

SIEMENS

SIMOTICS M-1FE1 synchronous built-in motor



Figure similar

MLFB-Ordering data

1FE1054-6WN10-1BA0

Client order no. :

Order no. :

Offer no. :

Remarks :

Item no. :

Consignment no. :

Project :

Engineering data

Rated power	23.0 kW
Rated speed	6000 rpm
Rated torque	37.0 Nm
Rated current	60 A
Static torque	37.00 Nm
Static current	60.00 A
Maximum speed	12000 rpm
Maximum torque	74.0 Nm
Maximum current	120 A
Rotor moment of inertia	38.0 kgcm ²
VPM module *	no voltage limitation required

Physical constants

Voltage constant at 20° C	44.0 V/1000*min ⁻¹
Winding resistance at 20° C	0.1350 Ω
Rotary field inductance	1.10 mH
Thermal time constant	2 min
Net weight of rotor	4.3 kg
Net weight of stator	10.0 kg
Total net weight	14.3 kg

Mechanical data

Motor length	320 mm
Outer diameter stator	115.0 mm
Inner diameter rotor	42.0 mm
Stator design	with cooling jacket
Rotor design	without rotor sleeve
Motor protection	Cast winding with standard protection (2 temperature sensors)
Temperature monitoring	KTY84 temperature sensor in the stator winding
Cable outlet	free cable ends 1500 mm (cable outlet at the larger outside housing diameter)
Scope of delivery	Stator + Rotor

* VPM: Voltage Protection Module