



### GENERAL INFORMATION

Type	D2EA80M2AB3SYY	Efficiency Class	IE2
Pout [kW]	0,75	Vibration Class	A
Speed [rpm]	2895	Weight [kg]	
Frame	80M	Degree of Protection	IP55
Current [A]	3,6	Cooling Method	IC 411
cos φ	0,66	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 ONLY ACC. EU REGULATION 640/2009															
						3~MOT	Type	DM 80-2							
S1		IMB3		IP 55		I.C.L.F		η%							
V		Hz		A		kW		cos φ		1 / min		LOAD		EFF.	
Δ 230		50		2,77		0,75		0,82		2860		%75		77,4	
Y 400		50		1,6		0,75		0,82		2860					
Y 480		60		1,6		0,9		0,9		3435		%50		77	

### ELECTRICAL DATA ( RAW MEASUREMENT DATA )

V1	%Load	T [Nm]	I [A]	rpm	P2 [W]	cos φ	Efficiency	Hz
400	100	2,47	1,8	2895	750	0,77	77,4	50
400	75	1,83	1,6	2925	560	0,65	77,4	50
400	50	1,21	1,5	2950	375	0,47	77	50

Locked Rotor Current	Ia [A]	9,4	Breakdown Torque	Mk [Nm]	6,7
	Ia / In	2,61		Mk / Mn	2,71
Locked Rotor Torque	Ma [Nm]	4,4	No Load Current	[A]	1,46
	Ma / Mn	1,78	No Load Power	[W]	155

### MECHANICAL DATA

DE Bearing	6204-ZZ	Sound Pressure - 50 Hz - dB[B]	80
NDE Bearing	6204-ZZ	Sound Pressure - 60 Hz - dB[B]	87
Fixed Bearing	YES	Housing Material	Aluminium
Lubrication	-	DE Shield Material	Aluminium
Grease Amount	-	Terminal Box Material	Polyamide
Grease Type	-	Cable Entry	PG 11
Feather Key	6*6*32	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
125	35,07	32,03	158,2	-	100	-	32,03	125,07	50	19	M6	40	32	6	21,5
GD	H	HA	HC	HD	K	K1	L	LA	LB	M	N	P	S	S1	T
6	80	14	159,5	207,5	15	10	264	-	-	-	-	-	-	-	-

