SIEMENS

SIMOTICS M-1FE1 synchronous built-in motor

Article No. : **1FE1113-6WU11-6BA0**



Figure similar

Client order no. :
Order no. :
Offer no. :
Remarks :

Item no. :
Consignment no. :
Project :

Engineering data	
Rated power	33.0 kW
Rated speed	2,100 rpm
Rated torque	150.0 Nm
Rated current	60 A
Static torque	150.00 Nm
Static current	60.00 A
Maximum speed	6,500 rpm
Maximum torque	248.0 Nm
Maximum current	124 A
Rotor moment of inertia	470.0 kgcm²
VPM module *	Voltage limitation required (VPM or IVP), if the motor is used above n_max_inv (maximum permissible speed without VPM)

Physical constants	
Voltage constant at 20° C	175.0 V/1000*min⁻¹
Winding resistance at 20° C	0.1550 Ω
Rotary field inductance	5.64 mH
Thermal time constant	4 min
Net weight of rotor	9.7 kg
Net weight of stator	43.0 kg
Total net weight	52.7 kg

Mechanical data	
Motor length	260 mm
Outer diameter stator	250.0 mm
Inner diameter rotor	120.0 mm
Stator design	with cooling jacket
Rotor design	without rotor sleeve
Motor protection	Cast winding with standard protection (2 temperature sensors)
Temperature monitoring	Pt1000 temperature sensor in the stator winding
Cable outlet	free cable ends 1500 mm (cable outlet at the larger outside housing diameter)
Scope of delivery	Stator + Rotor

* VPM: Voltage Protection Module