

GENERAL INFORMATION

Type	D2EG250M2AB3	Efficiency Class	IE2
Pout [kW]	55	Vibration Class	A
Speed [rpm]	2977	Weight [kg]	
Frame	250M	Degree of Protection	IP55
Current [A]	96,5	Cooling Method	IC 411
cos φ	0,89	Insulation Class	F
Rotation	CW-CCW	Temperature Class	B
Duty	S1	Construction	IM B3
Ambient Temp. [°C]	-20...+40	Altitude above sea [m]	1000

USE WITH VARIABLE SPEED DRIVE		CE		TS		QR		
ONLY ACC. EU REGULATION 640/2009								
3~MOT	Type	DM 250-2						
S1	IM B3	IP 55	I.C.L.F	η%				
	V	Hz	A	kW	cos φ	1 / min	LOAD	EFF.
Δ	400	50	96,5	55	0,89	2977	%75	93
Δ	480	60	96,5	66	0,88	3575	%50	91,6

ELECTRICAL DATA (RAW MEASUREMENT DATA)

V1	%Load	T [Nm]	I [A]	rpm	P2 [W]	cos φ	Efficiency	Hz
400	100	176,44	96,5	2977	55000	0,89	93,2	50
400	75	132,11	74,5	2982	41250	0,86	93	50
400	50	87,86	54,9	2989	27500	0,79	91,6	50

Locked Rotor Current	Ia [A]	754	Breakdown Torque	Mk [Nm]	468
	Ia / In	7,81		Mk / Mn	2,65
Locked Rotor Torque	Ma [Nm]	322	No Load Current	[A]	14,1
	Ma / Mn	1,83	No Load Power	[W]	1699

MECHANICAL DATA

DE Bearing	6315-ZZ	Sound Pressure - 50 Hz - dB[B]	97
NDE Bearing	6313-ZZ	Sound Pressure - 60 Hz - dB[B]	103
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	60	M20	140	125	18	64
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	-	-	-	-	-	-	-	-

