



GENERAL INFORMATION

Type	D2EG315S4AB35	Efficiency Class	IE2
Pout [kW]	110	Vibration Class	A
Speed [rpm]	1486	Weight [kg]	
Frame	315S	Degree of Protection	IP55
Current [A]	199	Cooling Method	IC 411
cos φ	0,85	Insulation Class	F
Rotation	CW-CCW	Temperature Class	B
Duty	S1	Construction	IM B35
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 315-4	
S1	IM B35	IP 55	I.C.L.F	η% IE2 - 94,5			
V	Hz	A	kW	cos φ	1 / min	LOAD	EFF.
Δ 400	50	199	110	0,85	1486	%75	94,4
Δ 480	60	199	132	0,85	1786	%50	94
DE	BEARING 6318	GREASE POLYREX EM	QUANTITY 30 GR	CYCLE(HOURS)			
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	706,93	199	1486	110000	0,85	94,5	50
400	75	528,78	154,3	1490	82500	0,82	94,4	50
400	50	351,57	114,2	1494	55000	0,74	94	50

Locked Rotor Current	Ia [A]	1280	Breakdown Torque	Mk [Nm]	1935
	Ia / In	6,43		Mk / Mn	2,74
Locked Rotor Torque	Ma [Nm]	1200	No Load Current	[A]	66,2
	Ma / Mn	1,70	No Load Power	[W]	2558

MECHANICAL DATA

DE Bearing	6318-ZZ	Sound Pressure - 50 Hz - dB[B]	101
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	-	406	457	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	24	1132	600	550	660	24	8	6

