DATASHEET

Three Phase Induction Motor - Squirrel Cage

GENERAL INFORMATION

Type	D2EA112M4BB34YY	Efficiency Class	IE2
Pout [kW]	5,5	Vibration Class	A
Speed [rpm]	1440	Weight [kg]	
Frame	112M-C	Degree of Protection	IP55
Current [A]	11,3	Cooling Method	IC 411
cos ϕ	0,79	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 C 112-4					
							η%
S1	IM B34	IP 55	I.CL.F				IE2 - 87,7

	V	Hz	A	kW	cos ϕ	1 / min	LOAD	EFF.
Δ	400	50	11,3	5,5	0,79	1440	%75	88,7
Δ	480	60	11,3	6,6	0,78	1730		
							%50	88,5

ELECTRICAL DATA (RAW MEASUREMENT DATA)

V1	%Load	T [Nm]	I [A]	rpm	P2 [W]	cos ϕ	Efficiency	Hz
400	100	36,48	11,3	1440	5500	0,79	87,7	50
400	75	27,09	9	1454	4125	0,75	88,7	50
400	50	17,82	7,2	1474	2750	0,62	88,5	50

Locked Rotor Current	Ia [A]	69	Breakdown Torque	Mk [Nm]	111
	Ia / In	6,11		Mk / Mn	3,04
Locked Rotor Torque	Ma [Nm]	95	No Load Current	[A]	5,8
	Ma / Mn	2,60	No Load Power	[W]	287

MECHANICAL DATA

DE Bearing	6206-ZZ	Sound Pressure - 50 Hz - dB[B]	78
NDE Bearing	6206-ZZ	Sound Pressure - 60 Hz - dB[B]	81
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	421,9	24,9	397	-	-	-	-	-	-