


GENERAL INFORMATION

Type	D3EG315M4BB35	Efficiency Class	IE3
Pout [kW]	160	Vibration Class	A
Speed [rpm]	1487	Weight [kg]	
Frame	315M	Degree of Protection	IP55
Current [A]	277	Cooling Method	IC 411
cos φ	0,88	Insulation Class	F
Rotation	CW-CCW	Temperature Class	B
Duty	S1	Construction	IM B35
Ambient Temp. [°C]	-20...+40	Altitude above sea [m]	1000

TSE		CE	
3~MOT	Type	DM 315L-4	
			
S1	IM B35	IP 55	I.C.L.F
η% IE3 - 95,8			
V	Hz	A	kW
Δ 400	50	277	160
Y 690	50	160	160
cos φ	1 / min	LOAD	EFF.
0,88	1487	%75	95,6
0,88	1487	%50	95,2
BEARING		GREASE	QUANTITY
DE	6318	POLYREX EM	30 GR
NDE	6318	POLYREX EM	30 GR
			CYCLE(HOURS)
			4000
			4000

ELECTRICAL DATA (RAW MEASUREMENT DATA)

V1	%Load	T [Nm]	I [A]	rpm	P2 [W]	cos φ	Efficiency	Hz
400	100	1027,57	277	1487	160000	0,88	95,8	50
400	75	769,64	214,6	1489	120000	0,84	95,6	50
400	50	511,72	156,1	1493	80000	0,78	95,2	50

Locked Rotor Current	Ia [A]	2077	Breakdown Torque	Mk [Nm]	3495
	Ia / In	7,50		Mk / Mn	3,40
Locked Rotor Torque	Ma [Nm]	3290	No Load Current	[A]	83,4
	Ma / Mn	3,20	No Load Power	[W]	2747

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	24	1132	600	550	660	24	8	6

