

SIEMENS

SIMOTICS M-1FE1 synchronous built-in motor



Figure similar

MLFB-Ordering data

1FE1092-6WN30-1BB0

Client order no. :

Order no. :

Offer no. :

Remarks :

Item no. :

Consignment no. :

Project :

Engineering data		Mechanical data	
Rated power	24.2 kW	Motor length	200 mm
Rated speed	3500 rpm	Outer diameter stator	205.0 mm
Rated torque	66.0 Nm	Inner diameter rotor	67.0 mm
Rated current	58 A	Stator design	with cooling jacket
Static torque	66.00 Nm	Rotor design	with standard rotor sleeve (compatible with 1PH2)
Static current	58.00 A	Motor protection	Cast winding with full protection (2 temperature sensors + 3 PTCs)
Maximum speed	7000 rpm	Temperature monitoring	KTY84 temperature sensor in the stator winding
Maximum torque	105.0 Nm	Cable outlet	free cable ends 1500 mm (cable outlet at the larger outside housing diameter)
Maximum current	116 A	Scope of delivery	Stator + Rotor
Rotor moment of inertia	239.8 kgcm ²		
VPM module *	no voltage limitation required		
Physical constants			
Voltage constant at 20° C	80.0 V/1000*min ⁻¹		
Winding resistance at 20° C	0.1300 Ω		
Rotary field inductance	2.30 mH		
Thermal time constant	3 min		
Net weight of rotor	9.1 kg		
Net weight of stator	21.0 kg		
Total net weight	30.1 kg		

* VPM: Voltage Protection Module