

MLFB-Ordering data

1FE1084-4WP51-1BA0



Figure similar

Client order no. :

Order no. :

Offer no. :

Remarks :

Item no. :

Consignment no. :

Project :

Engineering data		Mechanical data	
Rated power	35.0 kW	Motor length	290 mm
Rated speed	4300 rpm	Outer diameter stator	180.0 mm
Rated torque	78.0 Nm	Inner diameter rotor	68.0 mm
Rated current	79 A	Stator design	with cooling jacket
Static torque	78.00 Nm	Rotor design	without rotor sleeve
Static current	79.00 A	Motor protection	Cast winding with universal protection (2 temperature sensors + 3 PTCs + NTC PT3-51F + NTC K227)
Maximum speed	20000 rpm	Temperature monitoring	KTY84 temperature sensor in the stator winding
Maximum torque	140.0 Nm	Cable outlet	free cable ends 1500 mm (cable outlet at the larger outside housing diameter)
Maximum current	160 A	Scope of delivery	Stator + Rotor
Rotor moment of inertia	111.8 kgcm ²		
VPM module *	Voltage limitation required (VPM or IVP)		
Physical constants			
Voltage constant at 20° C	70.0 V/1000*min ⁻¹		
Winding resistance at 20° C	0.0850 Ω		
Rotary field inductance	3.00 mH		
Thermal time constant	3 min		
Net weight of rotor	6.2 kg		
Net weight of stator	25.0 kg		
Total net weight	31.2 kg		

* VPM: Voltage Protection Module