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Technical Support and E-Warranty Certificate www.vevor.com/support

Furnace Blower Motor

USE MANUAL

Model: YDK250-6G52\YDK370-6G28\YDK550-6G39

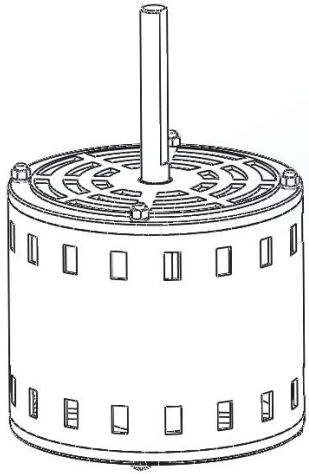
We continue to be committed to provide you tools with competitive price. "Save Half", "Half Price" or any other similar expressions used by us only represents an estimate of savings you might benefit from buying certain tools with us compared to the major top brands and doses not necessarily mean to cover all categories of tools offered by us. You are kindly reminded to verify carefully when you are placing an order with us if you are actually saving half in comparison with the top major brands.

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Please read these operating instructions carefully
before starting to work.

NEED HELP? CONTACT US!

Have product questions? Need technical support? Please feel free to contact us:

CustomerService@vevor.com

This is the original instruction, please read all manual instructions carefully before operating. VEVOR reserves clear interpretation of our user manual. The appearance of the product shall be subject to the product you received. Please forgive us that we won't inform you again if there are any technology or software updates on our product.

SAFETY WARNINGS AND PRECAUTIONS

These motors are only used for air conditioning indoor fans

1. Voltage, frequency and the wiring style should be consistent with the motor nameplate, Power supply voltage should be maintained at plus or minus 5% of the rated operating range.

2. No more than 1000 meters above sea level.

3. Ambient air temperature note exceeding 40℃.

4. The motor must have a good grounding device.

5. The insulation resistance of the 500 volt megohm table winding to the ground must be measured before operation, and its value should be above 200 megohm, otherwise dry.

6. Before starting pull action shaft, it should be flexible rotation, no friction and collisions, running should be smooth and lightly, without stagnation and the noise, if found the strange noise, overheating, burning smell, smoke or slow speed of the phenomenon, should immediately turn off power, shutdown inspection, repair it.

7. The surrounding environment should keep clean and dry and well ventilated.

8. When the motors are not allowed backward in the slow, not frequent start, Capacitor-running motors cannot be long-term light-load use.

9. Check whether the motor fastening is fasten.

10. Check whether the turn is right, if don't, then in accordance with the following methods of grafting.

11. According to the rated motor power continuous operation, the heating part of the maximum permissible temperature rise shall not exceed the following requirements. Winding Temperature rise:75k, Core:75k, Rolling:55k.

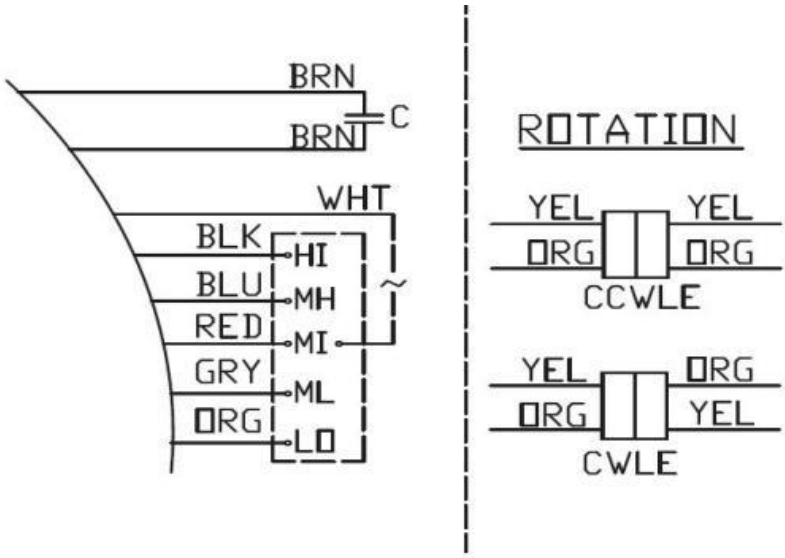
12. Motor Operation Inspection: When the motor is running, it should always pay attention to whether the load data current meets the requirements, whether the bearing has heating and leakage phenomenon, such as abnormal or sound, it should be stopped immediately for inspection. Do not perform startup tests until the fault is confirmed.

TECHNICAL INFO

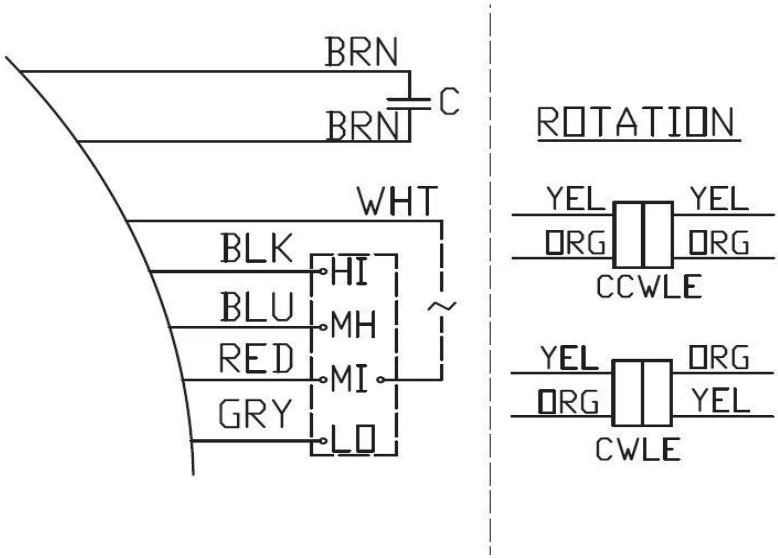
MODEL NO	YDK250-6G52	YDK370-6G28	YDK550-6G39
HORSE POWER	1/3HP	1/2HP	3/4HP
FRAME SIZE	48		
RATED CURRENT	4.4A	2.7A	3.85A
SHAFT LENGTH	5.2"	3.4"	4.8"
SHAFT DIA.	0.5"		
RATED SPEED	1075RPM		
PHASE	Single Phase		
VOLTAGE	110~120v	208~230v	208~230v
FREQUENCY	60Hz		
ROTATION	CCW/CW		
INSULATION CLASS	B		
CLASS OF PROTECTION	IP20		
Service Factor1	1		
Duty Cont	S1		
DES-AMB	40℃		
Protection	Over load Protection with Automatic Reset		
accessories	Hold hoop; Capacitor*1 (CBB65, 5μF/370V)	Hold hoop ; Capacitor*1 (CBB65,7.5μF/ 450V)	Hold hoop ; Capacitor*1 (CBB60, 10μF/450V)

CONNECTION METHOD

5-SPEEDS DIAGRAM



4-SPEEDS DIAGRAM



Note:

1) Please check the wiring carefully to make sure it‘s the same as the wiring diagram on the nameplate.

2) Please connect the power supply correctly according to the wiring diagram.

First of all ,ensure that the motor's ground wire is connected.

A. Two brown wires are connected to the capacitor.

B. The white wire must be connected to the one side of the power, and the wires of other colors are connected to the other side of the power through the speed adjustment switch.

C. The motor is 4-speed or 5-speed, you can choose to connect it to the speed adjustment switch according to your actual needs.

D. To replace the motor rotation, you can change the rotation changer connection as the wiring diagram.

COMMON PROBLEMS AND REMEDIES

Problem1:

When receiving the motor, please check whether the front shaft of the motor can rotate. If you find it impossible to rotate manually. Solution: The concentricity of the motor is damaged during transportation. You can concentric until the shaft of the motor can be turned manually and flexibly.

Problem2:
The motor does not work when it is powered on.
Solution:
1) Please check the power supply to make sure the output voltage is correct.
2) Please check the wiring carefully to ensure that it is consistent with the wiring diagram.

Problem3:
After the motor is powered on, it rotates slowly and cannot be started normally.
Solution:
1) Please check the power supply to make sure the output voltage is correct.

2) Please check the wiring carefully to ensure that it is consistent with the wiring diagram.
3) Check the capacitance of the motor to ensure that the capacitance is in good condition.

Problem4:
After the motor running for a period of time, heats up and stops working.
Solution:
Motor overload operation, with protection function. Please turn off the power and wait half an hour for cooling. Then try again.

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