



GENERAL INFORMATION

Type	D3EG315S2AB3	Efficiency Class	IE3
Pout [kW]	110	Vibration Class	A
Speed [rpm]	2982	Weight [kg]	
Frame	315S	Degree of Protection	IP55
Current [A]	188	Cooling Method	IC 411
cos φ	0,89	Insulation Class	F
Rotation	CW-CCW	Temperature Class	B
Duty	S1	Construction	IM B3
Ambient Temp. [°C]	-20...+40	Altitude above sea [m]	1000

 		3~MOT		Type	DM 315S-2			η%	
		S1		IM B3	IP 55	I.C.L.F.		IE3 - 95,2	
	V	Hz	A	kW	cos φ	1 / min	LOAD	EFF.	
Δ	400	50	188	110	0,89	2982	%75	95	
Y	690	50	109	110	0,89	2982			
Δ	460	60	166	110	0,89	3584	%50	94,5	
Δ	480	60	188	132	0,89	3582			

ELECTRICAL DATA (RAW MEASUREMENT DATA)

V1	%Load	T [Nm]	I [A]	rpm	P2 [W]	cos φ	Efficiency	Hz
400	100	352,28	188	2982	110000	0,89	95,2	50
400	75	263,77	145,5	2987	82500	0,86	95	50
400	50	175,61	108,1	2991	55000	0,78	94,5	50

Locked Rotor Current	Ia [A]	1506	Breakdown Torque	Mk [Nm]	1570
	Ia / In	8,01		Mk / Mn	4,46
Locked Rotor Torque	Ma [Nm]	1100	No Load Current	[A]	56
	Ma / Mn	3,12	No Load Power	[W]	3409

MECHANICAL DATA

DE Bearing	6316-ZZ	Sound Pressure - 50 Hz - dB[B]	101
NDE Bearing	6316-ZZ	Sound Pressure - 60 Hz - dB[B]	108
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	-	406	457	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	-	-	-	-	-	-	-	-

