DATASHEET

Single Phase Induction Motor - Squirrel Cage

GENERAL INFORMATION

Type	DSSA100L4BB3	Efficiency Class	-
Pout [kW]	3	Vibration Class	A
Speed [rpm]	1420	Weight [kg]	
Frame	100L	Degree of Protection	IP55
Current [A]	19	Cooling Method	IC 411
cos ϕ	0,91	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]	50	Start [µf]	280-333

1~MOT	Type	DM 100-4			
S1	IM B3		IP 55	I.CL.F	
V	Hz	A	kW	cos ϕ	1 / min
220	50	19	3	0,91	1420
CAPACITOR	50 µF	450 V	/	280-333 µF	250 V

ELECTRICAL DATA (RAW MEASUREMENT DATA)

V1	%Load	T [Nm]	I [A]	rpm	P2 [W]	cos ϕ	Efficiency	Hz
220	100	20,18	19	1420	3000	0,91	80	50

Locked Rotor Current	Ia [A]	60,2	Breakdown Torque	Mk [Nm]	32,5
	Ia / In	3,17		Mk / Mn	1,61
Locked Rotor Torque	Ma [Nm]	36,1	No Load Current	[A]	10,1
	Ma / Mn	1,79	No Load Power	[W]	595

MECHANICAL DATA

DE Bearing	6206-ZZ	Sound Pressure - 50 Hz - dB[B]	78	Cable Gland Position
NDE Bearing	6204-ZZ	Sound Pressure - 60 Hz - dB[B]	81	
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*50	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
160	45,6	40	197	177,5	140	-	40	174	63	28	M10	60	50	8	31
GD	**H**	**HA**	**HC**	**HD**	**K**	**K1**	**L**	**LA**	**LB**	**M**	**N**	**P**	**S**	**S1**	**T**
7	100	13	187	250,5	18	12	371,5	-	-	-	-	-	-	-	-