

3IK15GN-A

Series: K Series



Motor
3IK15GN-A



Gear Box
3GN3K

勝特力材料 886-3-5753170
 勝特力电子(上海) 86-21-34970699
 勝特力电子(深圳) 86-755-83298787
[Http://www.100y.com.tw](http://www.100y.com.tw)

Option: P

P: Contains a built-in thermal protector. When a motor overheats for any reason, the thermal protector is opened and the motor stops, and the power supply to the electromagnetic brake is kept and the brake is released. When the motor temperature drops, the thermal protector closes and the motor restarts. Be sure to turn the motor off before inspecting.

Motor Specifications

Frame size [mm]	Wiring Type	Output Power [W]	Voltage [V]	Frequency [Hz]	Current [A]	Starting Torque [Kgfc]	Rated Torque [Kgfc]	Rated Speed [r/min]	Capacitor [μF]
70	Lead wire	15	Single-phase 100	50	0.36	0.54	0.82	1300	4
70	Lead wire	15	Single-phase 110	60	0.33	0.64	0.88	1600	4

Gear Box Specifications

Gear Type	Gear Ratio	Direction of Rotation	Frequency [Hz]	Speed [r/min]	Permissible Torque [Kgfc]	Permissible Overhung Load		Permissible Thrust Load [Kgfc]
						From the tip of the shaft 10mm [Kgfc]	From the tip of the shaft 20mm [Kgfc]	
Parallel Shaft	3	Same direction as the motor shaft	50	500	1.99	8	12	4
Parallel Shaft	3	Same direction as the motor shaft	60	600	2.13	8	12	4

- The speed is calculated by dividing the motor's synchronous speed (50 Hz: 1500 r/min, 60 Hz: 1800 r/min) by the gear ratio. The actual speed is 2 to 20% less than the displayed value, depending on the size of the load.
- The actual speed is 2 to 20% less than the displayed value, depending on the size of the load.

Motor General Specifications

Insulation Resistance	100M ohms or more when measured by a 500 VDC megger between the windings and the frame after rated motor operation under normal ambient temperature and humidity.
Dielectric Strength	Sufficient to withstand 1.5 kV at 50 Hz and 60 Hz applied between the windings and the frame for 1minute after rated motor operation under normal ambient temperature and humidity.
Temperature Rise	144°F (80°C) or less in the coil, as measured by the resistance change method after rated operation with a gearhead installed.
Insulation Class	Class F (302°F [150°C])
Overheat Protection	Built-in thermal protector (automatic return type) Open: 266°F ± 9°F (130°C ± 5°C) Close: 179.6°F ± 27°F (82°C ± 15°C)
Ambient Temperature	14°F ~ 104°F (-10°C ~ +40°C) (nonfreezing)
Ambient Humidity	85% maximum (noncondensing)

勝特力材料 886-3-5753170
勝特力电子(上海) 86-21-34970699
勝特力电子(深圳) 86-755-83298787
[Http://www.100y.com.tw](http://www.100y.com.tw)