

Electric Motors

Product Introduction

The YZR and YZ series motors are suitable for driving various lifting machinery and metallurgical auxiliary equipment, with high overload capacity and mechanical strength, especially suitable for short-term or intermittent operation, frequent starting, braking, and equipment with vibration and impact. The insulation level of electric motors is divided into two types: F level and H level. Class F is suitable for general locations where the cooling medium temperature does not exceed 40 °C; H-class is suitable for metallurgical sites where the cooling medium temperature does not exceed 60 °C, and both electric motors have the same parameters. Electric motors have good sealing performance, with a protection level of IP44 for general use and IP54 for metallurgical use.

The YZR series is a wound rotor three-phase asynchronous motor, while the YZ series is a squirrel cage rotor three-phase asynchronous motor.

Product Features

1. YZR and YZ series are relatively new designed electric motors with high overload capacity and mechanical strength, which are particularly suitable for driving various types of metallurgy and lifting machinery or other similar equipment.

2. The motor can operate normally under the following environmental conditions:

- ① The temperature of the cooling medium shall not exceed 60 °C (for metallurgical motors) or 40 °C (for lifting motors);
- ② The altitude does not exceed 1000 meters.
- ③ Frequent and significant mechanical vibrations and impacts.

3. The motor can operate normally under the following load conditions: ① Frequent start-up and reversal; ② Frequent electrical or mechanical braking.

4. The rated frequency of the motor is 50 Hz and the rated voltage is 380 volts.

5. Connection method: stator winding with power of 132 kW and less than 132 kW.



YZR series



YZ series

Basic Parameter

Motor Number	Power (JC=25%)	Stator A	Rotor A	Power (JC=40%)	Stator A	Rotor A	Matching resistor model and specifications (RT series - unbalanced resistance)(JC=25%)	Specification of matching resistor type(RT series - unbalanced resistance)(JC=40%)	Matching resistor model and specifications(RS Series-4 Short Cut)(JC=25%)
YZR112M-6	1.8	5	15	1.5	4.8	12	RT52-112M-6/1B	RT54-112M-6/1B	
YZR132M1-6	2.5	6	14	2.2	6.8	12	RT52-132M1-6/1B	RT54-132M1-6/1B	
YZR132M2-6	4	9.5	16	3.7	9	14	RT52-132M2-6/1B	RT54-132M2-6/1B	
YZR160M1-6	6.3	14.5	33	5.5	13	28	RT52-160M1-6/1B	RT54-160M1-6/1B	
YZR160M2-6	8.5	19.5	32	7.5	18	28	RT52-160M2-6/1B	RT54-160Mz-6/1B	RS52-160Mz-6/1B
YZR160L-6	13	28.5	36	11	25	30	RT52-160L-6/2B	RT54-160L-6/2B	RS52-160L-6/2B
YZR180L-6	17	37	53	15	33.5	46	RT52-180L-6/2J(Y)	RT54-180L-6/3J(Y)	RS52-180L-6/3J(Y)
YZR200L-6	26	56	86	22	49	72	RT52-200L-6/3J(Y)	RT54-200L-6/3J(Y)	RS52-200L-6/3J(Y)
YZR225M-6	34	73	89	30	67	78	RT52-225M-6/3J(Y)	RT54-225M-6/3J(Y)	RS52-225M-6/4J(Y)