

SIEMENS

SIMOTICS M-1FE1 synchronous built-in motor



Figure similar

MLFB-Ordering data1FE1114-6WR11-6BB3

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

Item no. :
Consignment no. :
Project :

Engineering data		Mechanical data	
Rated power	41.9 kW	Motor length	310 mm
Rated speed	2000 rpm	Outer diameter stator	250.0 mm
Rated torque	200.0 Nm	Inner diameter rotor	82.0 mm
Rated current	108 A	Stator design	with cooling jacket
Static torque	200.00 Nm	Rotor design	with standard rotor sleeve (compatible with 1PH2)
Static current	108.00 A	Motor protection	Cast winding with standard protection (2 temperature sensors)
Maximum speed	6500 rpm	Temperature monitoring	Pt1000 temperature sensor in the stator winding
Maximum torque	330.0 Nm	Cable outlet	free cable ends 500 mm (cable outlet at the smaller outside housing diameter)
Maximum current	216 A	Scope of delivery	Stator + Rotor
Rotor moment of inertia	984.3 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	132.0 V/1000*min ⁻¹		
Winding resistance at 20° C	0.0600 Ω		
Rotary field inductance	2.80 mH		
Thermal time constant	4 min		
Net weight of rotor	24.9 kg		
Net weight of stator	54.0 kg		
Total net weight	78.9 kg		

* VPM: Voltage Protection Module