


GENERAL INFORMATION

Type	D3EG315L4AB35	Efficiency Class	IE3
Pout [kW]	185	Vibration Class	A
Speed [rpm]	1487	Weight [kg]	
Frame	315L	Degree of Protection	IP55
Current [A]	325	Cooling Method	IC 411
cos φ	0,86	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	325	185
Y 690	50	187	185
cos φ	1 / min	LOAD	EFF.
0,86	1487	%75	95,8
0,85	1487	%50	95,4
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	1188,13	325	1487	185000	0,86	95,8	50
400	75	888,71	249,8	1491	138750	0,84	95,8	50
400	50	591,28	186,7	1494	92500	0,75	95,4	50
Locked Rotor Current	Ia [A]	2407	Breakdown Torque		Mk [Nm]	4035		
	Ia / In	7,41			Mk / Mn	3,40		
Locked Rotor Torque	Ma [Nm]	3798	No Load Current		[A]	105,1		
	Ma / Mn	3,20	No Load Power		[W]	3172		

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	125	615	-	508	-	125	600	316	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	1190	24	1166	600	550	660	24	8	6

