



GENERAL INFORMATION

Type	D2EA90L2AB3SYY	Efficiency Class	IE2
Pout [kW]	2,2	Vibration Class	A
Speed [rpm]	2915	Weight [kg]	
Frame	90L	Degree of Protection	IP55
Current [A]	7,8	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	DM 90L-2							
S1		IM B3		IP 55		I.C.L.F		η%							
V		Hz		A		kW		cos φ		1 / min		LOAD		EFF.	
Δ 230		50		7,8		2,2		0,85		2915		%75		81,9	
Y 400		50		4,5		2,2		0,85		2915		%50		83,0	
Y 480		60		4,5		2,64		0,86		3500		%50		83,0	

ELECTRICAL DATA (RAW MEASUREMENT DATA)

V1	%Load	T [Nm]	I [A]	rpm	P2 [W]	cos φ	Efficiency	Hz
400	100	7,21	4,5	2915	2200	0,85	83,2	50
400	75	5,38	3,8	2940	1655	0,77	81,9	50
400	50	3,55	3,1	2960	1100	0,62	83	50

Locked Rotor Current	Ia [A]	39,5	Breakdown Torque	Mk [Nm]	28,7
	Ia / In	5,06		Mk / Mn	3,98
Locked Rotor Torque	Ma [Nm]	14,2	No Load Current	[A]	2,7
	Ma / Mn	1,97	No Load Power	[W]	220

MECHANICAL DATA

DE Bearing	6205-ZZ	Sound Pressure - 50 Hz - dB[B]	80
NDE Bearing	6205-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	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	-	-	-	-	-	-	-	-

