DATASHEET

Three Phase Induction Motor - Squirrel Cage

GENERAL INFORMATION

Type	D2EA112M2AB34SYY	Efficiency Class	IE2
Pout [kW]	4	Vibration Class	A
Speed [rpm]	2920	Weight [kg]	
Frame	112M	Degree of Protection	IP55
Current [A]	7,8	Cooling Method	IC 411
cos ϕ	0,86	Insulation Class	F
Rotation	CW-CCW	Temperature Class	B
Duty	S1	Construction	IM B34
Ambient Temp. [°C]	-20…+40	Altitude above sea [m]	1000

USE WITH VARIABLE SPEED DRIVE

ONLY ACC. EU REGULATION 640/2009

3~MOT	Type	DM 112-2					
S1	IM B34	IP 55	I.CL.F			η%	
						IE2 - 85,8	
	V	Hz	A	kW	cos ϕ	1 / min	LOAD	EFF.
Δ	400	50	7,8	4	0,86	2920	%75	84,7
Δ	480	60	7,8	4,8	0,86	3505		
							%50	83,8

ELECTRICAL DATA (RAW MEASUREMENT DATA)

V1	%Load	T [Nm]	I [A]	rpm	P2 [W]	cos ϕ	Efficiency	Hz
400	100	13,08	7,8	2920	4000	0,86	85,8	50
400	75	9,73	6,3	2945	3000	0,81	84,7	50
400	50	6,45	5,1	2960	2000	0,68	83,8	50

Locked Rotor Current	Ia [A]	65,5	Breakdown Torque	Mk [Nm]	47,9
	Ia / In	8,40		Mk / Mn	3,66
Locked Rotor Torque	Ma [Nm]	36,6	No Load Current	[A]	3,9
	Ma / Mn	2,80	No Load Power	[W]	310

MECHANICAL DATA

DE Bearing	6206-ZZ	Sound Pressure - 50 Hz - dB[B]	85
NDE Bearing	6206-ZZ	Sound Pressure - 60 Hz - dB[B]	90
Fixed Bearing	YES	Housing Material	Aluminium
Lubrication	-	DE Shield Material	Aluminium
Grease Amount	-	Terminal Box Material	Polyamide
Grease Type	-	Cable Entry	PG 16
Feather Key	8*7*50	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
190	51	38	219	-	140	-	38	175	70	28	M10	60	50	8	31
GD	**H**	**HA**	**HC**	**HD**	**K**	**K1**	**L**	**LA**	**LB**	**M**	**N**	**P**	**S**	**S1**	**T**
7	112	13	224,5	278,5	18	12	401,9	24,9	377	-	-	-	-	-	-