

### GENERAL INFORMATION

Type	D2EG225M2AB3	Efficiency Class	IE2
Pout [kW]	45	Vibration Class	A
Speed [rpm]	2970	Weight [kg]	
Frame	225M	Degree of Protection	IP55
Current [A]	77,9	Cooling Method	IC 411
cos φ	0,9	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 225-2					
S1		IM B3	IP 55	I.C.L.F		η%	
V		Hz	A	kW	cos φ	1 / min	LOAD
Δ	400	50	77,9	45	0,9	2970	%75
Δ	480	60	77,9	54	0,89	3564	%50
							EFF.
							92,2
							92,2

### ELECTRICAL DATA ( RAW MEASUREMENT DATA )

V1	%Load	T [Nm]	I [A]	rpm	P2 [W]	cos φ	Efficiency	Hz
400	100	144,7	77,9	2970	45000	0,9	92,9	50
400	75	108,27	58,7	2977	33750	0,9	92,2	50
400	50	71,98	41,6	2985	22500	0,85	92,2	50

  

Locked Rotor Current	Ia [A]	660	Breakdown Torque	Mk [Nm]	321,3
	Ia / In	8,47		Mk / Mn	2,22
Locked Rotor Torque	Ma [Nm]	342	No Load Current	[A]	18,7
	Ma / Mn	2,36	No Load Power	[W]	1568

### MECHANICAL DATA

DE Bearing	6313-ZZ	Sound Pressure - 50 Hz - dB[B]	97
NDE Bearing	6213-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	16*10*100	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
356	82	76	432	-	311	286	76	366	149	55	M20	110	100	16	59
GD	H	HA	HC	HD	K	K1	L	LA	LB	M	N	P	S	S1	T
10	225	30	433	517	18,5	18,5	735,7	-	-	-	-	-	-	-	-

