



### GENERAL INFORMATION

Type	V2EG315M2AB3	Efficiency Class	IE2
Pout [kW]	132	Vibration Class	A
Speed [rpm]	2980	Weight [kg]	
Frame	315M	Degree of Protection	IP55
Current [A]	224	Cooling Method	IC 411
cos φ	0,9	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-2	
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	224	132	0,9	2980	%75	94,7
Δ 480	60	224	158,4	0,89	3578	%50	94
DE	BEARING	GREASE	QUANTITY	CYCLE(HOURS)			
NDE	6316	POLYREX EM	30 GR	2000			
	6316	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	423,02	224	2980	132000	0,9	94,6	50
400	75	317,05	171,1	2982	99000	0,88	94,7	50
400	50	210,94	123,6	2988	66000	0,82	94	50

Locked Rotor Current	Ia [A]	1506	Breakdown Torque	Mk [Nm]	1570
	Ia / In	6,72		Mk / Mn	3,71
Locked Rotor Torque	Ma [Nm]	1100	No Load Current	[A]	57,4
	Ma / Mn	2,60	No Load Power	[W]	3294

### MECHANICAL DATA

DE Bearing	6316-ZZ	Sound Pressure - 50 Hz - dB[B]	102
NDE Bearing	6316-ZZ	Sound Pressure - 60 Hz - dB[B]	109
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	18*11*125	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	115	615	-	457	406	115	550	216	65	M20	140	125	18	69
GD	H	HA	HC	HD	K	K1	L	LA	LB	M	N	P	S	S1	T
11	315	50	613	817,1	28	28	1156	-	-	-	-	-	-	-	-

