



GENERAL INFORMATION

Type	D2EG315M6BB3	Efficiency Class	IE2
Pout [kW]	90	Vibration Class	A
Speed [rpm]	990	Weight [kg]	
Frame	315M	Degree of Protection	IP55
Current [A]	170	Cooling Method	IC 411
cos φ	0,82	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 ONLY ACC. EU REGULATION 640/2009							
				3~MOT	Type	DM 315M-6	
S1	IM B3	IP 55	I.C.L.F	η% IE2 - 94			
V	Hz	A	kW	cos φ	1 / min	LOAD	EFF.
Δ 400	50	170	90	0,82	990	%75	94
Δ 480	60	170	108	0,82	1189	%50	93,7
DE	BEARING	GREASE	QUANTITY	CYCLE(HOURS)			
NDE	6318	POLYREX EM	30 GR	4000			
	6318	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	868,18	170	990	90000	0,82	94	50
400	75	649,82	133,1	992	67500	0,78	94	50
400	50	431,91	100,8	995	45000	0,69	93,7	50

Locked Rotor Current	Ia [A]	875	Breakdown Torque	Mk [Nm]	1882
	Ia / In	5,15		Mk / Mn	2,17
Locked Rotor Torque	Ma [Nm]	1500	No Load Current	[A]	64,7
	Ma / Mn	1,73	No Load Power	[W]	1789

MECHANICAL DATA

DE Bearing	6318-ZZ	Sound Pressure - 50 Hz - dB[B]	100
NDE Bearing	6318-ZZ	Sound Pressure - 60 Hz - dB[B]	104
Fixed Bearing	YES	Housing Material	Cast Iron
Lubrication	YES	DE Shield Material	Cast Iron
Grease Amount	30 gr	Terminal Box Material	Aluminium
Grease Type	POLYREX EM	Cable Entry	M63
Feather Key	22*14*140	Cable Gland Position	4
Balance	G 2,5 Half Key	*Shaft-end diameter (D) is 80 mm for Export Motors.	

MECHANICAL DIMENSIONS

A	AA	AB	AC	AD	B	B'	BA	BB	C	D	d	E	EB	F	GA
508	125	115	615	-	457	406	115	550	216	80	M20	170	140	22	85
GD	H	HA	HC	HD	K	K1	L	LA	LB	M	N	P	S	S1	T
14	315	50	613	817,1	28	28	1156	-	-	-	-	-	-	-	-

