

Specification of Motor

Electrical Characteristics

1. Type : Condenser-run type (Induction motor)
2. Power source : AC 220 V , 50 /60 Hz
3. Capacitor : 0.6 uF / 450 VAC
4. Number of poles : 4 Poles
5. Characteristics at no load – at the revolving direction of CW.
 - 5-1. Current : 0.09 A \pm 15%
 - 5-2. Input : 18 W \pm 15%
 - 5-3. Revolutions of output shaft : 1,449 rpm
6. Characteristics at rated load
 - 6-1. Current : 0.11 / 0.10 A \pm 15%
 - 6-2. Input : 24 /21 W \pm 15%
 - 6-3. Revolutions of output shaft : 1,250 / 1,550 rpm
 - 6-4. Rated torque : 0.57 / 0.52 Kgf·Cm \pm 15%
 - 6-5. Output : 7.4 / 8.5 W \pm 15%
 - 6-6. Starting torque : 0.5 Kgf·Cm \pm 15%
 - 6-7. Starting current : 0.17 A \pm 15%
7. Dielectric strength
Required to have no defect at 60Hz and 1,800V between winding and case for 1 Sec. (With current of 2mA)
8. Insulation resistance
Required to be measured more than 100M Ω at DC 500V between winding and case.
9. Temperature rise (Resistance method)
 - 9-1. Winding : $\Delta T = 75$ deg Max.
(At continuous rating under rated load, voltage and frequency)
 - 9-2. Protection device : Opening temp : 135 $^{\circ}$ C \pm 5 $^{\circ}$ C
10. Insulation class : Class B
11. Duty : Continuous

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REV. No.	DATE	CHECKED	REVISED DESCRIPTION		
	DESIGNED	CHECKED	APPROVED	NAME	INDUCTION MOTOR
				MODEL No.	6IN6G4H

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12. Lead wire

12-1. Motor : UL 3266 AWG#20 (Black, Red, and Brown)

13. Range of ambient temp. : $-10^{\circ}\text{C} \sim +40^{\circ}\text{C}$

14. Range of ambient humidity : RH 85% Max. (no condensation)

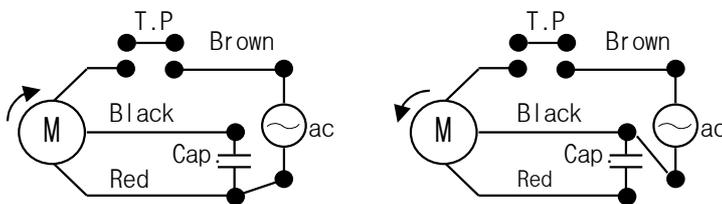
Mechanical Characteristics

1. Vibration of output shaft : Below 0.05mm Max. at a point, 10mm from shaft end.
2. Play of shaft end play : $0 \sim 0.2\text{mm}$
3. Type of bearing : All ball bearings (626ZZ, 626ZZ)
4. Lubrication : For room temperature
5. Vibration : Acc. to the sample agreed between the customer and maker.
6. Audible noise : 65 dB Max. (Measured at a point 50cm in front of a motor by Scale "A" at the rated voltage and no load and a background noise below 25dB.)
7. Cooling fan : Fan attached.
8. Life : 5,000 Hr (Only for motor)
At normal load below room temperature and humidity and permissible torque
9. Appearance : Required to have no scratch seen.
10. Dimensions : A01-0280

Other Specifications

1. Material of shaft : S45C (Hobbed by Module M0.5)

Wiring



NAME

INDUCTION MOTOR

MODEL No.

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