



### GENERAL INFORMATION

Type	D2EA90L2BB3YY	Efficiency Class	IE2
Pout [kW]	3	Vibration Class	A
Speed [rpm]	2885	Weight [kg]	
Frame	90L-C	Degree of Protection	IP55
Current [A]	10,4	Cooling Method	IC 411
cos φ	0,85	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
				η%			
				IE2 - 84,6			
S1	IM B3	IP 55	I.C.L.F				
V	Hz	A	kW	cos φ	1 / min	LOAD	EFF.
Δ 230	50	10,4	3	0,85	2885	%75	81,6
Y 400	50	6,0	3	0,85	2885		
Y 480	60	6,0	3,6	0,84	3460	%50	78

### ELECTRICAL DATA ( RAW MEASUREMENT DATA )

V1	%Load	T [Nm]	I [A]	rpm	P2 [W]	cos φ	Efficiency	Hz
400	100	9,93	6	2885	3000	0,85	84,6	50
400	75	7,36	4,8	2920	2250	0,83	81,6	50
400	50	4,86	3,8	2950	1500	0,73	78	50

Locked Rotor Current	Ia [A]	51,8	Breakdown Torque	Mk [Nm]	36,9
	Ia / In	4,98		Mk / Mn	3,72
Locked Rotor Torque	Ma [Nm]	28,26	No Load Current	[A]	3,2
	Ma / Mn	2,85	No Load Power	[W]	220

### MECHANICAL DATA

DE Bearing	6205-ZZ	Sound Pressure - 50 Hz - dB[B]	85
NDE Bearing	6205-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 11
Feather Key	8*7*40	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
140	40,1	35	178	-	125	-	35	155	56	24	M8	50	40	8	27
GD	H	HA	HC	HD	K	K1	L	LA	LB	M	N	P	S	S1	T
7	90	13,1	177	225	15	10	370	-	-	-	-	-	-	-	-

