

GENERAL INFORMATION

Type	D3EG315M2BB35	Efficiency Class	IE3
Pout [kW]	160	Vibration Class	A
Speed [rpm]	2980	Weight [kg]	
Frame	315M	Degree of Protection	IP55
Current [A]	262	Cooling Method	IC 411
cos φ	0,92	Insulation Class	F
Rotation	CW-CCW	Temperature Class	B
Duty	S1	Construction	IM B35
Ambient Temp. [°C]	-20...+40	Altitude above sea [m]	1000

3~MOT		Type		DM 315L-2			η%	
S1		IM B35		IP 55		I.C.L.F.		IE3 - 95,7
V	Hz	A	kW	cos φ	1 / min	LOAD	EFF.	
Δ 400	50	262	160	0,92	2980	%75	95,7	
Y 690	50	151,2	160	0,92	2980			
Δ 460	60	228,8	160	0,92	3583	%50	95	
Δ 480	60	262	192	0,92	3580			

ELECTRICAL DATA (RAW MEASUREMENT DATA)

V1	%Load	T [Nm]	I [A]	rpm	P2 [W]	cos φ	Efficiency	Hz
400	100	512,75	262	2980	160000	0,92	95,7	50
400	75	383,92	199,3	2985	120000	0,91	95,7	50
400	50	255,52	139,8	2990	80000	0,87	95	50

Locked Rotor Current	Ia [A]	1785	Breakdown Torque	Mk [Nm]	2340
	Ia / In	6,81		Mk / Mn	4,56
Locked Rotor Torque	Ma [Nm]	1290	No Load Current	[A]	55,5
	Ma / Mn	2,52	No Load Power	[W]	3053

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	115	615	-	457	406	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	24	1132	600	550	660	24	8	6

