

SIEMENS

SIMOTICS M-1FE1 synchronous built-in motor



Figure similar

MLFB-Ordering data1FE1145-8WS11-6BC2

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

Item no. :
Consignment no. :
Project :

Engineering data		Mechanical data	
Rated power	67.4 kW	Motor length	390 mm
Rated speed	1100 rpm	Outer diameter stator	310.0 mm
Rated torque	585.0 Nm	Inner diameter rotor	150.3 mm
Rated current	130 A	Stator design	with cooling jacket
Static torque	585.00 Nm	Rotor design	with rotor sleeve (large bore diameter)
Static current	130.00 A	Motor protection	Cast winding with standard protection (2 temperature sensors)
Maximum speed	5000 rpm	Temperature monitoring	Pt1000 temperature sensor in the stator winding
Maximum torque	930.0 Nm	Cable outlet	Free cable ends 500 mm (cable outlet at the larger outside housing diameter)
Maximum current	260 A	Scope of delivery	Stator + Rotor
Rotor moment of inertia	2163.6 kgcm ²		
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	290.0 V/1000*min ⁻¹		
Winding resistance at 20° C	0.0930 Ω		
Rotary field inductance	3.20 mH		
Thermal time constant	4 min		
Net weight of rotor	28.3 kg		
Net weight of stator	96.0 kg		
Total net weight	124.3 kg		

* VPM: Voltage Protection Module