

• General specifications for Eiko Motors

Item	Specifications
Insulation Resistance	100 MΩ or more when 500 VDC is applied between the windings and the frame
Dielectric Strength	Sufficient to withstand 1.5 kV at 50/60 Hz applied between the windings and the frame for 1 min
Temperature Rise	Temperature rise of windings should be lower than 80°C (60°C with fan)
Insulation Class	Class B (130°C)
Overheat Protection	Build in Thermal Protector (automatic return); Class B (O: 120±5°C, C: 75±15°C)
Ambient Temperature	14°F-104°F (-10°~+40°) [three phase: 14°F-122°F (-10°~+50°)] (Non freezing)
Ambient Humidity	85% or less (Non Condensing)
Degree of Protection	Lead wire type: IP20; Terminal Box Type: IP54

Notes: Above specifications is for motor operated under normal ambient temperature and humidity conditions

• Permissible load for round shaft motors and permissible load inertia at the motor shaft

Frame Size	Shaft Diameter mm	Permissible Hung Load (from end of shaft)				Permissible Hung Inertia at the Motor Shaft	
		10mm		20mm		J (x10 kg.m ²)	GD (kg.m ²)
		lb	N	lb	N		
□60	6	11.2	50	18	80	0.062	0.25

Permissible thrust load. Avoid thrust load as much as possible to keep it no more than half the motor weight

• Permissible load for Eiko Gearheads

Frame Size	Gear Ratio	Maximum Permissible Torque		Permissible Overhung Load (from end of shaft)				Permissible Thrust Load	
				10mm		20mm			
		lb-in	N.m	lb	N	lb	N	lb	N
□60mm □2.3"	3 - 18 25 - 200	26	3	11.2 27.0	50 120	18 40	80 180	67	30

• Heat Radiation Plate Dimension (Material: Aluminium) : 135 x 135 (for 25W motor)

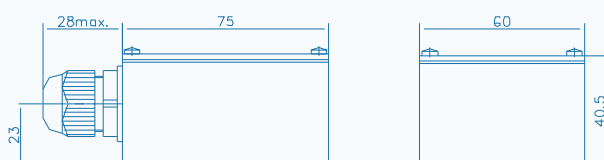
• Product Number Codes for Motors:

2	I	K	6	R	GN	C	F
Frame Size 2: 60mm 3: 70mm 4: 80mm 5: 90mm 6: 100mm	Motor Type I: Induction R: Reversible T: Torque	Series K: k series	Power 6 = 6W	Control R: speed control motor	Shaft A: round w/flat A1: round w/keyway GN: Normal Pinion GU: Enhanced Pinion	Voltage & Poles A: Single Phase 100~120V AC, 4P B: Single Phase 100~120V AC, 2P C: Single Phase 220~240V AC, 4P D: Single Phase 220~240V AC, 2P S: Three Phase 220~240V AC, 4P T: Three Phase 220~240V AC, 2P S3: Three Phase 380~415V AC, 4P T3: Three Phase 380~415V AC, 2P	Accessory F: W/Fan FF: W/forced Fan M: W/Brake T: W/Terminal Box

• Product Number Codes for Gearheads:

2	GN	50	K
Frame Size 2: 60mm 3: 70mm 4: 80mm 5: 90mm 6: 100mm	Gear Type GN: Normal Gear GU: Enhanced Gear	Gear Ratio 50 = 50:1	Bearing K: Normal Ball Bearing KB: Enhanced for GU Type B: Sleeve Bearing

• Terminal Boxes:



RELIABLE BEARINGS AND AUTOMATION

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