

4.6 MSK050B Technical Data

Description	Symbol	Unit	MSK050B-0300-NN	MSK050B-0600-NN
continuous torque at standstill, 60 K	M0_60	Nm	3,0	
continuous current at standstill, 60 K	I0_60(eff)	A	1,8	3,7
continuous torque at standstill, 100 K	M0_100	Nm	3,4	
continuous current at standstill, 100 K	I0_100(eff)	A	3,4	
maximum torque		Nm	2,0	4,2
maximum current	Mmax	A	9,0	
torque constant at 20 °C ¹⁾	Imax(eff)	Nm/A	7,2	14,8
constant voltage at 20 °C ²⁾	KM_N	V/min ⁻¹	1,80	0,90
winding resistance at 20 °C	KEMK_1000	Ohm	111,0	55,0
winding inductivity	R12	mH	13,10	3,30
leakage capacitance of the component	L12	nF	76,400	19,900
number of pole pairs	Cab		2,1	
moment of inertia of rotor without brake ³⁾	p		4	
thermal time constant	Jrot	-	0,00028	
maximum speed	Tth	kg*m ²	8,0	
sound pressure level	nmax	min	4300	6000
Mass ⁴⁾	LP	min ⁻¹	<75	
ambient temperature during operation	m	dB[A]	4,0 (4,9)	
degree of protection	Tum	kg	0 ... 40	
insulation class EN 60034-1		°C	IP65	
		-	F	

1) 2)

3)

4)

Manufacturing tolerance $\pm 5\%$

Specified without brake. If necessary, add the moment of inertia brake.

(...) values for motors with holding brake, sorted (holding brake 1, holding brake 2 ...)

Fig.4-21: Technical Data

Description	Symbol	Unit	Holding brake 1
holding torque	M4	Nm	5,0
rated voltage $\pm 10\%$	UN	V	24
rated current	IN	A	0,65
connection time	t1	ms	13

5.4 Size MSK050

