DATASHEET

Three Phase Induction Motor - Squirrel Cage

GENERAL INFORMATION

Type	D3EG250M6AB35	Efficiency Class	IE3
Pout [kW]	37	Vibration Class	A
Speed [rpm]	985	Weight [kg]	
Frame	250M	Degree of Protection	IP65
Current [A]	74,3	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 250-6					η%
S1		IM B35		IP 65	I.CL.F			IE3 - 93,3
	V	Hz	A	kW	cos ϕ	1 / min	LOAD	EFF.
Δ	400	50	74,3	37	0,77	985	%75	92,9
Y	690	50	74,3	37	0,77	985		
Δ	460	60	65,6	37	0,75	1187	%50	92
Δ	460	60	72,1	42,6	0,75	1185		

ELECTRICAL DATA (RAW MEASUREMENT DATA)

V1	%Load	T [Nm]	I [A]	rpm	P2 [W]	cos ϕ	Efficiency	Hz
400	100	358,73	74,3	985	37000	0,77	93,3	50
400	75	267,96	60,1	989	27750	0,72	92,9	50
400	50	177,92	47,9	993	18500	0,61	92	50

Locked Rotor Current	Ia [A]	532	Breakdown Torque	Mk [Nm]	902
	Ia / In	7,16		Mk / Mn	2,51
Locked Rotor Torque	Ma [Nm]	1106	No Load Current	[A]	35,6
	Ma / Mn	3,08	No Load Power	[W]	1134

MECHANICAL DATA

DE Bearing	6315-ZZ	Sound Pressure - 50 Hz - dB[B]	90
NDE Bearing	6313-ZZ	Sound Pressure - 60 Hz - dB[B]	93
Fixed Bearing	YES	Housing Material	Cast Iron
Lubrication	Optional	DE Shield Material	Cast Iron
Grease Amount	30 gr	Terminal Box Material	Aluminium
Grease Type	POLYREX EM	Cable Entry	M50
Feather Key	18*11*125	Cable Gland Position	4
Balance	G 2,5 Half Key		

MECHANICAL DIMENSIONS

A	AA	AB	AC	AD	B	B'	BA	BB	C	D	d	E	EB	F	GA
406	82	75	432	-	349	-	75	410	168	65	M20	140	125	18	69
GD	H	HA	HC	HD	K	K1	L	LA	LB	M	N	P	S	S1	T
11	250	30	466	550	24	24	920,5	19	901,5	500	450	550	18,5	8	5