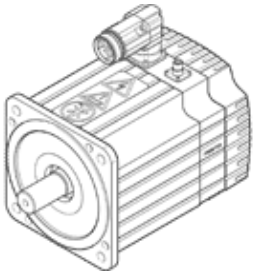
servo motor
EMMS-AS-190-S-HS-AS

Part number: 1584908
Product to be discontinued

Without gear unit.



Data sheet

Feature	Value
Ambient temperature	-10 ... 40 °C
Storage temperature	-20 ... 60 °C
Relative air humidity	0 - 90 %
Conforms to standard	IEC 60034
Insulation protection class	F
Rating class according to EN 60034-1	S1
Temperature monitoring	PTC resistor
Protection class	IP54
Electrical connector system	Plug
Materials note	Conforms to RoHS
Corrosion resistance classification CRC	2 - Moderate corrosion stress
PWIS conformity	VDMA24364-B2-L
Authorisation	RCM Mark c UL us - Recognized (OL)
CE mark (see declaration of conformity)	to EU directive for EMC to EU directive low-voltage devices in accordance with EU RoHS directive
UKCA marking (see declaration of conformity)	To UK instructions for electrical equipment To UK instructions for EMC To UK RoHS instructions
Nominal operating voltage DC	565 V
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Type of winding switch	Star inside
Number of pole pairs	6
Standstill torque	26.2 Nm
Nominal torque	17.47 Nm
Peak torque	80 Nm
Nominal rotary speed	3,000 1/min
Max. speed	5,300 1/min
Nominal motor power	5,490 W
Nominal motor current	14.43 A
Peak current	77.2 A
Motor constant	1.211 Nm/A
Voltage constant, phase-to-phase	75.4 mVmin
Phase-phase winding resistance	0.283 Ohm
Phase-phase winding inductance	3.07 mH
Overall mass moment of inertia at power take-off	51.9 kgcm2
Product weight	20,860 g
Permissible axial shaft load	250 N
Permissible radial shaft load	940 N
Rotor position sensor	Absolute single turn encoder
Rotary position encoder interface	EnDat 21
Rotary position encoder measuring principle	Inductive
Rotor position encoder resolution	18 Bit
MTTF, subcomponent	76 years, rotary position encoder
MTTFd, subcomponent	152 years, rotary position encoder
Energy efficiency	ENEFF (CN) / Class 2