

4.4 MSK040B Technical Data

Description	Symbol	Unit	MSK040B-0600-NN
continuous torque at standstill, 60 K	M0_60	Nm	1,7
continuous current at standstill, 60 K	I0_60(eff)	A	2,0
continuous torque at standstill, 100 K	M0_100	Nm	1,9
continuous current at standstill, 100 K	I0_100(eff)	A	2,2
maximum torque			5,1
maximum current	Mmax	Nm	8,0
torque constant at 20 °C ¹⁾	Imax(eff)	A	0,95
constant voltage at 20 °C ²⁾	KM_N	Nm/A	58,5
winding resistance at 20 °C	KEMK_1000 R12	V/min ⁻¹	7,90
winding inductivity	L12	Ohm	36,000
leakage capacitance of the component		mH	1,5
number of pole pairs	Cab	nF	4
moment of inertia of rotor without brake ³⁾	p		0,00010
thermal time constant	Jrot	-	13,0
maximum speed	Tth	kg*m ²	7500
sound pressure level	nmax	min	<75
Mass ⁴⁾	LP	min ⁻¹	2,8 (3,1)
ambient temperature during operation	m	dB[A]	0 ... 40
degree of protection	Tum	kg	IP65
insulation class EN 60034-1		°C	F
		-	
		-	

1) 2)

3)

4)

Manufacturing tolerance ±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.4-12: Technische Daten

Description	Symbol	Unit	Holding brake 1
holding torque	M4	Nm	4,0
rated voltage ±10%	UN	V	24
rated current	IN	A	0,50
connection time	t1	ms	25

