



GENERAL INFORMATION

Type	V2EG315M4BB3	Efficiency Class	IE2
Pout [kW]	160	Vibration Class	A
Speed [rpm]	1485	Weight [kg]	
Frame	315M	Degree of Protection	IP55
Current [A]	276	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	VM 315M-4	
S1	IM B3	IP 55	I.C.L.F.	η% IE2 - 94,9			
V	Hz	A	kW	cos φ	1 / min	LOAD	EFF.
Δ 400	50	276	160	0,88	1485	%75	94,6
Δ 480	60	276	192	0,88	1784	%50	94,6
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	1028,96	276	1485	160000	0,88	94,9	50
400	75	770,68	229,8	1487	120000	0,8	94,6	50
400	50	513,79	210,2	1487	80000	0,58	94,6	50

Locked Rotor Current	Ia [A]	1675	Breakdown Torque	Mk [Nm]	2212
	Ia / In	6,07		Mk / Mn	2,15
Locked Rotor Torque	Ma [Nm]	1542	No Load Current	[A]	68,1
	Ma / Mn	1,50	No Load Power	[W]	2686

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	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	-	-	-	-	-	-	-	-

