

### GENERAL INFORMATION

Type	D2EG280M4BB3	Efficiency Class	IE2
Pout [kW]	90	Vibration Class	A
Speed [rpm]	1480	Weight [kg]	
Frame	280M	Degree of Protection	IP55
Current [A]	161	Cooling Method	IC 411
cos φ	0,86	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-4					
S1	IM B3	IP 55	I.C.L.F	η%			
				IE2 - 94,2			
V	Hz	A	kW	cos φ	1 / min	LOAD	EFF.
Δ 400	50	161	90	0,86	1480	%75	94
Δ 480	60	161	108	0,85	1775	%50	94,1

### ELECTRICAL DATA ( RAW MEASUREMENT DATA )

V1	%Load	T [Nm]	I [A]	rpm	P2 [W]	cos φ	Efficiency	Hz
400	100	580,74	161	1480	90000	0,86	94,2	50
400	75	434,38	123,1	1484	67500	0,84	94	50
400	50	288,42	88,2	1490	45000	0,78	94,1	50

  

Locked Rotor Current	Ia [A]	925	Breakdown Torque	Mk [Nm]	1215
	Ia / In	5,75		Mk / Mn	2,09
Locked Rotor Torque	Ma [Nm]	1208	No Load Current	[A]	45,9
	Ma / Mn	2,08	No Load Power	[W]	1469

### MECHANICAL DATA

DE Bearing	6316-ZZ	Sound Pressure - 50 Hz - dB[B]	101
NDE Bearing	6316-ZZ	Sound Pressure - 60 Hz - dB[B]	104
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	20*12*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	75	M20	140	125	20	79,5
GD	H	HA	HC	HD	K	K1	L	LA	LB	M	N	P	S	S1	T
12	280	40	530	629,9	24	24	970	-	-	-	-	-	-	-	-

