

MXH230NA COMPRESSOR TECHNICAL SPECIFICATION

(220-240V~50Hz)

CHANGHONG HUAYI COMPRESSOR CO., LTD.

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1 . Compressor Type

Compressor model	MXH230NA
Rated voltage/frequency	220-240V~50Hz
Refrigerant	R404A
Application	Low-Middle back pressure (LMBP)
Cooling method	FC
Control device	Capillary tube or Expansion Valve
Motor type	CSR
Starting Capacitor	88-108μF
Running Capacitor	25μF

2 . Performance Data

Displ.(cm ³)	Capacity(W) ≥95%	Inp.Pow.(W) ≤115%	Rated Current(A) ≤110%	COP(W/W) ≥95%	voltage frequency
23.2	1100	846	4.60	1.30	220V~50Hz

Testing condition:

Test conditions	LBP
	ASHRAE
Evaporating Temp.	-23.3°C
Ambient Temp.	32.2°C
Condensing Temp.	54.4°C
Suction Temp.	32.2°C
Subcooling Temp.	32.2°C

Displ.(cm ³)	Capacity(W) ≥95%	Inp.Pow.(W) ≤115%	Rated Current(A) ≤110%	COP(W/W) ≥95%	voltage frequency
23.2	1900	1226	4.60	1.55	220V~50Hz

Testing condition:

Test conditions	MBP
	ASHRAE
Evaporating Temp.	-6.7°C
Ambient Temp.	35.0°C
Condensing Temp.	54.4°C
Suction Temp.	35.0°C
Subcooling Temp.	46.1°C

3 . Running Condition

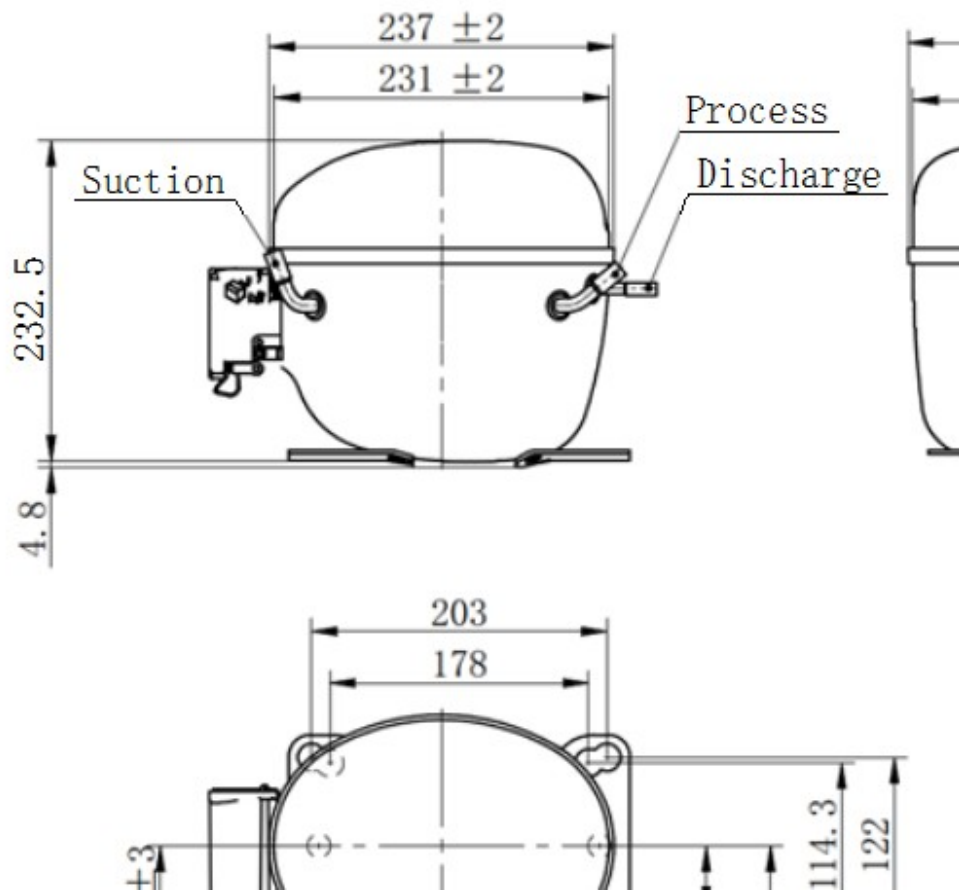
Ambient temp.	10~43°C
Evaporating temp.	-40~0°C
Voltage range	187~254V
Max. condensing temp.	60°C
Max. winding temp.	130°C
Max. shell temp.	95°C
Max. discharge temp.	130°C

4 . Compressor Mechanical Information

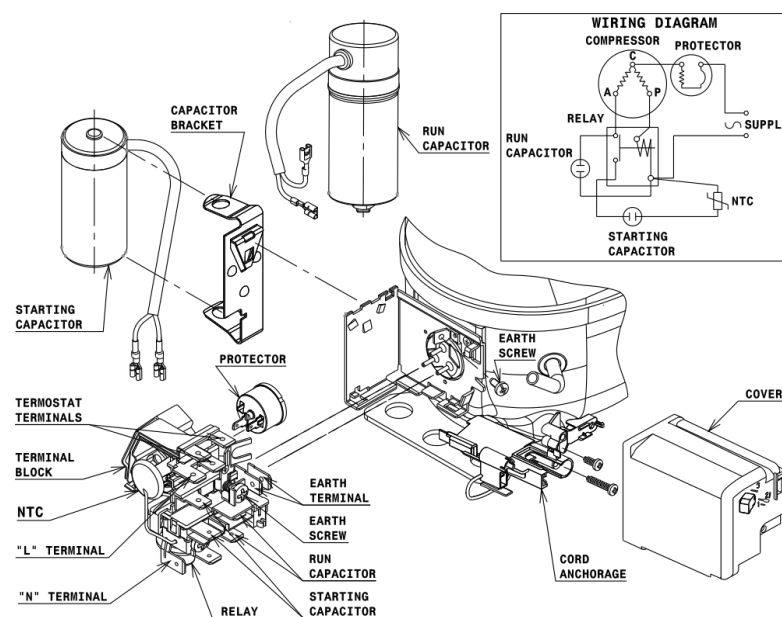
Oil type	POE
Oil charged	400±10ml
Weight (With oil charge)	17.9±0.4kg
Diameter of suction tube (I.D.)	Φ 9.7 ^{+0.1} ₀ mm
Diameter of discharge tube(I.D.)	Φ 6.5 ^{+0.1} ₀ mm
Diameter of process tube (I.D.)	Φ 9.7 ^{+0.1} ₀ mm
Material of suction tube, process tube and discharge tube	Copper tube

5 . Compressor Shape (connections on suction and process can not be

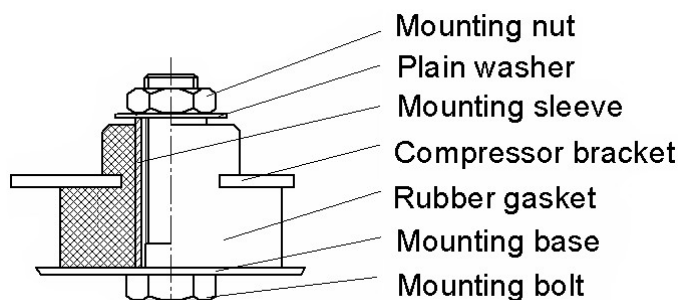
inverted)



6 . Wiring Diagram



7 . Fixing Of Mounting Bracket and Cabinet Base



8. Assembly of starter and protector

8.1 Starting relay

Compressor model			MXH230NA
Starting relay	Type		QLZ-16.7A+NTC15
	NTC	Ω	15
	Max. Attracting current	A	16.7
	Min. Release current	A	14.0

8.2 Thermal protector

Compressor model			MXH230NA
Thermal Protector	Model		B240-120
	Max.T.C Amp.(25°C)	A	25.0
	Trip time	S	7.5~16
	Open temp.	±5°C	130
	Close temp.	°C	43~61
	Min. T.C. Amp.(70°C)	A	12.15±15%

Flammability:Anti-flammability

9.Delivery State

No.	Name	Model	Quantity	CODE
1.	Compressor	MXH230NA	1pcs	
2.	<i>MOUNTING ACCESSORIES</i>			
2.1.	Rubber Gasket	CTE938-2B	4 pcs	
2.2.	Mounting Sleeve	CTE943-4/16	4 pcs	
2.3.	Mounting Bolt Assembly	P.14.23.102(M6×35)	4 pcs	
2.4.	Mounting Nut	M6	4 pcs	
2.5.	Capacitance bracket	1151586	1 pcs	
3.	<i>ELECTRICAL ACCESSORIES</i>			
3.1.	Starting Relay	QLZ-16.7A+NTC15	1 pcs	
3.2.	Thermal Protector	B240-120	1 pcs	
3.3.	Running capacitor	25μF	1 pcs	
3.4.	Starting capacitor	88-108μF	1 pcs	

3.5	Screw Assembly	E.14.24.201	1 pcs	
3.6	Terminal Cover	T8500375D	1 pcs	

Notes:1.All electrical parts and equipment assembly are supplied separately, not installed on the compressor.

2.All electrical parts and equipment assembly according to Delivery states are all provided by our company.

10 . Package、Storage and Transportation

Package type	unreusable
Quantity	52 pcs/box
Transportation	By truck or train
Storage	Max. 2 layers
Volume m^3	1.05
Dimension: length×width×height (mm)	830×1120×1130
Main components	Wooden supporter、foam divider、plastic sheet、cardboard cover、wrapping
Movement	Keep the compressor in normal or vertical position (a short time before compressor installed in the refrigerator).
Trans. test requirement	No allowable compressor's damage and performance loss.

11 . Technical Items

1. After pulling off rubber plugs from the compressor tubes, please connect the compressor to the refrigeration system within 5 minutes. It is advisable to take off the first plug from process tube. No dust or humidity in the air is permitted to enter the compressor.
2. Earth connection should be fixed permanently and reliably.
3. The compressor must be mounted horizontally without tilting an angle more than 5° .
4. Maximum operating ambient temperature is at 43°C .
5. When the compressor starts, balance pressure inside refrigeration system must be less than 1.1Mpa (Absolute).
6. The compressor must not be restarted unless at an interval of more than 5 minutes.
7. Please keep the compressor always vertically and never upset it during transportation while avoiding any vibration and shock.
8. Please store the compressor in a dry and ventilated place and keep it away from any humidity.
9. Please follow the transportation warning marks on the package for layer limitation. Do not roll the whole packages when loading or unloading.
10. Storage expiry is 6 months from the date of production. If it expired, please check the nitrogen pressure inside compressor and recharge it when it is necessary.