DATASHEET

Three Phase Induction Motor - Squirrel Cage

GENERAL INFORMATION

Type	D2EG250M4AB35	Efficiency Class	IE2
Pout [kW]	55	Vibration Class	A
Speed [rpm]	1475	Weight [kg]	
Frame	250M	Degree of Protection	IP55
Current [A]	100	Cooling Method	IC 411
cos ϕ	0,84	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 250M-4					
S1	IM B35	IP 55	I.CL.F			η%	
	V	Hz	A	kW	cos ϕ	1 / min	LOAD	EFF.
Δ	400	50	100	55	0,84	1475	%75	93,8
Δ	480	60	100	66	0,84	1775	%50	93,4

IE2 - 93,5

ELECTRICAL DATA (RAW MEASUREMENT DATA)

V1	%Load	T [Nm]	I [A]	rpm	P2 [W]	cos ϕ	Efficiency	Hz
400	100	356,34	100	1474	55000	0,84	93,5	50
400	75	265,99	79,7	1481	41250	0,8	93,8	50
400	50	176,5	60,8	1488	27500	0,7	93,4	50

Locked Rotor Current	Ia [A]	888	Breakdown Torque	Mk [Nm]	1143
	Ia / In	8,88		Mk / Mn	3,21
Locked Rotor Torque	Ma [Nm]	1228	No Load Current	[A]	39,9
	Ma / Mn	3,45	No Load Power	[W]	1695

MECHANICAL DATA

DE Bearing	6315-ZZ	Sound Pressure - 50 Hz - dB[B]	94
NDE Bearing	6313-ZZ	Sound Pressure - 60 Hz - dB[B]	98
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	890,5	19	871,5	500	450	550	18,5	8	5