



GENERAL INFORMATION

Type	D2EG315S2AB3	Efficiency Class	IE2
Pout [kW]	110	Vibration Class	A
Speed [rpm]	2983	Weight [kg]	
Frame	315S	Degree of Protection	IP55
Current [A]	189	Cooling Method	IC 411
cos φ	0,89	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 315S-2	
S1	IM B3	IP 55	I.C.L.F	η% IE2 - 94,3			
V	Hz	A	kW	cos φ	1 / min	LOAD	EFF.
Δ 400	50	189	110	0,89	2983	%75	93,8
Δ 480	60	189	132	0,89	3583	%50	92,7
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	352,16	189	2983	110000	0,89	94,3	50
400	75	263,77	147	2987	82500	0,86	93,8	50
400	50	175,61	108,1	2991	55000	0,79	92,7	50

Locked Rotor Current	Ia [A]	1472	Breakdown Torque	Mk [Nm]	1450
	Ia / In	7,79		Mk / Mn	4,12
Locked Rotor Torque	Ma [Nm]	700	No Load Current	[A]	56,5
	Ma / Mn	1,99	No Load Power	[W]	3248

MECHANICAL DATA

DE Bearing	6316-ZZ	Sound Pressure - 50 Hz - dB[B]	101
NDE Bearing	6316-ZZ	Sound Pressure - 60 Hz - dB[B]	108
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	-	406	457	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	-	-	-	-	-	-	-	-

