

GENERAL INFORMATION

Type	D2EG225M4AB3	Efficiency Class	IE2
Pout [kW]	45	Vibration Class	A
Speed [rpm]	1470	Weight [kg]	
Frame	225M	Degree of Protection	IP55
Current [A]	79	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 225M-4					
S1	IM B3	IP 55	I.C.L.F		η%		IE2 - 93,1
V	Hz	A	kW	cos φ	1 / min	LOAD	EFF.
Δ 400	50	79	45	0,89	1470	%75	93
Δ 480	60	79	54	0,88	1764	%50	93

ELECTRICAL DATA (RAW MEASUREMENT DATA)

V1	%Load	T [Nm]	I [A]	rpm	P2 [W]	cos φ	Efficiency	Hz
400	100	292,35	79	1470	45000	0,89	93,1	50
400	75	218,07	60,8	1478	33750	0,86	93	50
400	50	144,6	44,1	1486	22500	0,79	93	50

Locked Rotor Current	Ia [A]	560	Breakdown Torque	Mk [Nm]	785
	Ia / In	7,09		Mk / Mn	2,69
Locked Rotor Torque	Ma [Nm]	781	No Load Current	[A]	33,9
	Ma / Mn	2,67	No Load Power	[W]	1631

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	765,7	-	-	-	-	-	-	-	-

