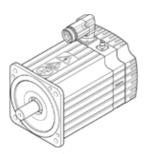
## servo motor EMMS-AS-190-M-HS-AS Part number: 1584934 Product to be discontinued

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	IP65	
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	
Nominal voltage DC	565 V	
Type of winding switch	Star inside	
Number of pole pairs	6	
Standstill torque	38.77 Nm	
Nominal torque	22.63 Nm	
Peak torque	120 Nm	
Nominal rotary speed	2,900 1/min	
Max. speed	4,060 1/min	
Nominal motor power	6,880 W	
Nominal motor current	14.24 A	
Peak current	88.2 A	
Motor constant	1.589 Nm/A	
Voltage constant, phase-to-phase	98.6 mVmin	
Phase-phase winding resistance	0.265 Ohm	
Phase-phase winding inductance	3.38 mH	
Overall mass moment of inertia at power take-off	76.8 kgcm2	
Product weight	26,860 g	
Permissible axial shaft load	250 N	
Permissible axial shaft load	1,080 N	
Rotor position sensor	Absolute single turn encoder	
Rotary position encoder interface	EnDat 22	
Rotary position encoder measuring principle	Inductive	
Rotary position encoder measuring principle  Rotor position encoder resolution	18 Bit	
MTTF, subcomponent	76 years, rotary position encoder	
•		
MTTFd, subcomponent	152 years, rotary position encoder ENEFF (CN) / Class 2	
Energy efficiency	ENEFF (CN) / Class 2	