



1FK7081-2AH74-1SG2

Remarks :

Torque constant	0.92 Nm/A
Voltage constant at 20° C	59.0 V/1000*min ⁻¹
Winding resistance at 20° C	0.19 Ω
Rotating field inductance	3.4 mH
Electrical time constant	17.90 ms
Mechanical time constant	1.36 ms
Thermal time constant	45 min
Shaft torsional stiffness	109000 Nm/rad
Net weight of the motor	12.9 kg



MLFB-Ordering data 1FK7081-2AH74-1SG2

Optimum operating point		Recommended Motor Module	
Optimum speed	3000 rpm	Rated inverter current	18 A
Optimum power	2.8 kW	Maximum inverter current	54 A
Limiting data		Maximum torque	37.00 Nm
Max. permissible speed (mech.)	6000 rpm		
Max. permissible speed (inverter)	6000 rpm		
Maximum torque	37.0 Nm		
Maximum current	45.0 A		