

SIEMENS

SIMOTICS M-1FE1 synchronous built-in motor



Figure similar

MLFB-Ordering data

1FE1082-6WQ11-1BD2

Client order no. :

Order no. :

Offer no. :

Remarks :

Item no. :

Consignment no. :

Project :

Engineering data		Mechanical data	
Rated power	29.3 kW	Motor length	195 mm
Rated speed	4300 rpm	Outer diameter stator	190.0 mm
Rated torque	65.0 Nm	Inner diameter rotor	80.0 mm
Rated current	60 A	Stator design	with cooling jacket
Static torque	65.00 Nm	Rotor design	with rotor sleeve (large bore diameter)
Static current	60.00 A	Motor protection	Cast winding with standard protection (2 temperature sensors)
Maximum speed	9000 rpm	Temperature monitoring	KTY84 temperature sensor in the stator winding
Maximum torque	107.0 Nm	Cable outlet	Free cable ends 500 mm (cable outlet at the larger outside housing diameter)
Maximum current	120 A	Scope of delivery	Stator + Rotor
Rotor moment of inertia	0.01604 kgcm ²		
VPM module *	Voltage limitation required (VPM or IVP)		
Physical constants			
Voltage constant at 20° C	75.0 V/1000*min ⁻¹		
Winding resistance at 20° C	0.1300 Ω		
Rotary field inductance	2.00 mH		
Thermal time constant	2 min		
Net weight of rotor	6.1 kg		
Net weight of stator	12.0 kg		
Total net weight	18.1 kg		

* VPM: Voltage Protection Module