

MLFB-Ordering data

1FE1094-4WL11-1BA0



Figure similar

Client order no. :

Order no. :

Offer no. :

Remarks :

Item no. :

Consignment no. :

Project :

Engineering data		Mechanical data	
Rated power	40.0 kW	Motor length	300 mm
Rated speed	3800 rpm	Outer diameter stator	205.0 mm
Rated torque	100.0 Nm	Inner diameter rotor	72.0 mm
Rated current	90 A	Stator design	with cooling jacket
Static torque	100.00 Nm	Rotor design	without rotor sleeve
Static current	90.00 A	Motor protection	Cast winding with standard protection (2 temperature sensors)
Maximum speed	18000 rpm	Temperature monitoring	KTY84 temperature sensor in the stator winding
Maximum torque	160.0 Nm	Cable outlet	free cable ends 1500 mm (cable outlet at the larger outside housing diameter)
Maximum current	180 A	Scope of delivery	Stator + Rotor
Rotor moment of inertia	216.8 kgcm ²		
VPM module *	Voltage limitation required (VPM or IVP)		
Physical constants			
Voltage constant at 20° C	76.0 V/1000*min ⁻¹		
Winding resistance at 20° C	0.0800 Ω		
Rotary field inductance	3.60 mH		
Thermal time constant	3 min		
Net weight of rotor	9.6 kg		
Net weight of stator	40.5 kg		
Total net weight	50.1 kg		

* VPM: Voltage Protection Module