



1FK7080-2AH71-1RA1-Z
Y84

Project :

Torque constant	1.08 Nm/A
Voltage constant at 20° C	68.5 V/1000*min ⁻¹
Winding resistance at 20° C	0.42 Ω
Rotating field inductance	7.3 mH
Electrical time constant	17.30 ms
Mechanical time constant	1.54 ms
Thermal time constant	40 min
Shaft torsional stiffness	120000 Nm/rad
Net weight of the motor	10.3 kg



Figure similar

MLFB-Ordering data 1FK7080-2AH71-1RA1-Z
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Optimum operating point		Recommended Motor Module	
Optimum speed	4000 rpm	Rated inverter current	9 A
Optimum power	2.4 kW	Maximum inverter current	27 A
Limiting data		Maximum torque	24.70 Nm
Max. permissible speed (mech.)	6000 rpm	Special design	
Max. permissible speed (inverter)	6000 rpm	Y84	
Maximum torque	25.0 Nm		
Maximum current	27.5 A		