



1FK7042-2AF71-1CG2

Remarks :

Torque constant	1.38 Nm/A
Voltage constant at 20° C	90.0 V/1000*min ⁻¹
Winding resistance at 20° C	4.67 Ω
Rotating field inductance	35.0 mH
Electrical time constant	7.50 ms
Mechanical time constant	2.15 ms
Thermal time constant	30 min
Shaft torsional stiffness	15500 Nm/rad
Net weight of the motor	4.6 kg



Figure similar

MLFB-Ordering data 1FK7042-2AF71-1CG2

Optimum operating point		Recommended Motor Module	
Optimum speed	3000 rpm	Rated inverter current	3 A
Optimum power	0.8 kW	Maximum inverter current	9 A
Limiting data		Maximum torque	10.50 Nm
Max. permissible speed (mech.)	9000 rpm		
Max. permissible speed (inverter)	6400 rpm		
Maximum torque	10.5 Nm		
Maximum current	7.6 A		