

4.13 MSK070E Technical Data

Description	Symbol	Unit	MSK070E-0150-NN	MSK070E-0300-NN	MSK070E-0450-NN
continuous torque at standstill, 60 K	M0_60	Nm	23,0		
continuous current at standstill, 60 K	I0_60(eff)	A	15,4	6,4	19,3
continuous torque at standstill, 100 K	M0_100	Nm	25,0		
continuous current at standstill, 100 K	I0_100(eff)	A	16,7		
continuous torque at standstill, surface	M0_S	Nm	34,5	7,0	21,0
continuous current at standstill, surface	I0_S(eff)	A	23,1		
maximum torque	Mmax	Nm/A	1,64	70,0	60,0
torque constant at 20 °C ¹⁾	lmax(eff)	V/min ⁻¹	101,0	25,6	57,9
constant voltage at 20 °C ²⁾	KM_N	Ohm	0,55	3,94	1,31
winding resistance at 20 °C	KEMK_1000 R12	mH	3,900	242,4	80,6
winding inductivity	L12	nF	3,5	3,10	0,36
leakage capacitance of the component	Cab		24,500		2,700
number of pole pairs	p		6,3		6,7
moment of inertia of rotor without brake ³⁾	Jrot	-	6		
thermal time constant	Tth	kg*m ²	0,00458		
maximum speed	nmax	min	75,0	32,0	
sound pressure level	LP	min ⁻¹	2200	5300	6000
Mass ⁴⁾	m	dB[A]	<75		
ambient temperature during operation	Tum	kg	16,2 (17,8)		
degree of protection		°C	0 ... 40		
insulation class EN 60034-1		-	IP65		
		-	F		

1) 2)

3)

4)

Fig.4-59:

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 ...)

MSK - TechnicalData(naturalandsurfacecooling)

5.7 Size MSK070

