

GENERAL INFORMATION

Type	D2EG280M2AB3	Efficiency Class	IE2
Pout [kW]	90	Vibration Class	A
Speed [rpm]	2985	Weight [kg]	
Frame	280M	Degree of Protection	IP55
Current [A]	155	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

USE WITH VARIABLE SPEED DRIVE		CE		TS		QR	
ONLY ACC. EU REGULATION 640/2009							
3~MOT	Type	DM 280M-2					
S1	IM B3	IP 55	I.C.L.F	η%			
				IE2 - 94,1			
V	Hz	A	kW	cos φ	1 / min	LOAD	EFF.
Δ 400	50	155	90	0,89	2985	%75	94
Δ 480	60	155	108	0,88	3582	%50	93

ELECTRICAL DATA (RAW MEASUREMENT DATA)

V1	%Load	T [Nm]	I [A]	rpm	P2 [W]	cos φ	Efficiency	Hz
400	100	287,94	155	2985	90000	0,89	94,1	50
400	75	215,74	120,3	2988	67500	0,86	94	50
400	50	143,63	87,7	2992	45000	0,8	93	50

Locked Rotor Current	Ia [A]	1440	Breakdown Torque	Mk [Nm]	1016
	Ia / In	9,29		Mk / Mn	3,53
Locked Rotor Torque	Ma [Nm]	730	No Load Current	[A]	47
	Ma / Mn	2,54	No Load Power	[W]	3094

MECHANICAL DATA

DE Bearing	6315-ZZ	Sound Pressure - 50 Hz - dB[B]	101
NDE Bearing	6315-ZZ	Sound Pressure - 60 Hz - dB[B]	108
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
457	120	85	545	-	419	386	85	474	190	65	M20	140	125	18	69
GD	H	HA	HC	HD	K	K1	L	LA	LB	M	N	P	S	S1	T
11	280	40	530	629,9	24	24	970	-	-	-	-	-	-	-	-

