

SIEMENS

SIMOTICS M-1FE1 synchronous built-in motor



Figure similar

MLFB-Ordering data

1FE1114-6WW11-1BC2

Client order no. :

Order no. :

Offer no. :

Remarks :

Item no. :

Consignment no. :

Project :

Engineering data

Rated power	20.9 kW
Rated speed	1000 rpm
Rated torque	200.0 Nm
Rated current	58 A
Static torque	200.00 Nm
Static current	58.00 A
Maximum speed	6000 rpm
Maximum torque	330.0 Nm
Maximum current	116 A
Rotor moment of inertia	865.0 kgcm ²
VPM module *	Voltage limitation required (VPM or IVP)

Physical constants

Voltage constant at 20° C	245.0 V/1000*min ⁻¹
Winding resistance at 20° C	0.2000 Ω
Rotary field inductance	9.40 mH
Thermal time constant	4 min
Net weight of rotor	19.6 kg
Net weight of stator	54.0 kg
Total net weight	73.6 kg

Mechanical data

Motor length	310 mm
Outer diameter stator	250.0 mm
Inner diameter rotor	102.0 mm
Stator design	with cooling jacket
Rotor design	with rotor sleeve (large bore diameter)
Motor protection	Cast winding with standard protection (2 temperature sensors)
Temperature monitoring	KTY84 temperature sensor in the stator winding
Cable outlet	Free cable ends 500 mm (cable outlet at the larger outside housing diameter)
Scope of delivery	Stator + Rotor

* VPM: Voltage Protection Module