


GENERAL INFORMATION

Type	D4EG315S4AB3	Efficiency Class	IE4
Pout [kW]	110	Vibration Class	A
Speed [rpm]	1490	Weight [kg]	
Frame	315S	Degree of Protection	IP55
Current [A]	189	Cooling Method	IC 411
cos φ	0,87	Insulation Class	F
Rotation	CW-CCW	Temperature Class	B
Duty	S1	Construction	IM B3
Ambient Temp. [°C]	-20...+40	Altitude above sea [m]	1000
Run [μf]	4000		

TSE		CE					
3~MOT	Type	DM DM 315S-4					
S1	IM B3	IP 55	I.C.L.F	η% IE4 - 96,3			
V	Hz	A	kW	cos φ	1 / min	LOAD	EFF.
Δ 400	50	189	110	0,87	1490	%75	95,1
						%50	94,7
	BEARING	GREASE	QUANTITY	CYCLE(HOURS)			
DE	6318	POLYREX EM	30 GR				
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	705,6	189,4	1488	110000	0,87	96,3	50
400	75	526,5	154,3	1493	82500	0,81	95,1	50
400	50	349,8	124,6	1495	55000	0,67	94,7	50

Locked Rotor Current	Ia [A]	1375	Breakdown Torque	Mk [Nm]	2256
	Ia / In	7,28		Mk / Mn	3,20
Locked Rotor Torque	Ma [Nm]	942	No Load Current	[A]	58
	Ma / Mn	1,34	No Load Power	[W]	2329

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		

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	-	-	-	-	-	-	-	-

