dinamik motor

DATASHEET

Three Phase Induction Motor - Squirrel Cage

GENERAL INFORMATION

Type	D3EA80M2BB35YY	Efficiency Class	IE3
Pout [kW]	1,1	Vibration Class	A
Speed [rpm]	2870	Weight [kg]	
Frame	80M	Degree of Protection	IP55
Current [A]	4,3	Cooling Method	IC 411
cos ϕ	0,77	Insulation Class	F
Rotation	CW-CCW	Temperature Class	B
Duty	S1	Construction	IM B35
Ambient Temp. [°C]	-20…+40	Altitude above sea [m]	1000

3~MOT		Type	DM 80-2					η%
S1		IM B35		IP 55	I.CL.F			IE3 - 82,7
	V	Hz	A	kW	cos ϕ	1 / min	LOAD	EFF.
Δ	230	50	4,3	1,1	0,77	2870	%75	83,4
Y	400	50	2,5	1,1	0,77	2870		
Y	460	60	2,2	1,1	0,75	3445	%50	82,3
Y	480	60	2,5	1,32	0,75	3443		

ELECTRICAL DATA (RAW MEASUREMENT DATA)

V1	%Load	T [Nm]	I [A]	rpm	P2 [W]	cos ϕ	Efficiency	Hz
400	100	3,66	2,5	2870	1100	0,77	82,7	50
400	75	2,71	2,1	2910	825	0,68	83,4	50
400	50	1,79	1,8	2940	550	0,54	82,3	50

Locked Rotor Current	Ia [A]	14,6	Breakdown Torque	Mk [Nm]	11,6
	Ia / In	3,40		Mk / Mn	3,17
Locked Rotor Torque	Ma [Nm]	8,8	No Load Current	[A]	1,6
	Ma / Mn	2,40	No Load Power	[W]	130

MECHANICAL DATA

DE Bearing	6204-ZZ	Sound Pressure - 50 Hz - dB[B]	80
NDE Bearing	6204-ZZ	Sound Pressure - 60 Hz - dB[B]	87
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	6*6*32	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
125	35,07	32,03	158,2	-	100	-	32,03	125,07	50	19	M6	40	32	6	21,5

GD	H	HA	HC	HD	K	K1	L	LA	LB	M	N	P	S	S1	T
6	80	14	159,5	207,5	15	10	306	10	296	165	130	200	12	4	3,5