

ESM SERIES SERVO MOTOR



The ESM series brushless servomotor with permanent magnet is designed and manufactured for most of industrial applications, which will require high performance, fast dynamic response, good reliability, and free maintenance.

The ESM servomotor is made use of new advanced material such as Neodymium Iron, Boron Magnet, low loss Silicon Steel Sheet, to ensure excellent performances as including of :

- HIGH POWER DENSITY WITH LOW OVERALL DIMENSIONS
- HIGH OVERLOAD CAPABILITY
- LOW MOMENT OF ROTOR INERTIA, PERFORM VERY HIGH DYNAMIC RESPONSE
- LOW WEIGHT
- SINUSOIDAL B.E.M.F.
- LOW COGGING TORQUE
- HIGH ACCURACY

GENERAL SPECIFICATION :

- INSULATION CLASS OF STATOR WINDING : F
- INSULATION VOLTAGE : 1500Vrms/MIN
- INSULATION RESISTANCE : ABOVE 500VDC 10M Ω
- PROTECTION LEVEL : IP55
- OPERATING AMBIENT ENVIRONMENT : 0~40 $^{\circ}$ C · 90%RH · NON-CONDENSING
- STORAGE AMBIENT ENVIRONMENT : -20 $^{\circ}$ C ~ 60 $^{\circ}$ C · 90%RH · NON-CONDENSING
- VIBRATION CLASS : BELOW 1.8mm/S
- MOUNTING : B5 (FLANGE MOUNTING)
- FEEDBACK SYSTEM : ENCODER
+5V · LINE DRIVER · 2500PPR WITH U.V.W COMMUTATION SIGNALS
- CONNECTOR & CABLE :
FRAME 60 · 85 : FLYING LEADS
FRAME 125 / 145 : CONNECTOR
FRAME 190 : MOTOR (TERMINAL BOX)
ENCODER (CONNECTOR)
- OVER TEMPERATURE PROTECTION : THERMO-SWITCH

OPTIONS :

- BRAKE
- RESOLVER
- IP65 PROTECTION
- OIL SEAL
- SPECIAL K_e · K_t
- SPECIAL FLANGE, SHAFT
- CABLE FOR MOTOR · ENCODER.....ETC
- CONNECTOR FOR FRAME 60 · 85
- GEARBOX