



1FK7083-2AF71-1CG1

Remarks :

Torque constant	1.58 Nm/A
Voltage constant at 20° C	102.5 V/1000*min ⁻¹
Winding resistance at 20° C	0.38 Ω
Rotating field inductance	7.0 mH
Electrical time constant	18.60 ms
Mechanical time constant	1.18 ms
Thermal time constant	50 min
Shaft torsional stiffness	101000 Nm/rad
Net weight of the motor	15.6 kg



MLFB-Ordering data 1FK7083-2AF71-1CG1

Optimum operating point		Recommended Motor Module	
Optimum speed	3000 rpm	Rated inverter current	9 A
Optimum power	3.3 kW	Maximum inverter current	27 A
Limiting data		Maximum torque	40.00 Nm
Max. permissible speed (mech.)	6000 rpm		
Max. permissible speed (inverter)	5600 rpm		
Maximum torque	50.0 Nm		
Maximum current	37.0 A		