

Article No. : 1FE1075-4WQ51-6BA3



Figure similar

Client order no. :
Order no. :
Offer no. :
Remarks :

Item no. :
Consignment no. :
Project :

Engineering data	
Rated power	23.6 kW
Rated speed	3,000 rpm
Rated torque	75.0 Nm
Rated current	51 A
Static torque	75.00 Nm
Static current	51.00 A
Maximum speed	14,000 rpm
Maximum torque	135.0 Nm
Maximum current	105 A
Rotor moment of inertia	74.1 kgcm ²
VPM module *	Voltage limitation required (VPM or IVP), if the motor is used above n_max_inv (maximum permissible speed without VPM)

Physical constants	
Voltage constant at 20° C	100.0 V/1000*min ⁻¹
Winding resistance at 20° C	0.2400 Ω
Rotary field inductance	5.80 mH
Thermal time constant	2 min
Net weight of rotor	5.5 kg
Net weight of stator	23.0 kg
Total net weight	28.5 kg

Mechanical data	
Motor length	335 mm
Outer diameter stator	155.0 mm
Inner diameter rotor	58.0 mm
Stator design	with cooling jacket
Rotor design	without rotor sleeve
Motor protection	Cast winding with universal protection (2 temperature sensors + 3 PTCs + NTC PT3-51F + NTC K227)
Temperature monitoring	Pt1000 temperature sensor in the stator winding
Cable outlet	free cable ends 500 mm (cable outlet at the smaller outside housing diameter)
Scope of delivery	Stator + Rotor

* VPM: Voltage Protection Module