

SIEMENS

SIMOTICS M-1FE1 synchronous built-in motor



Figure similar

MLFB-Ordering data

1FE1114-6WT11-1BB2

Client order no. :

Order no. :

Offer no. :

Remarks :

Item no. :

Consignment no. :

Project :

Engineering data		Mechanical data	
Rated power	29.3 kW	Motor length	310 mm
Rated speed	1400 rpm	Outer diameter stator	250.0 mm
Rated torque	200.0 Nm	Inner diameter rotor	82.0 mm
Rated current	84 A	Stator design	with cooling jacket
Static torque	200.00 Nm	Rotor design	with standard rotor sleeve (compatible with 1PH2)
Static current	84.00 A	Motor protection	Cast winding with standard protection (2 temperature sensors)
Maximum speed	6500 rpm	Temperature monitoring	KTY84 temperature sensor in the stator winding
Maximum torque	330.0 Nm	Cable outlet	Free cable ends 500 mm (cable outlet at the larger outside housing diameter)
Maximum current	168 A	Scope of delivery	Stator + Rotor
Rotor moment of inertia	984.3 kgcm ²		
VPM module *	Voltage limitation required (VPM or IVP)		
Physical constants			
Voltage constant at 20° C	170.0 V/1000*min ⁻¹		
Winding resistance at 20° C	0.0950 Ω		
Rotary field inductance	4.20 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