



FHR-10K

Horizontal type rotary compressor
Appliances, air conditioner

R407C refrigerant
220~240VAC/50Hz

Specification

■ General

Type	Horizontal Rotary compressor Hot/Cool
Structure of working	Rotary
Refrigerant	R407C
Oil / Max. Oil Feed	RL-32RV /300ml
Surface coating	Amino Baking Enamel coating, semi-gloss, black
Weight	11.8kg
Nominal volume of cylinder	9.6cm ³
Suction pipe diameter (inner)	∅ 12.8mm
Discharge pipe diameter (inner)	∅ 8.1mm

■ Motor performance

Type / Starting	PSC capacitor running
Poles	2poles
Rated voltage	220~240V/50Hz
Insulation	Class B
Coil resistance (25°C)	5.473ohm / 5.63ohm (main/secondary)
Stall (locked) Current (220V)	14A
Starting voltage range	187V ~ 242V
Running voltage range	198V ~ 242V
Running capacitor	15 uF
Waterproof level	D40 (Normal)

■ System performance

Cooling capacity	1580W
Input	540W
Working current	2.6A
C.O.P	2.93w/w
Noise	<=63db

Testing condition:

Testing power supply:	220VAC/50Hz
Evaporating Temperature:	72°C
Condensing Temperature:	54.40°C
Sub-Cooling Temperature:	46.10°C
Ambient Temperature:	35°C
Suction Temperature:	35°C

■ **Safe parameter**

Gas pressurize	High pressure: 2.9Mpa / Low pressure: 1.6Mpa
Intensity pressure	High pressure: 10.5Mpa / Low pressure: 2.2Mpa
Insulation resistance (cold state)	>= 50M ohm
Electrical strength (cold state)	5mA - AC1800V / 1second passed
Residual water	<= 150mg
Solid residue	<= 75mg
Grounding resistance	<= 0.1 ohm

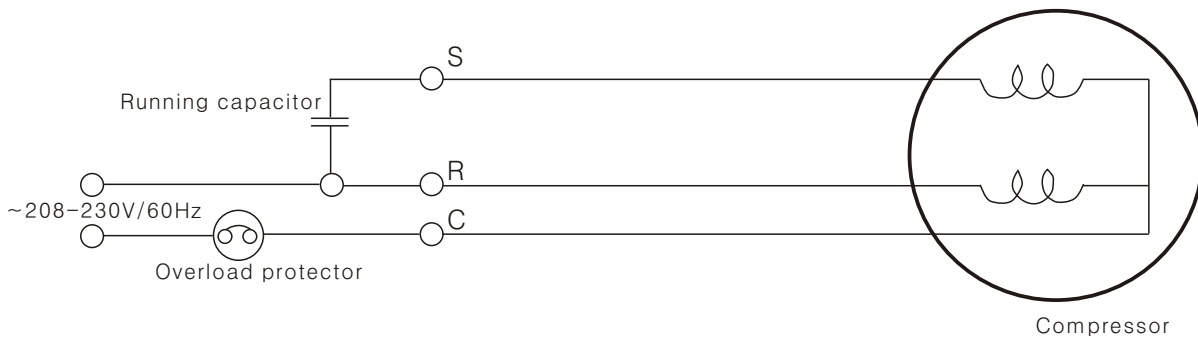
■ **Limit of uses**

Item	Normal	Max.
Discharge Pressure	<= 2.06Mpa	2.6Mpa
Suction Pressure	0.29 ~ 0.59 Mpa	0.1 ~ 0.69Mpa
Coil temperature	<= 100°C	125°C
Discharge pipe temperature	<= 100°C	115°C

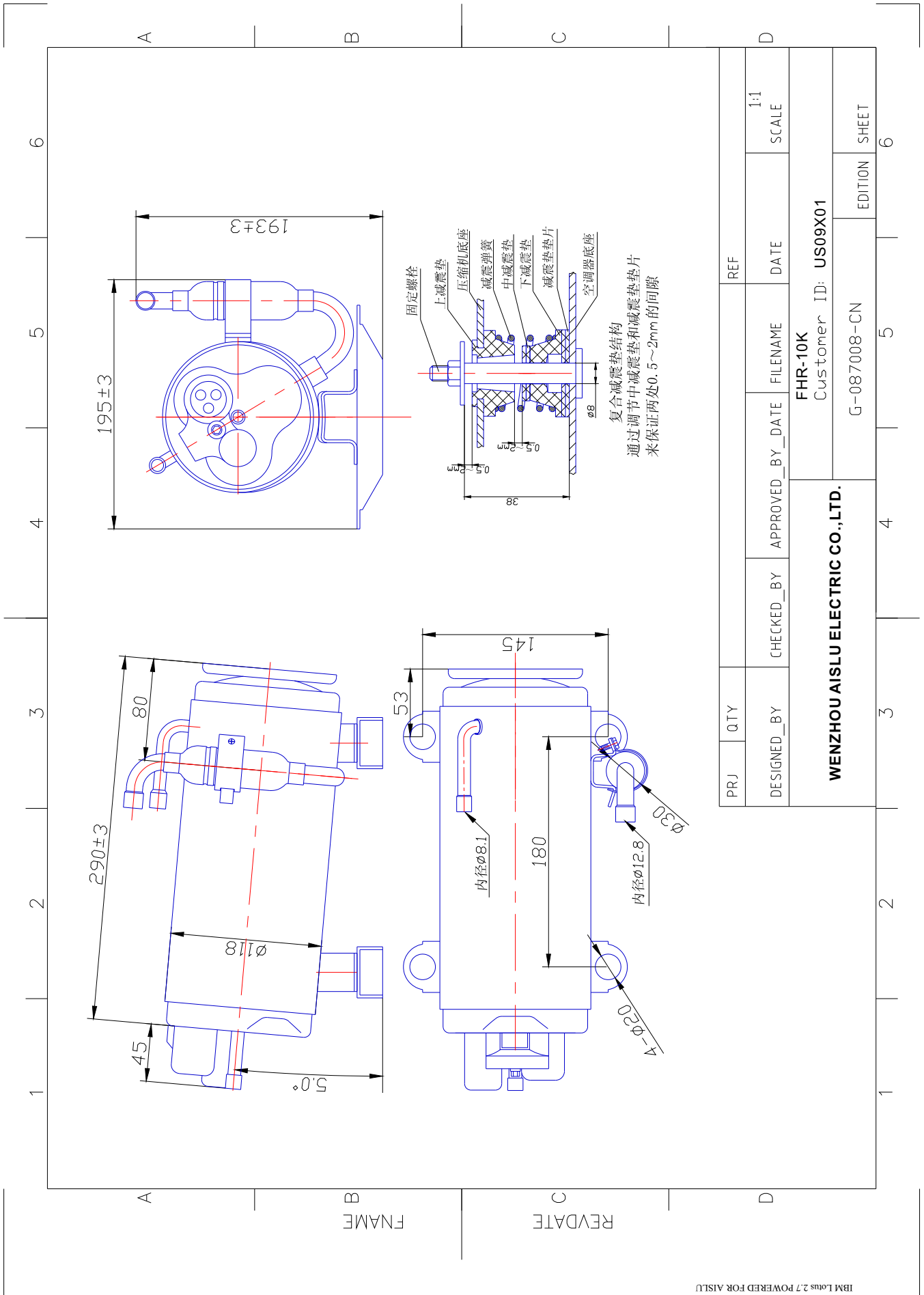
Compressor and accessories

Item	Model Number	Q.T.Y
Compressor	FHR-10K	1
Shock absorption mat	/	4
Connecting box	/	1
Connecting box rubber mat	/	1
Fix nut	/	1
Protector	B130-130	1
Spring	/	1

Wiring diagram



Outline dimensions



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