

SIEMENS

SIMOTICS M-1FE1 synchronous built-in motor

No image
available for this
configuration.

MLFB-Ordering data1FE1114-6WR11-1BB2

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		
Maximum speed	6500 rpm	Motor protection	Cast winding with standard protection (2 temperature sensors)
Maximum torque	330.0 Nm		
Maximum current	216 A	Temperature monitoring	KTY84 temperature sensor in the stator winding
Rotor moment of inertia	984.3 kgcm²		
VPM module *	Voltage limitation required (VPM or IVP)	Cable outlet	Free cable ends 500 mm (cable outlet at the larger outside housing diameter)
Physical constants		Scope of delivery	Stator + Rotor
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

