dinamik motor

DATASHEET

Three Phase Induction Motor - Squirrel Cage

GENERAL INFORMATION

Type	D2EA100L4AB35YY	Efficiency Class	IE2
Pout [kW]	2,2	Vibration Class	A
Speed [rpm]	1440	Weight [kg]	
Frame	100L	Degree of Protection	IP55
Current [A]	9,5	Cooling Method	IC 411
cos ϕ	0,70	Insulation Class	F
Rotation	CW-CCW	Temperature Class	B
Duty	S1	Construction	IM B35
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 100-4					
							η%
S1	IM B35	IP 55	I.CL.F				IE2 - 84,3

	V	Hz	A	kW	cos ϕ	1 / min	LOAD	EFF.
Δ	230	50	9,5	2,2	0,70	1440	%75	84,4
Y	400	50	5,5	2,2	0,70	1440		
Y	480	60	5,5	2,64	0,70	2495	%50	83,1

ELECTRICAL DATA (RAW MEASUREMENT DATA)

V1	%Load	T [Nm]	I [A]	rpm	P2 [W]	cos ϕ	Efficiency	Hz
400	100	14,59	5,5	1440	2200	0,68	84,3	50
400	75	10,83	5	1455	1650	0,56	84,4	50
400	50	7,17	4,6	1470	1104	0,42	83,1	50

Locked Rotor Current	Ia [A]	32,05	Breakdown Torque	Mk [Nm]	49,37
	Ia / In	3,37		Mk / Mn	3,38
Locked Rotor Torque	Ma [Nm]	39,17	No Load Current	[A]	4,4
	Ma / Mn	2,68	No Load Power	[W]	295

MECHANICAL DATA

DE Bearing	6206-ZZ	Sound Pressure - 50 Hz - dB[B]	75
NDE Bearing	6206-ZZ	Sound Pressure - 60 Hz - dB[B]	76
Fixed Bearing	YES	Housing Material	Aluminium
Lubrication	-	DE Shield Material	Aluminium
Grease Amount	-	Terminal Box Material	Polyamide
Grease Type	-	Cable Entry	PG 11
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
160	46	40	197	-	140	-	40	175	63	28	M10	60	50	8	31
GD	**H**	**HA**	**HC**	**HD**	**K**	**K1**	**L**	**LA**	**LB**	**M**	**N**	**P**	**S**	**S1**	**T**
7	100	13	199	247	18	12	372,4	13	359,4	215	180	250	14,5	4	4