DATASHEET

Three Phase Induction Motor - Squirrel Cage

GENERAL INFORMATION

Type	D3EA112M6AB34YY	Efficiency Class	IE3
Pout [kW]	2,2	Vibration Class	A
Speed [rpm]	968	Weight [kg]	
Frame	112M	Degree of Protection	IP55
Current [A]	10	Cooling Method	IC 411
cos ϕ	0,65	Insulation Class	F
Rotation	CW-CCW	Temperature Class	B
Duty	S1	Construction	IM B34
Ambient Temp. [°C]	-20…+40	Altitude above sea [m]	1000

3~MOT		Type	DM 112-6					η%
S1		IM B34		IP 55	I.CL.F			IE3 - 84,3
	V	Hz	A	kW	cos ϕ	1 / min	LOAD	EFF.
Δ	230	50	10	2,2	0,65	968	%75	83
Y	400	50	5,8	2,2	0,65	968		
Y	460	60	5	2,2	0,65	1161	%50	78,1
Y	480	60	5,8	2,64	0,65	1165		

ELECTRICAL DATA (RAW MEASUREMENT DATA)

V1	%Load	T [Nm]	I [A]	rpm	P2 [W]	cos ϕ	Efficiency	Hz
230	100	21,7	10	968	2200	0,65	84,3	50
230	75	16,16	8,8	975	1650	0,57	83	50
230	50	10,66	8	985	1100	0,44	78,1	50

Locked Rotor Current	Ia [A]	38	Breakdown Torque	Mk [Nm]	79,2
	Ia / In	3,80		Mk / Mn	3,65
Locked Rotor Torque	Ma [Nm]	56,6	No Load Current	[A]	4,1
	Ma / Mn	2,61	No Load Power	[W]	298

MECHANICAL DATA

DE Bearing	6206-ZZ	Sound Pressure - 50 Hz - dB[B]	77
NDE Bearing	6206-ZZ	Sound Pressure - 60 Hz - dB[B]	78
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	-	-	-	-	-	-