



GENERAL INFORMATION

Type	D2EG315M2BB3	Efficiency Class	IE2
Pout [kW]	160	Vibration Class	A
Speed [rpm]	2980	Weight [kg]	
Frame	315M	Degree of Protection	IP55
Current [A]	270	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	DM 315-2	
S1	IM B3	IP 55	I.C.L.F	η% IE2 - 94,8			
V	Hz	A	kW	cos φ	1 / min	LOAD	EFF.
Δ 400	50	270	160	0,9	2980	%75	94,2
Δ 480	60	270	192	0,9	3580	%50	94,6
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	512,75	270	2980	160000	0,9	94,8	50
400	75	383,53	204,1	2988	120000	0,9	94,2	50
400	50	255,18	146,2	2994	80000	0,83	94,6	50

Locked Rotor Current	Ia [A]	1947	Breakdown Torque	Mk [Nm]	2100
	Ia / In	7,21		Mk / Mn	4,10
Locked Rotor Torque	Ma [Nm]	978	No Load Current	[A]	61,3
	Ma / Mn	1,91	No Load Power	[W]	5838

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	-	-	-	-	-	-	-	-

