

### GENERAL INFORMATION

Type	D2EG225M4BB35	Efficiency Class	IE2
Pout [kW]	55	Vibration Class	A
Speed [rpm]	1475	Weight [kg]	
Frame	225M	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		CE		TS		QR	
ONLY ACC. EU REGULATION 640/2009							
3~MOT	Type	DM 225M-4					
S1	IM B35	IP 55	I.C.L.F		η%		IE2 - 93,5
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

### ELECTRICAL DATA ( RAW MEASUREMENT DATA )

V1	%Load	T [Nm]	I [A]	rpm	P2 [W]	cos φ	Efficiency	Hz
400	100	356,1	100	1475	55000	0,84	93,5	50
400	75	265,64	81,1	1483	41250	0,78	93,8	50
400	50	176,38	63	1489	27500	0,67	93,4	50

  

Locked Rotor Current	Ia [A]	760	Breakdown Torque	Mk [Nm]	1202
	Ia / In	7,60		Mk / Mn	3,38
Locked Rotor Torque	Ma [Nm]	1231	No Load Current	[A]	44
	Ma / Mn	3,46	No Load Power	[W]	1441

### MECHANICAL DATA

DE Bearing	6313-ZZ	Sound Pressure - 50 Hz - dB[B]	94
NDE Bearing	6213-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
356	82	76	432	-	311	286	76	366	149	60	M20	140	125	18	64
GD	H	HA	HC	HD	K	K1	L	LA	LB	M	N	P	S	S1	T
11	225	30	433	517	18,5	18,5	861	20,5	745,2	400	350	450	18,5	8	5

