

MLFB-Ordering data

1FE1116-6WT51-1BC0



Figure similar

Client order no. :

Order no. :

Offer no. :

Remarks :

Item no. :

Consignment no. :

Project :

Engineering data		Mechanical data	
Rated power	28.3 kW	Motor length	410 mm
Rated speed	900 rpm	Outer diameter stator	250.0 mm
Rated torque	300.0 Nm	Inner diameter rotor	102.0 mm
Rated current	84 A	Stator design	with cooling jacket
Static torque	300.00 Nm	Rotor design	with rotor sleeve (large bore diameter)
Static current	84.00 A	Motor protection	Cast winding with universal protection (2 temperature sensors + 3 PTCs + NTC PT3-51F + NTC K227)
Maximum speed	5500 rpm	Temperature monitoring	KTY84 temperature sensor in the stator winding
Maximum torque	500.0 Nm	Cable outlet	free cable ends 1500 mm (cable outlet at the larger outside housing diameter)
Maximum current	168 A	Scope of delivery	Stator + Rotor
Rotor moment of inertia	1244.5 kgcm ²		
VPM module *	Voltage limitation required (VPM or IVP)		
Physical constants			
Voltage constant at 20° C	256.0 V/1000*min ⁻¹		
Winding resistance at 20° C	0.1250 Ω		
Rotary field inductance	6.80 mH		
Thermal time constant	4 min		
Net weight of rotor	28.2 kg		
Net weight of stator	73.0 kg		
Total net weight	101.2 kg		

* VPM: Voltage Protection Module