

GENERAL INFORMATION

Type	D2EG225S6AB35	Efficiency Class	IE2
Pout [kW]	30	Vibration Class	A
Speed [rpm]	985	Weight [kg]	
Frame	225S	Degree of Protection	IP55
Current [A]	58,3	Cooling Method	IC 411
cos φ	0,82	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		CE		TS		QR		
ONLY ACC. EU REGULATION 640/2009								
3~MOT	Type	DM 225S-6						
S1	IM B35	IP 55	I.C.L.F		η%			
	V	Hz	A	kW	cos φ	1 / min	LOAD	EFF.
Δ	400	50	58,3	30	0,82	985	%75	89,2
Δ	480	60	58,3	36	0,81	1182	%50	88,9

ELECTRICAL DATA (RAW MEASUREMENT DATA)

V1	%Load	T [Nm]	I [A]	rpm	P2 [W]	cos φ	Efficiency	Hz
400	100	290,86	58,3	985	30000	0,82	91,7	50
400	75	217,71	46	987	22500	0,79	89,2	50
400	50	144,41	35	992	15000	0,7	88,9	50

Locked Rotor Current	Ia [A]	330	Breakdown Torque	Mk [Nm]	536
	Ia / In	5,66		Mk / Mn	1,84
Locked Rotor Torque	Ma [Nm]	670	No Load Current	[A]	24
	Ma / Mn	2,30	No Load Power	[W]	847

MECHANICAL DATA

DE Bearing	6313-ZZ	Sound Pressure - 50 Hz - dB[B]	90
NDE Bearing	6213-ZZ	Sound Pressure - 60 Hz - dB[B]	93
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	765,7	20,5	745,2	400	350	450	18,5	8	5

