



## PERFORMANCE FOR COMPRESSOR

MODEL: QDZH43G

12/24V (DC)

### 1、 APPLICATION

EVAPORATING TEMP RANGE	-35~-15°C
COOLING TYPE	F
REFRIGERATION CONTROL	CAPILLARY
APPROVAL	CE
VOLTAGE RANGE	12/24 DC
REFRIGERANT	R134a

### 2、 RATED PERFORMANCE AND TEST CONDITIONS

ROTATE SPEED	COOLING CAPACITY	EFFICIENCY: COP
2000 (rpm)	80 (W)	1.15 (W/W)
2500 (rpm)	96 (W)	1.2 (W/W)
3000 (rpm)	115 (W)	1.25 (W/W)
3500 (rpm)	138 (W)	1.25 (W/W)
ASHRAE TEST CONDITION	LBP	
TEST POWER SOURCE	12/24 (DC)	
EVAPORATING TEMP	-23.3°C	
CONDENSING TEMP	54.4°C	
SUNCTION TEMP	32.2°C	
SUBCOOLING TEMP	32.2°C	
AMBIENT TEMP	32.2°C	



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### 3、 MAIN STRUCTURE

COMPRESSOR TYPE	HERMTIC MOTOR-COMPRESSOR
PUMP TYPE	RECIPROCATING TYPE
OIL TYPE	RL22H
OIL CHARGE	130ml
AINTING	BLACK PAINT,BAKED
NET WEIGHT	4.5Kg
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	L-65-12/24
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

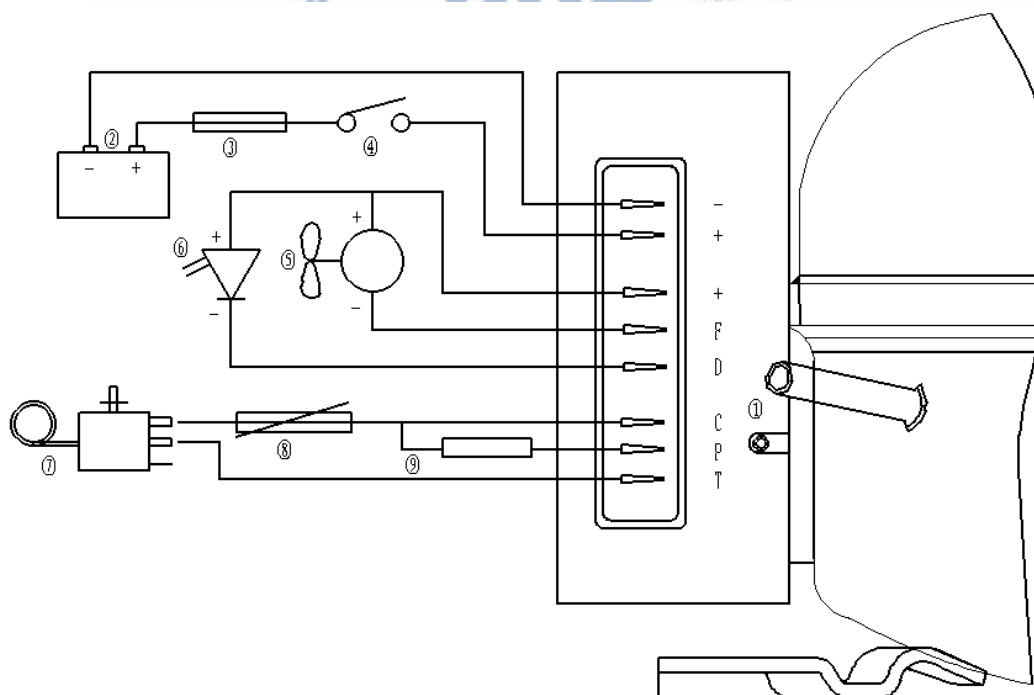
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### 6、 ACCESSORIES LIST

NAME	DESCRIPTION	QTY
CONTROLLER	L-65-12/24 QDZY65G-L	1
RUBBER GROMMET		4
BUSHING		4

### 7、 ELECTRICAL WIRING DIAGRAM

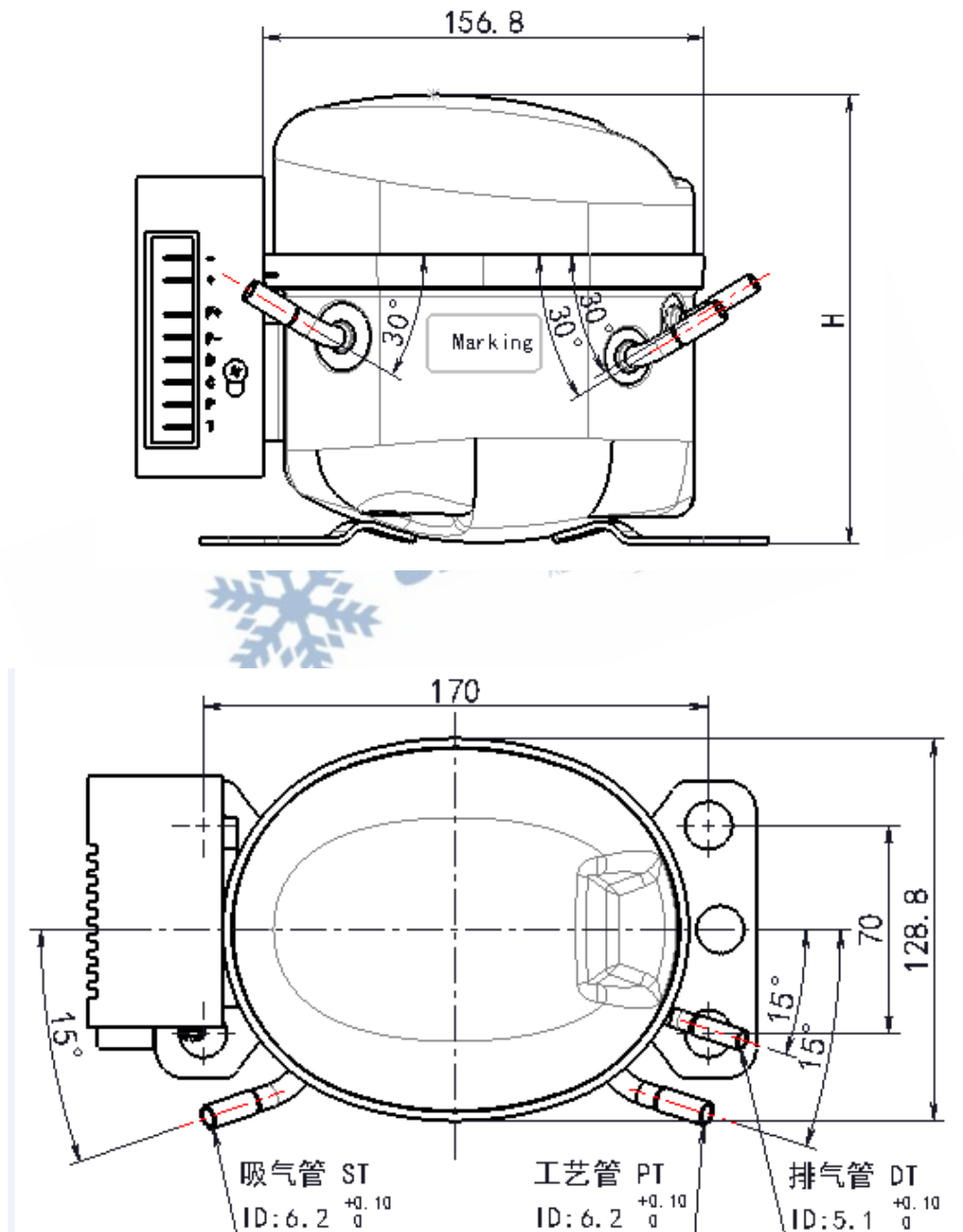


## DIMENSIONS FOR COMPRESSOR

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### 8、 DIMENSIONS FOR COMPRESSOR:



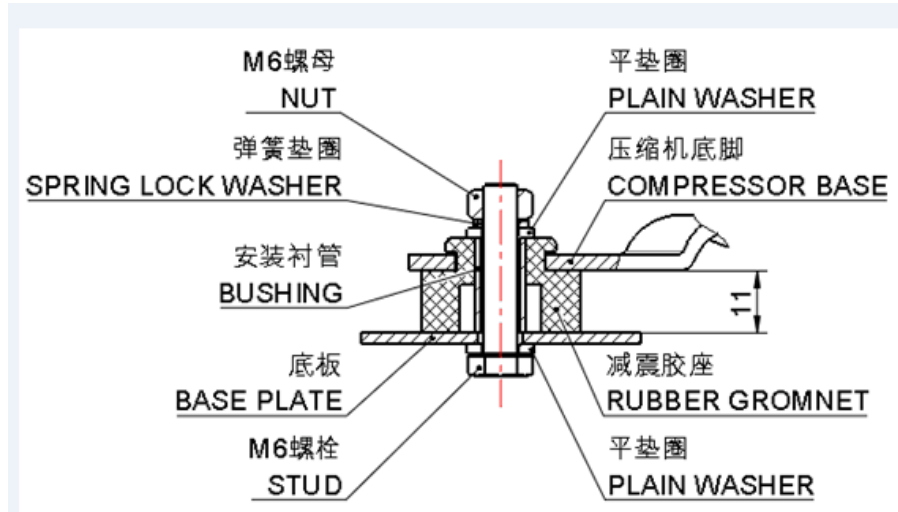
Height value of compressor:  $H=156.5 \pm 2\text{mm}$ .

## MOUNTING DIAGRAM FOR COMPRESSOR

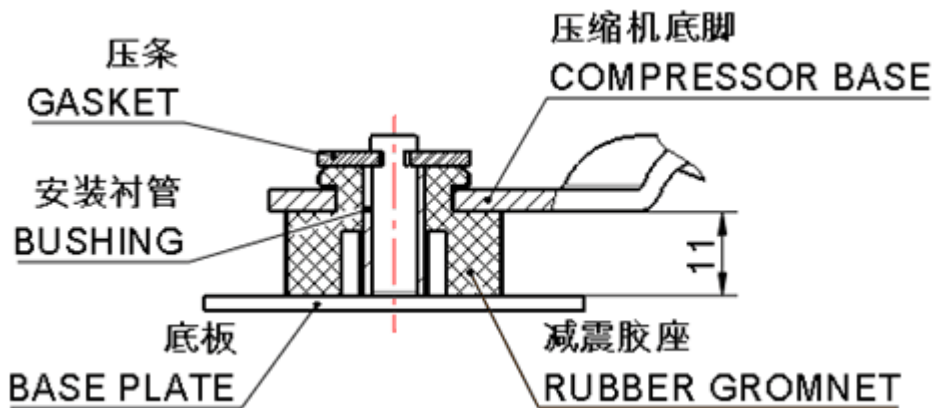
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### 9、MOUNTING DIAGRAM FOR COMPRESSOR



MOUNTING TYPE:(1)



MOUNTING TYPE:(2)

**TRANSPORTATION FOR COMPRESSOR**

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## 10、 TRANSPORTATION FOR COMPRESSOR

Packing type	Disposable
Transport	Train, bus, vessel
Packing layers	not more than two layers)
Model	QDZH43G
Moving	Keep the compressor normal and vertical status

