




GENERAL INFORMATION

Type	DSSA90S4AB3	Efficiency Class	-
Pout [kW]	0,55	Vibration Class	A
Speed [rpm]	1420	Weight [kg]	
Frame	90S	Degree of Protection	IP55
Current [A]	4,5	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
Run [μf]	20	Start [μf]	124-149

  					
1~MOT	Type	DM 90S-4			
S1	IM B3	IP 55	I.C.L.F		
V	Hz	A	kW	cos φ	1 / min
220	50	4,5	0,55	0,85	1420
CAPACITOR 20 μF 450 V / 124-149 μF 250 V					

ELECTRICAL DATA (RAW MEASUREMENT DATA)

V1	%Load	T [Nm]	I [A]	rpm	P2 [W]	cos φ	Efficiency	Hz
220	100	3,7	4,5	1420	550	0,85	69	50
Locked Rotor Current	Ia [A]	20,6	Breakdown Torque	Mk [Nm]	8,7			
	Ia / In	4,58		Mk / Mn	2,35			
Locked Rotor Torque	Ma [Nm]	9,3	No Load Current	[A]	4,63			
	Ma / Mn	2,51	No Load Power	[W]	476,8			

MECHANICAL DATA

DE Bearing	6205-ZZ	Sound Pressure - 50 Hz - dB[B]	75
NDE Bearing	6203-ZZ	Sound Pressure - 60 Hz - dB[B]	76
Fixed Bearing	NO	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	40,5	32,2	178	167,5	100	-	32,2	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	12	168	225,5	15	10	309	-	-	-	-	-	-	-	-

