



1FK7101-3BF71-1QG2

Remarks :

Torque constant	1.44 Nm/A
Voltage constant at 20° C	92.5 V/1000*min ⁻¹
Winding resistance at 20° C	0.14 Ω
Rotating field inductance	3.5 mH
Electrical time constant	25.00 ms
Mechanical time constant	2.61 ms
Thermal time constant	60 min
Shaft torsional stiffness	164000 Nm/rad
Net weight of the motor	25.7 kg



MLFB-Ordering data 1FK7101-3BF71-1QG2

Optimum operating point		Recommended Motor Module	
Optimum speed	3000 rpm	Rated inverter current	18 A
Optimum power	4.8 kW	Maximum inverter current	54 A
Limiting data		Maximum torque	72.00 Nm
Max. permissible speed (mech.)	5000 rpm		
Max. permissible speed (inverter)	5000 rpm		
Maximum torque	80.0 Nm		
Maximum current	63.0 A		