



GENERAL INFORMATION

Type	D2EG315M6AB3	Efficiency Class	IE2
Pout [kW]	110	Vibration Class	A
Speed [rpm]	990	Weight [kg]	
Frame	315M	Degree of Protection	IP55
Current [A]	205	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 315-6	
S1	IM B3	IP 55	I.C.L.F	η% IE2 - 94,3			
V	Hz	A	kW	cos φ	1 / min	LOAD	EFF.
Δ 400	50	205	110	0,82	990	%75	94,3
Δ 480	60	205	132	0,82	1189	%50	94
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	1061,11	205	990	110000	0,82	94,3	50
400	75	794,23	162	992	82500	0,78	94,3	50
400	50	561,76	122	935	55000	0,69	94	50

Locked Rotor Current	Ia [A]	1023,6	Breakdown Torque	Mk [Nm]	2298
	Ia / In	4,99		Mk / Mn	2,17
Locked Rotor Torque	Ma [Nm]	2150,3	No Load Current	[A]	75
	Ma / Mn	2,03	No Load Power	[W]	2067

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	-	-	-	-	-	-	-	-

