DATASHEET

Three Phase Induction Motor - Squirrel Cage

GENERAL INFORMATION

Type	D3EG250M4AB3	Efficiency Class	IE3
Pout [kW]	55	Vibration Class	A
Speed [rpm]	1475	Weight [kg]	
Frame	250M	Degree of Protection	IP55
Current [A]	97,0	Cooling Method	IC 411
cos ϕ	0,87	Insulation Class	F
Rotation	CW-CCW	Temperature Class	B
Duty	S1	Construction	IM B3
Ambient Temp. [°C]	-20...+40	Altitude above sea [m]	1000

3~MOT	Type	DM 250-4					
S1	IM B3	IP 55	I.CL.F				η% IE3 - 94,7
	V	Hz	A	kW	cos ϕ	1 / min	LOAD / EFF.
Δ	400	50	97,0	55,0	0,87	1475	%75 / 94
Y	690	50	56,0	55,0	0,87	1475	%50 / 93,7
	BEARING	GREASE	QUANTITY	CYCLE(HOURS)			
DE	6313	POLYREX EM	30 GR	4000			
NDE	6315	POLYREX EM	30 GR	4000			

ELECTRICAL DATA (RAW MEASUREMENT DATA)

V1	%Load	T [Nm]	I [A]	rpm	P2 [W]	cos ϕ	Efficiency	Hz
400	100	356,1	97,0	1475	55000	0,87	94,7	50
400	75	266,17	76,3	1480	41250	0,83	94	50
400	50	176,61	56,5	1487	27500	0,75	93,7	50

Locked Rotor Current	Ia [A]	784	Breakdown Torque	Mk [Nm]	1140
	Ia / In	8,08		Mk / Mn	3,20
Locked Rotor Torque	Ma [Nm]	1068	No Load Current	[A]	34,1
	Ma / Mn	3,00	No Load Power	[W]	1295

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	920,5	-	-	-	-	-	-	-	-