



YD2 系列变极多速三相异步电动机

YD2 SERIES VARIABLE-POLE
MULTI-SPEED THREE PHASE
ASYNCHRONOUS MOTOR

使用说明书

Operation Manual

安徽皖南电机股份有限公司
Anhui Wannan Electric Machine Co.,Ltd

衷心感谢您选购、使用皖南电机。

在使用电动机之前，请扫码仔细阅读本说明书，以便您正确的使用和维护。

使用说明

1. 电源电压应与电机铭牌规定值相符，接到电机端子处的电压降应低于 2%。
2. 电机接线按铭牌上的规定，分别接成高（中）低速（详见接线盒内的附图）。
3. 电机接线盒内设有接地端子，应可靠接地。
4. 电机安装使用前，用 500V 兆欧表测得其对地绝缘电阻在室温时应不低于 $5M\Omega$ ，否则，需用低于 120°C 的热烘温度烘干后，方可使用。
5. 电机安装后，在启动前，需用手拨动转轴，应灵活转动。
6. 电机空载试转时，若转动方向与要求不符，则将任意两根电源引接线对调即可，（注意：若所配套的主机不允许逆转时，则应将电机转轴与配套主机脱开，进行试转，以保安全）。
7. 电机表面应保持清洁，进风口不应堵塞。
8. 对于存储半年的电动机，建议每隔 2 个月将电机轴旋转 180° ；存储超过半年的，通电运转一段时间，使轴承润滑脂分布均匀。
9. 电机使用的环境最高温度为 40°C ，最低温度不得低于 -15°C ；海拔高度不超过 1000m。
10. 电机必须定期（一般运行 5000h 左右）拆检，清除内部积尘污，清洗轴承，更换轴承中的润滑脂（3# 锂基脂）。全封闭轴承在使用寿命期内可不必更换润滑脂。
11. 电机运行时，若发生异常情况，如怪声、焦味、冒烟等应立即停机检查，待故障清除后，方可使用，常见故障如下：
 - 1) 电机为缺相运转；
 - 2) 电机的电源电压过低或过高，即超出额定电压的 95%-105% 范围。
 - 3) 加在电机端子上的三相电源电压不平衡度超过 5%。
 - 4) 电机在过载下运转。
 - 5) 电机连续起动超过 3 次。
 - 6) 电机通风及冷却效果不良。
 - 7) 电机轴承损坏等。

We are truly grateful for your purchasing of Wannan Motors. Before using the motor, please scan the QR code to read the manual so as to use and maintain the motor in a right way.

1. Check and make sure whether the power supply voltage is consistent with the motor's nameplate or not. The voltage drop on motor terminal should be lower than 2% of the rated voltage.

2. Connect as the connecting diagram, different connection correspond different speed: high (medium) low (see the diagram in the terminal box).

3. There is a grounding terminal in the terminal box, ensure the motor is grounded safely before operation.

4. Measure the insulation resistance of motor with 500V meg-ohmmeter. The value should be no less than 5 MΩ. Otherwise the motor must be dried with the temperature lower than 120℃ .

5. Rotate the shaft with hands; its rotation ought to be flexible and quick.

6. Conduct no-load test operation, and check whether the rotation direction is correct or not. If not, interchange any 2 of the 3 connecting. (Note: If reverse is not allowable for driven machine, the driven machine should be firstly removed from motor shaft before test.)

7. Keep the motor clean and in good ventilation.

8. Turn the shaft by 180° with hand every 2 month for the motor which has been stored half year; the motor need to work for a period of time to make the lubrication grease equidistribution when the motor has been stored longer than half year.

9. Environment temperature should not exceed 40 ℃ . The altitude should be less than 1000 m above sea level.

10. The motor need regular inspection (usually every 5000h operation), clean internal dust pollution, clean bearing, replace the grease in the bearing (3 # lithium base grease is recommended).

11. If abnormal problems are found, like strange sounds, burning smell or smoking, etc, the motor should be stopped immediately. Don't restart the motor until all the problems have been settled. The common faults are as follows:

1) Non-full phase operation

2) Voltage fluctuation of the supplied power exceed the range of 95% ~ 105% the rated voltage.

3) Unbalance of three-phase power supply voltage is more than 5%.

4) Overload operation.

5) Continuously start more than three times

6) Poor ventilation or cooling effect.

7) Bearing damage, etc.

敬告用户：

请您按照本使用说明书的规定，正确地使用和储存电动机，我们将为您提供优质、快捷的服务。

在电动机使用过程中，您如有什么疑惑请与我们联系，我们将及时给予您满意的解答；您有什么良好的建议请向我们提出，以便我们改进，为您提供优质、快捷的服务。

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Dear user,

Please use and store the motor right following the instruction of the manual. We will make our effort to provide you with high-quality and prompt service. Contact us if you had any questions in application, and we will offer you timely and effective resolution; let us know if you had any advices or suggestions, with which we can improve ourselves and make service better. Anhui Wannan Motor Co., Ltd. reserves the right of final interpretation of the user manual. No copy, disclosing or using of the content of this user manual to third parties prior to written permission from Anhui Wannan Motor Co., Ltd.

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