

Technical Specification

Model:EYK50L

The specification is only for reference.

Edited	Checked	Approved	Edition A
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1.APPLICATION

Refrigerant	R600a	Max.Ambient Temp.	43℃
Application	LBP	Max Condensing Temp.	60℃
Expansion Device	Capillary tube	Max Shell Temp.	95℃
Compressor Cooling	Static	Max Discharge Temp.	100℃
Evaporating Temp.Range	-35℃ to -15℃	Max.Winding Temp.	130℃

2.COMPRESSOR DATA

Compressor Model	EYK50L	Rated Voltage	220-240V
Displacement	5.0cm ³	Voltage Limits	187-254V
Net Weight	5.1±0.3kg	Frequency	50Hz
Oil Type	ISO 5	Motor Type	RSIR
Oil Charge	120±10ml	Motor Insulation Class	B
Viscosity @40℃	4.2~4.8 mm ² /s	Max Start Current	7.08A
		Main Winding Resistance(*)	45.12±10%Ω
		Start Winding Resistance(*)	25.39±10%Ω

(*):measured at 20℃

3.ELECTRICAL COMPONENTS

Motor Protector	BT20-120	PTC Starting Device	QP2-15H
Operation Current (25℃)	2.0A	Normal Resistance	15±20%Ω
Operating Temperature	120±5℃	Operating Time	0.1~3.5s
Reset Temperature	61±9℃	Max. Voltage	350V
Minimum Operating Current(70℃)	0.46~0.76A	Max. Current	8A
		Running Capacitor	NONE

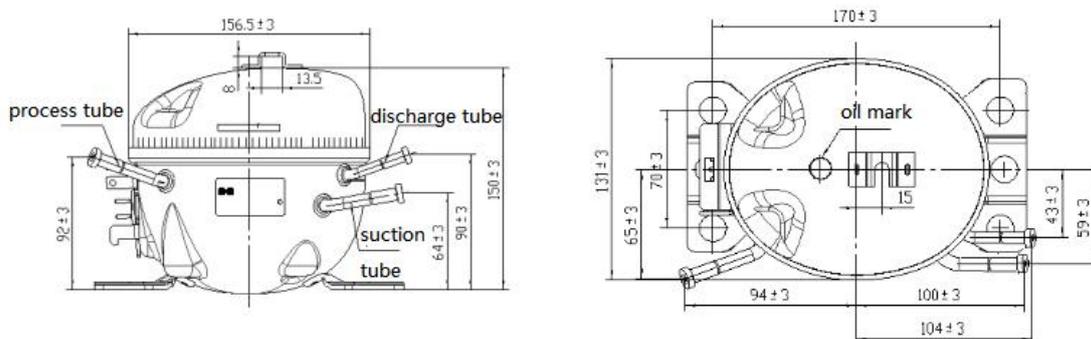
4.PERFORMANCE DATA

Voltage range	Cooling Capacity (W)	Input power(W)	Working Current(A)	COP(W/W)
		≥95%	≤15%	≤110%
220/50	82.0	54.7	0.40	1.50

Test conditions

Evaporating temp: -23.3℃ (-10°F) Condensing temp: 54.4℃ (130°F) Suction temp: 32.2℃ (90°F)
 Sub-cooling temp:32.2℃ (90°F) Ambient temp: 32.2℃ (90°F)

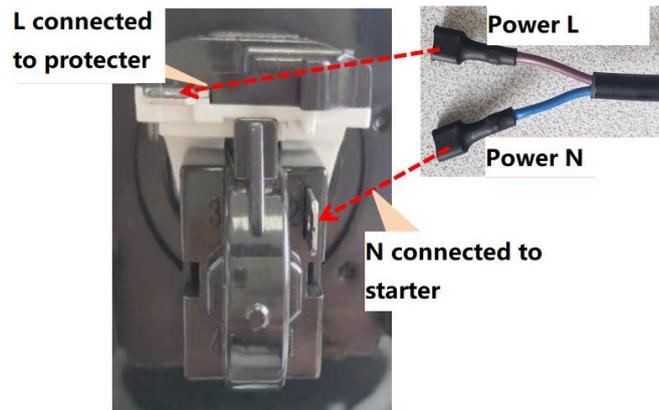
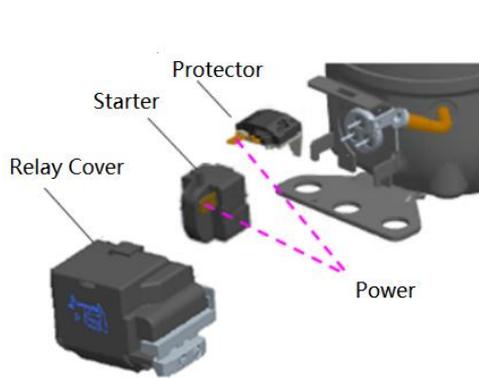
5.COMPRESSOR OUTLINE DRAWING



Height(A)	mm	150±3
Suction tube	I.D. mm	Φ6.15±0.1
Process tube	I.D. mm	Φ6.15±0.1
Discharge tube	I.D. mm	Φ4.15±0.1

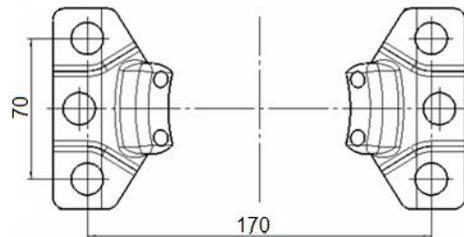
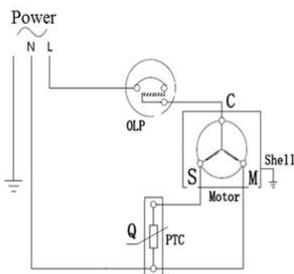
Remark: The interchange between the service tube and suction tube are not allowed

6. ASSEMBLY OF ACCESSORIES COMPONENTS

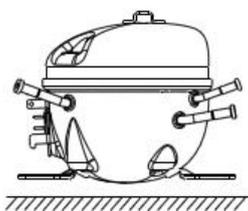


7. WIRE DIAGRAM

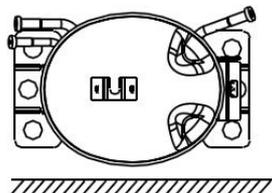
8. MOUNT BRACKET SIZE



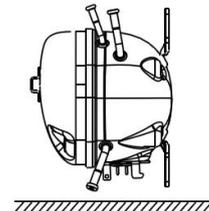
9. TRANSPORT POSITION (IN APPLICATION)



Direction one



Direction two



Direction three

The compressor installed in the later, in the transport process should always keep vertical state, in case of special circumstances must be inverted, recommended the three ways to decorate, give priority to the "direction one", the second is "direction two", the third is "direction three ". But if so and cause other bad situation should have nothing to do with the compressor itself, we shall not bear any responsibilities.



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EYK50L (220-240V~50Hz R600a)

CUSTOMER: BLUEREFF

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10. Delivery list

No.	Name	Specification	Qty	Manufacturer
1	Compressor	EYK50L	1 Pcs	WanBao Group Compressor Co., Ltd.
2	Suction tube cover	Φ8.0 mm	2 Pcs	/
	Process tube cover			
	Discharge tube cover	Φ5.7 mm	1 Pcs	/
3	Starter	QP2-15H	1 Pcs	Guangzhou Senbao Electrical Appliances Co.,Ltd
4	Protector	BT20-120	1 Pcs	Guangzhou Senbao Electrical Appliances Co.,Ltd
5	Relay cover	Y-1	1 Pcs	Jiaying fuxing Manufacturing Co.,Ltd Guangzhou Qianneng Mechanical Manufacture Co.,Ltd Guangzhou Jintao Hardware Manufacturing Co.,Ltd CIXI JINGLIAN ELECTRONIC TECHNOLOGY CO.,LTD
6	Grommet	16.5mm	4 Pcs	
7	Grommet sleeves	16mm	4 Pcs	
8	Install screw	M6*27.5	4 Pcs	
9	Nut	M6	4 Pcs	
10	Ground Screw	M4*8	1 Pcs	

Remark: all electrical components and elements are packed separately and should not be installed directly on the compressor.

Edition:A