DATASHEET

Three Phase Induction Motor - Squirrel Cage

GENERAL INFORMATION

Type	D1EA80M6AB34	Efficiency Class	IE1
Pout [kW]	0,37	Vibration Class	A
Speed [rpm]	920	Weight [kg]	
Frame	80M	Degree of Protection	IP55
Current [A]	2	Cooling Method	IC 411
cos ϕ	0,7	Insulation Class	F
Rotation	CW-CCW	Temperature Class	B
Duty	S1	Construction	IM B34
Ambient Temp. [°C]	-20…+40	Altitude above sea [m]	1000

3~MOT		Type	DM 80-6			
S1		IM B34	IP 55	I.CL.F	IE1	
	V	Hz	A	kW	cos ϕ	1 / min
Δ	220	50	2	0,37	0,7	920
Y	380	50	1,2	0,37	0,7	920
Y	460	60	1,2	0,44	0,65	1104

ELECTRICAL DATA (RAW MEASUREMENT DATA)

V1	%Load	T [Nm]	I [A]	rpm	P2 [W]	cos ϕ	Efficiency	Hz
220	100	3,84	2	920	370	0,7	59,7	50

Locked Rotor Current	Ia [A]	4,1	Breakdown Torque	Mk [Nm]	8,5
	Ia / In	2,05		Mk / Mn	2,21
Locked Rotor Torque	Ma [Nm]	7,7	No Load Current	[A]	0,94
	Ma / Mn	2,00	No Load Power	[W]	104

MECHANICAL DATA

DE Bearing	6204-ZZ	Sound Pressure - 50 Hz - dB[B]	77
NDE Bearing	6204-ZZ	Sound Pressure - 60 Hz - dB[B]	78
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	-	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	158	206	15	10	281,5	34,5	247	-	-	-	-	-	-