUBE | Ø6.2±0.1 |
| RESIDUAL IMPURITIES | 80mg MAX |
| RESIDUAL MOISTURE | 100mg MAX |

4、 MOTOR

| | |
|------------------|--------------|
| STARTING TYPE | MK-75-12/24V |
| VOLTAGE RANGE | 12/24V |
| INSULATION GRADE | B GRADE |



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5、 ELECTRICAL COMPONENTS

| MOTOR SPEED | RESISTANCE(Ω) | C/T CURRENT |
|-------------|---------------|----------------|
| 2000 (rpm) | 0 (Ω) | 0.87~1.02 (mA) |
| 2100 (rpm) | 51 (Ω) | 1.02~1.17 (mA) |
| 2200 (rpm) | 100 (Ω) | 1.17~1.32 (mA) |
| 2300 (rpm) | 150 (Ω) | 1.32~1.48 (mA) |
| 2400 (rpm) | 200 (Ω) | 1.48~1.63 (mA) |
| 2500 (rpm) | 277 (Ω) | 1.63~1.78 (mA) |
| 2600 (rpm) | 330 (Ω) | 1.78~1.93 (mA) |
| 2700 (rpm) | 400 (Ω) | 1.93~2.08 (mA) |
| 2800 (rpm) | 490 (Ω) | 2.08~2.24 (mA) |
| 2900 (rpm) | 586 (Ω) | 2.24~2.39 (mA) |
| 3000 (rpm) | 692 (Ω) | 2.39~2.54 (mA) |
| 3100 (rpm) | 816 (Ω) | 2.54~2.69 (mA) |
| 3200 (rpm) | 963 (Ω) | 2.69~2.84 (mA) |
| 3300 (rpm) | 1137 (Ω) | 2.84~3.00 (mA) |
| 3400 (rpm) | 1331 (Ω) | 3.00~3.15 (mA) |
| 3500 (rpm) | 1523 (Ω) | 3.15~3.61 (mA) |
| STOP | >3000 (Ω) | 3.61~5.00 (mA) |

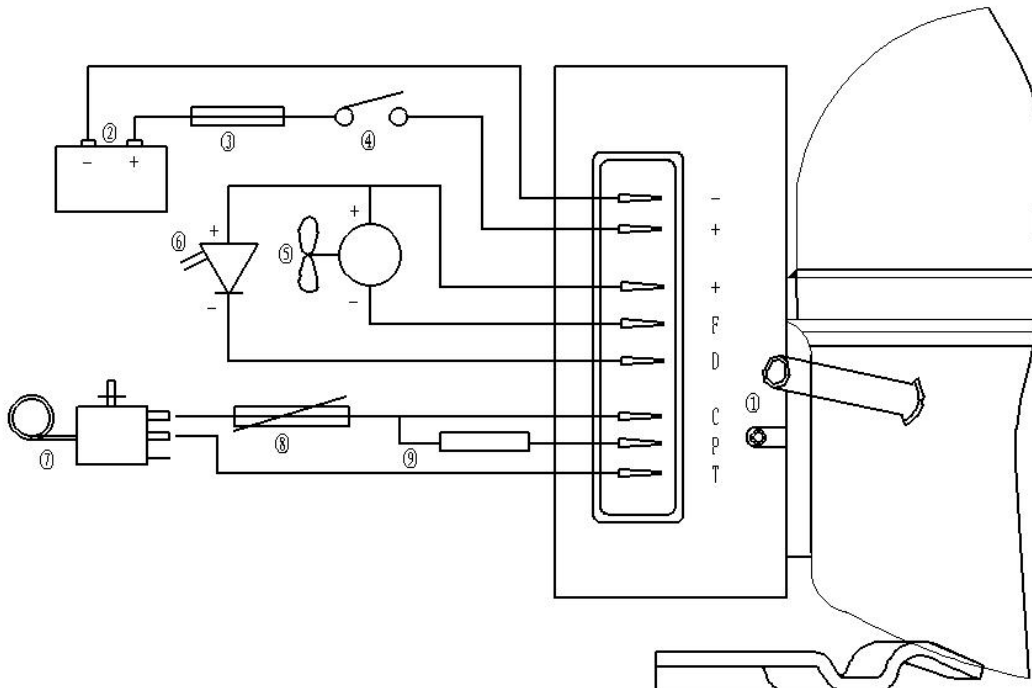
LIST OF COMPRESSOR & ACCESSORIES

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6、ACCESSORIES LIST

| NAME | DTSCRIPTION | QTY |
|----------------|----------------------------|-----|
| CONTROLLER | MK-75-12/24V MK-QDZH75G | 1 |
| RUBBER GROMMET | | 4 |
| BUSHING | | 4 |

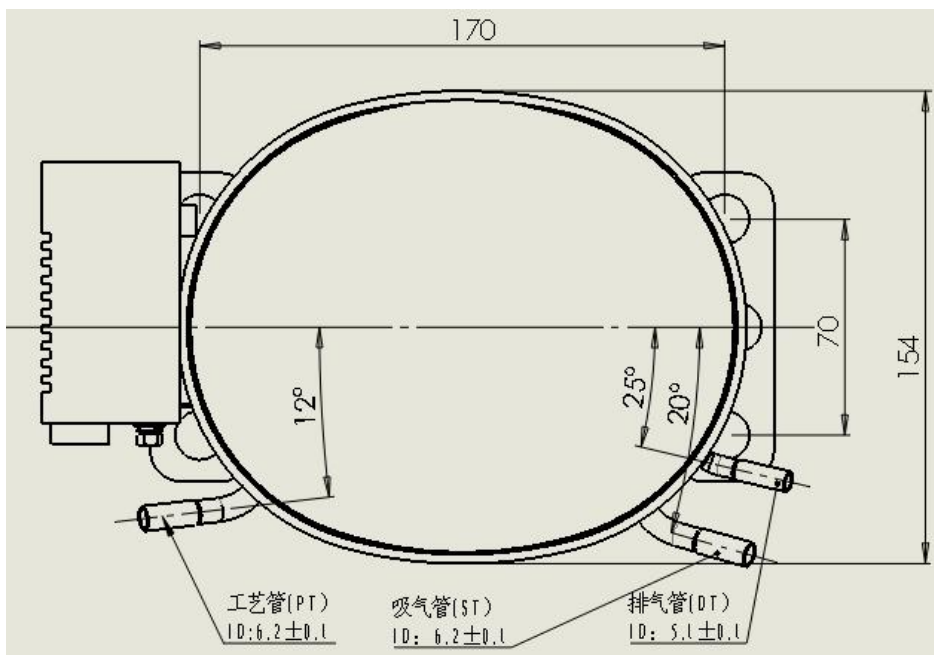
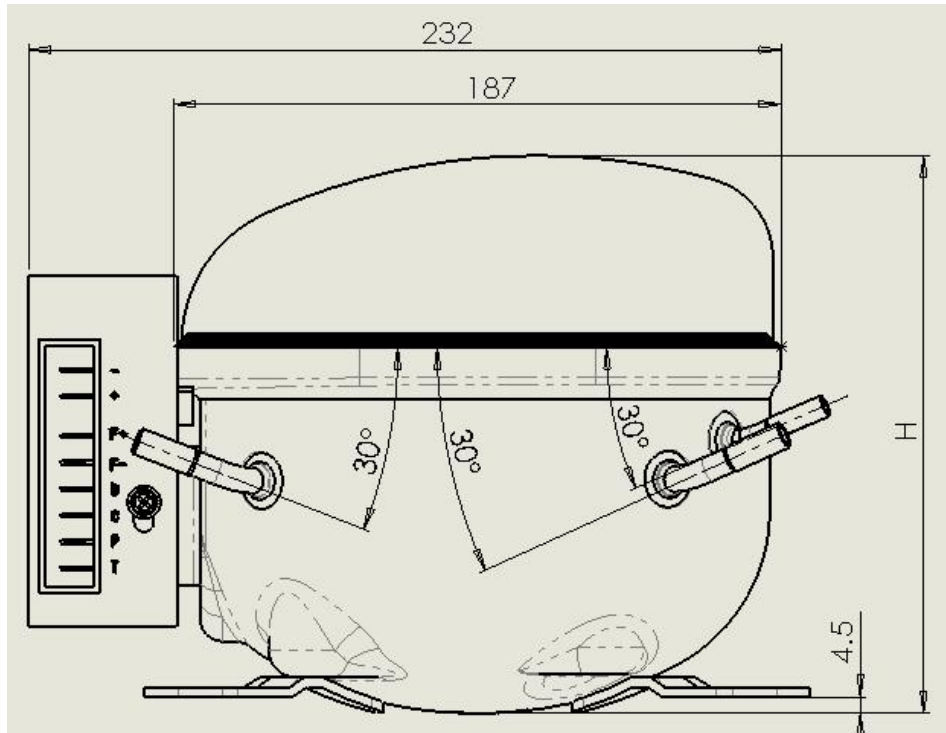
7、ELECTRICAL WIRING DIAGRAM



DIMENSIONS FOR COMPRESSOR

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8、DIMENSIONS FOR COMPRESSOR:

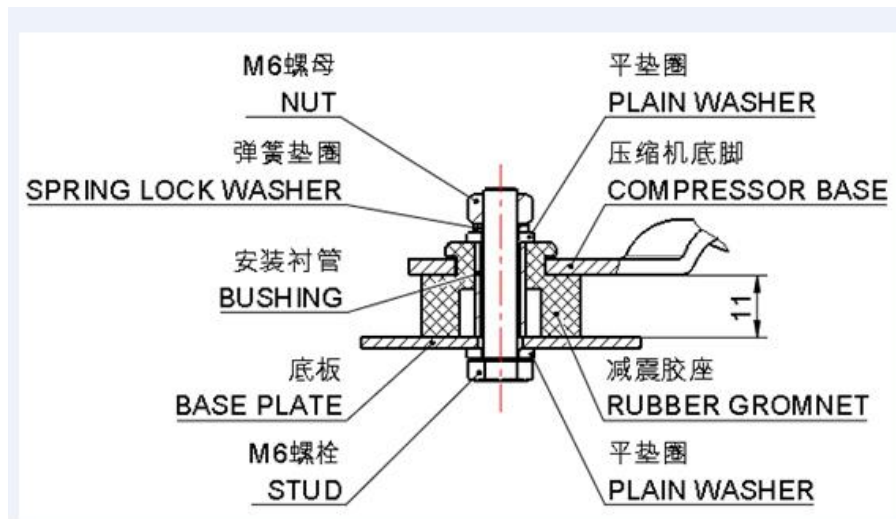


Height value of compressor: $H=162 \pm 2\text{mm}$.

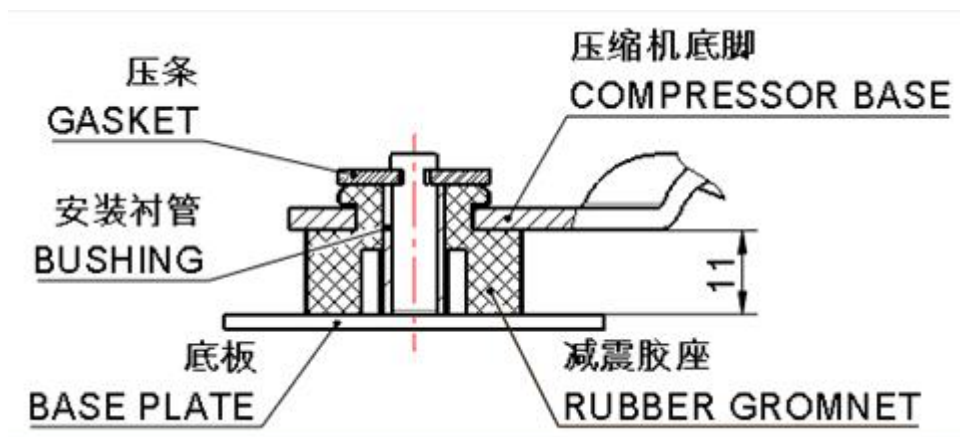
MOUNTING DIAGRAM FOR COMPRESSOR

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9、MOUNTING DIAGRAM FOR COMPRESSOR



MOUNTING TYPE:(1)



MOUNTING TYP) :(2)



TRANSPORTATION FOR COMPRESSOR
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10、 TRANSPORTATION FOR COMPRESSOR

| | |
|-----------------|---|
| Packing type | Disposable |
| Transport | Train, bus, vessel |
| Stacking layers | not more than two layers |
| Model | QDZH110G |
| Moving | Keep the compressor normal and vertical status |