

Three Phase Induction Motor - Squirrel Cage

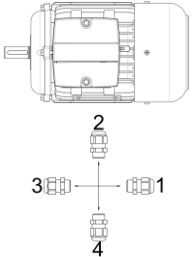
GENERAL INFORMATION

Type	V3EA100L4BB3	Construction	IM B3	Ambient Temp. [°C]	-20 / 40
Pout [kW]	3	Duty	S1	Vibration Class	A
Speed [rpm]	1445	Degree of Protection	IP55	Rotation	CW-CCW
Frame	100L	Cooling Method	IC411	Temperature Class	B
Current [A]	12,3	Insulation Class	F	Altitude above sea [m]	1000
cos ϕ	0,7	Weight [kg]			
Efficiency Class	IE3				

ELECTRICAL DATA (RAW MEASUREMENT DATA)

V1	%Load	T [Nm]	I [A]	rpm	P2 [W]	cos ϕ	Efficiency	Hz
230	100	19,83	12,3	1445	3000	0,7	87,7	50
230	75	14,72	10,4	1460	2250	0,64	85,3	50
230	50	9,71	9,2	1475	1500	0,5	82,6	50
Locked Rotor Current	Ia [A]	35,5	Breakdown Torque		Mk [Nm]	54		
	Ia / In	2,89			Mk / Mn	2,72		
Locked Rotor Torque	Ma [Nm]	49,7	No Load Current		[A]	4,65		
	Ma / Mn	2,51	No Load Power		[W]	245		

MECHANICAL DATA

DE Bearing	6206-ZZ	Sound Pressure - 50 Hz - dB[B]	78	
NDE Bearing	6206-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	M20	
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	48	200	194	146	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	197	250	12	18	425	-	-	-	-	-	-	-	-

