

GENERAL INFORMATION

Type	D2EA112M2BB3YY	Efficiency Class	IE2
Pout [kW]	5,5	Vibration Class	A
Speed [rpm]	2900	Weight [kg]	
Frame	112M-C	Degree of Protection	IP55
Current [A]	10,1	Cooling Method	IC 411
cos φ	0,9	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 C 112-2					
S1	IM B3	IP 55	I.C.L.F	η%			
	V	Hz	A	kW	cos φ	1 / min	LOAD
Δ	400	50	10,1	5,5	0,9	2900	%75
Δ	480	60	10,1	6,6	0,89	3485	%50
							EFF.
							87,7
							87,2

ELECTRICAL DATA (RAW MEASUREMENT DATA)

V1	%Load	T [Nm]	I [A]	rpm	P2 [W]	cos φ	Efficiency	Hz
400	100	18,11	10,1	2900	5500	0,9	87	50
400	75	13,5	7,4	2917	4125	0,92	87,7	50
400	50	8,92	5,4	2945	2750	0,84	87,2	50

Locked Rotor Current	Ia [A]	83	Breakdown Torque	Mk [Nm]	76
	Ia / In	8,22		Mk / Mn	4,20
Locked Rotor Torque	Ma [Nm]	58	No Load Current	[A]	2,8
	Ma / Mn	3,20	No Load Power	[W]	227

MECHANICAL DATA

DE Bearing	6206-ZZ	Sound Pressure - 50 Hz - dB[B]	85
NDE Bearing	6206-ZZ	Sound Pressure - 60 Hz - dB[B]	90
Fixed Bearing	YES	Housing Material	Aluminium
Lubrication	-	DE Shield Material	Aluminium
Grease Amount	-	Terminal Box Material	Polyamide
Grease Type	-	Cable Entry	PG 16
Feather Key	8*7*50	Cable Gland Position	4
Balance	G 1,6 Half Key		

MECHANICAL DIMENSIONS

A	AA	AB	AC	AD	B	B'	BA	BB	C	D	d	E	EB	F	GA
190	51	38	219	-	140	-	38	175	70	28	M10	60	50	8	31
GD	H	HA	HC	HD	K	K1	L	LA	LB	M	N	P	S	S1	T
7	112	13	224,5	278,5	18	12	401,9	-	-	-	-	-	-	-	-

