



GENERAL INFORMATION

Type	D2EG315L4CB3	Efficiency Class	IE2
Pout [kW]	250	Vibration Class	A
Speed [rpm]	1485	Weight [kg]	1115
Frame	315L-C	Degree of Protection	IP55
Current [A]	415	Cooling Method	IC 411
cos φ	0,91	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 - 95,1			
V	Hz	A	kW	cos φ	1 / min	LOAD	EFF.
Δ 400	50	415	250	0,91	1485	%75	95,6
Δ 480	60	415	300	0,91	1780	%50	95,7
DE	BEARING	GREASE	QUANTITY	CYCLE(HOURS)			
NDE	NU321	POLYREX EM	50 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	1590,6	415	1485	250000	0,91	95,1	50
400	75	1190	315	1488	187500	0,89	95,6	50
400	50	791,6	221	1492	125000	0,85	95,7	50

Locked Rotor Current	Ia [A]	2700	Breakdown Torque	Mk [Nm]	4750
	Ia / In	6,51		Mk / Mn	2,99
Locked Rotor Torque	Ma [Nm]	3400	No Load Current	[A]	96
	Ma / Mn	2,14	No Load Power	[W]	3241

MECHANICAL DATA

DE Bearing	NU 321	Sound Pressure - 50 Hz - dB[B]	102
NDE Bearing	6318	Sound Pressure - 60 Hz - dB[B]	105
Fixed Bearing	YES	Housing Material	Cast Iron
Lubrication	YES	DE Shield Material	Cast Iron
Grease Amount	50 gr / 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		

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	100	M20	210	200	22	85
GD	H	HA	HC	HD	K	K1	L	LA	LB	M	N	P	S	S1	T
14	315	50	613	821,1	28	28	1355	-	-	-	-	-	-	-	-

