DATASHEET

Three Phase Induction Motor - Squirrel Cage

GENERAL INFORMATION

Type	D1EA71M4AB3	Efficiency Class	IE1
Pout [kW]	0,25	Vibration Class	A
Speed [rpm]	1380	Weight [kg]	
Frame	71M	Degree of Protection	IP55
Current [A]	1,6	Cooling Method	IC 411
cos ϕ	0,7	Insulation Class	F
Rotation	CW-CCW	Temperature Class	B
Duty	S1	Construction	IM B3
Ambient Temp. [°C]	-20…+40	Altitude above sea [m]	1000

3~MOT	Type	DM 71-4			
S1	IM B3	IP 55	I.CL.F	IE1	
	V	Hz	A	kW	cos ϕ	1 / min
Δ	220	50	1,6	0,25	0,7	1380
Y	380	50	0,9	0,25	0,7	1380
Y	460	60	0,9	0,3	0,67	1656

ELECTRICAL DATA (RAW MEASUREMENT DATA)

V1	%Load	T [Nm]	I [A]	rpm	P2 [W]	cos ϕ	Efficiency	Hz
220	100	1,73	1,6	1380	250	0,7	61,5	50
	100							

Locked Rotor Current	Ia [A]	2,9	Breakdown Torque	Mk [Nm]	3,6
	Ia / In	1,81		Mk / Mn	2,08
Locked Rotor Torque	Ma [Nm]	3,4	No Load Current	[A]	0,79
	Ma / Mn	1,97	No Load Power	[W]	115,6

MECHANICAL DATA

DE Bearing	6202-ZZ	Sound Pressure - 50 Hz - dB[B]	75
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	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	-	-	-	-	-	-	-	-