DATASHEET

Three Phase Induction Motor - Squirrel Cage

GENERAL INFORMATION

Type	D1EA71M6BB34	Efficiency Class	IE1
Pout [kW]	0,25	Vibration Class	A
Speed [rpm]	910	Weight [kg]	
Frame	71M	Degree of Protection	IP55
Current [A]	1,7	Cooling Method	IC 411
cos ϕ	0,62	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 71-6			
S1		IM B34	IP 55	I.CL.F	IE1	
	V	Hz	A	kW	cos ϕ	1 / min
Δ	220	50	1,7	0,25	0,62	910
Y	380	50	1	0,25	0,62	910
Y	460	60	1	0,3	0,6	1092

ELECTRICAL DATA (RAW MEASUREMENT DATA)

V1	%Load	T [Nm]	I [A]	rpm	P2 [W]	cos ϕ	Efficiency	Hz
220	100	2,62	1,7	910	250	0,62	52,1	50

Locked Rotor Current	Ia [A]	3,2	Breakdown Torque	Mk [Nm]	6,4
	Ia / In	1,88		Mk / Mn	2,44
Locked Rotor Torque	Ma [Nm]	6,1	No Load Current	[A]	0,86
	Ma / Mn	2,33	No Load Power	[W]	129,3

MECHANICAL DATA

DE Bearing	6202-ZZ	Sound Pressure - 50 Hz - dB[B]	77
NDE Bearing	6202-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	5*5*22	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
112	30,1	23,5	139,6	-	90	-	23,5	108	45	14	M5	30	22	5	16
GD	H	HA	HC	HD	K	K1	L	LA	LB	M	N	P	S	S1	T
5	71	9,5	129,5	177	11	7	247,5	34,5	213	-	-	-	-	-	-