



GENERAL INFORMATION

Type	D2EG315L4AB3	Efficiency Class	IE2
Pout [kW]	185	Vibration Class	A
Speed [rpm]	1483	Weight [kg]	
Frame	315L	Degree of Protection	IP55
Current [A]	320	Cooling Method	IC 411
cos φ	0,88	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 315L-4	
S1	IM B3	IP 55	I.C.L.F	η% IE2 - 94,6			
V	Hz	A	kW	cos φ	1 / min	LOAD	EFF.
Δ 400	50	320	185	0,88	1483	%75	95,1
Δ 480	60	320	222	0,88	1780	%50	95,2
DE	BEARING 6318	GREASE POLYREX EM	QUANTITY 30 GR	CYCLE(HOURS)			4000
NDE	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	1191,34	320	1483	185000	0,88	94,6	50
400	75	895,31	277	1480	138750	0,76	95,1	50
400	50	596,88	171,2	1480	92500	0,82	95,2	50

Locked Rotor Current	Ia [A]	1700	Breakdown Torque	Mk [Nm]	2700
	Ia / In	5,31		Mk / Mn	2,27
Locked Rotor Torque	Ma [Nm]	2200	No Load Current	[A]	78
	Ma / Mn	1,85	No Load Power	[W]	2872

MECHANICAL DATA

DE Bearing	6318-ZZ	Sound Pressure - 50 Hz - dB[B]	102
NDE Bearing	6318-ZZ	Sound Pressure - 60 Hz - dB[B]	105
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	125	615	-	508	-	125	600	316	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	1190	-	-	-	-	-	-	-	-

