

GENERAL INFORMATION

Type	D2EA90S2AB3SYY	Efficiency Class	IE2
Pout [kW]	1,5	Vibration Class	A
Speed [rpm]	2900	Weight [kg]	
Frame	90S	Degree of Protection	IP55
Current [A]	5,7	Cooling Method	IC 411
cos φ	0,81	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 90S-2					
S1	IM B3	IP 55	I.C.L.F		η%		IE2 - 81,3
V	Hz	A	kW	cos φ	1 / min	LOAD	EFF.
Δ 230	50	5,7	1,5	0,81	2900	%75	82
Y 400	50	3,3	1,5	0,81	2900		
Y 480	60	3,3	1,8	0,81	3480	%50	81

ELECTRICAL DATA (RAW MEASUREMENT DATA)

V1	%Load	T [Nm]	I [A]	rpm	P2 [W]	cos φ	Efficiency	Hz
400	100	4,94	3,3	2900	1500	0,81	81,3	50
400	75	3,67	2,7	2925	1125	0,73	82	50
400	50	2,44	2,3	2950	755	0,58	81	50

Locked Rotor Current	Ia [A]	24,3	Breakdown Torque	Mk [Nm]	18
	Ia / In	4,26		Mk / Mn	3,64
Locked Rotor Torque	Ma [Nm]	13,5	No Load Current	[A]	2
	Ma / Mn	2,73	No Load Power	[W]	170

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	34	178	-	100	-	34	130	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	16,26	10	338	-	-	-	-	-	-	-	-

