

GENERAL INFORMATION

Type	D3EG225S4AB3	Efficiency Class	IE3
Pout [kW]	37	Vibration Class	A
Speed [rpm]	1482	Weight [kg]	
Frame	225S	Degree of Protection	IP65
Current [A]	67,6	Cooling Method	IC 411
cos φ	0,83	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 225S-4			η%	
S1		IM B3		IP 65		I.C.L.F.		IE3 - 93,9
V	Hz	A	kW	cos φ	1 / min	LOAD	EFF.	
Δ 400	50	67,6	37	0,83	1482	%75	93,8	
Y 690	50	39	37	0,83	1482			
Δ 460	60	59,5	37	0,82	1782	%50	93,7	
Δ 460	60	66,6	42,6	0,83	1780			

ELECTRICAL DATA (RAW MEASUREMENT DATA)

V1	%Load	T [Nm]	I [A]	rpm	P2 [W]	cos φ	Efficiency	Hz
400	100	238,43	67,6	1482	37000	0,83	93,9	50
400	75	178,34	54,2	1486	27750	0,79	93,8	50
400	50	118,49	42,4	1491	18500	0,67	93,7	50

Locked Rotor Current	Ia [A]	630	Breakdown Torque	Mk [Nm]	896
	Ia / In	9,32		Mk / Mn	3,76
Locked Rotor Torque	Ma [Nm]	870	No Load Current	[A]	31
	Ma / Mn	3,65	No Load Power	[W]	1034

MECHANICAL DATA

DE Bearing	6313-ZZ	Sound Pressure - 50 Hz - dB[B]	92
NDE Bearing	6213-ZZ	Sound Pressure - 60 Hz - dB[B]	95
Fixed Bearing	YES	Housing Material	Cast Iron
Lubrication	Optional	DE Shield Material	Cast Iron
Grease Amount	30 gr	Terminal Box Material	Aluminium
Grease Type	POLYREX EM	Cable Entry	M50
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
356	82	76	432	-	286	311	76	366	149	60	M20	140	125	18	64
GD	H	HA	HC	HD	K	K1	L	LA	LB	M	N	P	S	S1	T
11	225	30	433	517	18,5	18,5	843,8	-	-	-	-	-	-	-	-

