

4.5 MSK040C Technical Data

Description	Symbol	Unit	MSK040C-0450-NN preliminary	MSK040C-0600-NN
continuous torque at standstill, 60 K	M0_60	Nm	2,7	
continuous current at standstill, 60 K	I0_60(eff)	A	2,4	3,1
continuous torque at standstill, 100 K	M0_100	Nm	3,1	
continuous current at standstill, 100 K	I0_100(eff)	A	3,1	
maximum torque		Nm	3,1	4,7
maximum current	Mmax	A	8,1	
torque constant at 20 °C ¹⁾	Imax(eff)	Nm/A	9,6	12,4
constant voltage at 20 °C ²⁾	KM_N	V/min ⁻¹	1,25	0,95
winding resistance at 20 °C	KEMK_1000 R12	Ohm	76,7	58,2
winding inductivity	L12	mH	7,40	3,90
leakage capacitance of the compo- nent		nF	37,900	21,300
number of pole pairs	Cab p		2,0	
moment of inertia of rotor without brake ³⁾	Jrot	-	4	
thermal time constant	Tth	kg*m ²	0,00014	
maximum speed	nmax	min	16,0	
sound pressure level	LP	min ⁻¹	6000	7500
Mass ⁴⁾	m	dB[A]	<75	
ambient temperature during opera- tion	Tum	kg	3,6 (3,9)	
degree of protection		°C	0 ... 40	
insulation class EN 60034-1		-	IP65	
		-	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, hold-
ing brake 2 ...)

Fig.4-16: MSK - Technical Data (natural cooling)

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

