



GENERAL INFORMATION

Type	D2EG315L2AB35	Efficiency Class	IE2
Pout [kW]	185	Vibration Class	A
Speed [rpm]	2984	Weight [kg]	
Frame	315L	Degree of Protection	IP55
Current [A]	312,3	Cooling Method	IC 411
cos φ	0,9	Insulation Class	F
Rotation	CW-CCW	Temperature Class	B
Duty	S1	Construction	IM B35
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 315L-2	
S1	IM B35	IP 55	I.C.L.F	η% IE2 - 95			
V	Hz	A	kW	cos φ	1 / min	LOAD	EFF.
Δ 400	50	312,3	185	0,9	2984	%75	94,8
Δ 480	60	312,3	222	0,89	3581	%50	94,4
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	592,07	312,3	2984	185000	0,9	95	50
400	75	443,16	234	2990	138750	0,9	94,8	50
400	50	295,25	160	2992	92500	0,88	94,4	50

Locked Rotor Current	Ia [A]	2348	Breakdown Torque	Mk [Nm]	1775
	Ia / In	7,52		Mk / Mn	3,00
Locked Rotor Torque	Ma [Nm]	1539	No Load Current	[A]	54,9
	Ma / Mn	2,60	No Load Power	[W]	3035

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

