



DATASHEET

Single Phase Induction Motor - Squirrel Cage

GENERAL INFORMATION

Type	DSSA80M4CB3	Efficiency Class	-
Pout [kW]	0,75	Vibration Class	A
Speed [rpm]	1420	Weight [kg]	
Frame	80M	Degree of Protection	IP55
Current [A]	5,7	Cooling Method	IC 411
cos φ	0,88	Insulation Class	F
Rotation	CW-CCW	Temperature Class	B
Duty	S1	Construction	IM B3
Ambient Temp. [°C]	-20...+40	Altitude above sea [m]	1000
Run [μf]	25	Start [μf]	124-149

 					
1~MOT	Type	DM C 80-4			
S1	IM B3	IP 55	I.C.L.F		
V	Hz	A	kW	cos φ	1 / min
220	50	5,7	0,75	0,88	1420
CAPACITOR 25 μf 450 V / 124-149 μf 250 V					

ELECTRICAL DATA (RAW MEASUREMENT DATA)

V1	%Load	T [Nm]	I [A]	rpm	P2 [W]	cos φ	Efficiency	Hz
220	100	5,04	5,7	1420	750	0,88	67	50

Locked Rotor Current	Ia [A]	25,9	Breakdown Torque	Mk [Nm]	8,3
	Ia / In	4,54		Mk / Mn	1,65
Locked Rotor Torque	Ma [Nm]	13,4	No Load Current	[A]	3,9
	Ma / Mn	2,66	No Load Power	[W]	352

MECHANICAL DATA

DE Bearing	6204-ZZ	Sound Pressure - 50 Hz - dB[B]	75	Cable Gland Position
NDE Bearing	6202-ZZ	Sound Pressure - 60 Hz - dB[B]	76	
Fixed Bearing	NO	Housing Material	Aluminium	
Lubrication	-	DE Shield Material	Aluminium	
Grease Amount	-	Terminal Box Material	Polyamide	
Grease Type	-	Cable Entry	PG 11	
Feather Key	6*6*32	Cable Gland Position	4	
Balance	G 1,6 Half Key			

MECHANICAL DIMENSIONS

A	AA	AB	AC	AD	B	B'	BA	BB	C	D	d	E	EB	F	GA
125	34,7	30,8	158,2	150	100	-	30,8	125	50	19	M6	40	32	6	21,5
GD	H	HA	HC	HD	K	K1	L	LA	LB	M	N	P	S	S1	T
6	80	11	146,1	192,6	15	10	281,5	-	-	-	-	-	-	-	-

