

GENERAL INFORMATION

Type	V3EA100L2AB3YY	Construction	IM B3	Ambient Temp. [°C]	-20 / +40
Pout [kW]	3	Duty	S1	Vibration Class	A
Speed [rpm]	2915	Degree of Protection	IP55	Rotation	CW-CCW
Frame	100L	Cooling Method	IC411	Temperature Class	B
Current [A]	5,9	Insulation Class	F	Altitude above sea [m]	1000
cos φ	0,84	Weight [kg]			
Efficiency Class	IE3				

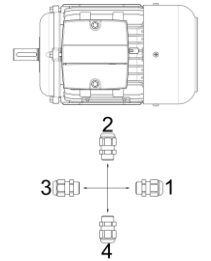
ELECTRICAL DATA (RAW MEASUREMENT DATA)

V1	%Load	T [Nm]	I [A]	rpm	P2 [W]	cos φ	Efficiency	Hz
400	100	9,8	5,9	2915	3000	0,84	87,1	50
400	75	7,3	4,9	2940	2255	0,79	84,6	50
400	50	4,9	4,1	2955	1510	0,61	86,8	50

Locked Rotor Current	Ia [A]	54,8	Breakdown Torque	Mk [Nm]	41,8
	Ia / In	9,29		Mk / Mn	4,27
Locked Rotor Torque	Ma [Nm]	35,7	No Load Current	[A]	3,1
	Ma / Mn	3,64	No Load Power	[W]	235

MECHANICAL DATA

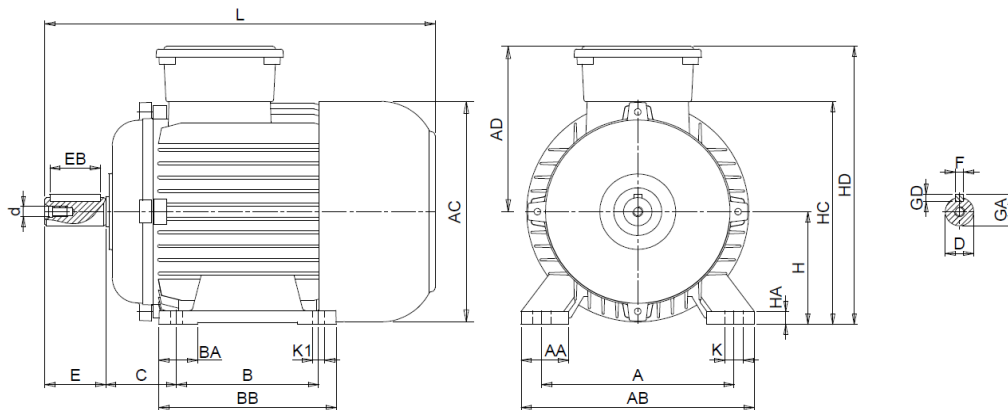
DE Bearing	6206-ZZ	Sound Pressure - 50 Hz - dB[B]	85	Cable Gland Position
NDE Bearing	6206-ZZ	Sound Pressure - 60 Hz - dB[B]	90	
Fixed Bearing	YES	Housing Material	Aluminium	
Lubrication	-	DE Shield Material	Aluminium	
Grease Amount	-	Terminal Box Material	Polyamide	
Grease Type	-	Cable Entry	M20	
Feather 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	46	200	197	152,4	140	-	40	175	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	197,5	252,4	18	12	374,4**	-	-	-	-	-	-	-	-

**Motor length with plastic fan cover [L]=372,4 mm. Non standard dimensions[*] for IEC 60072-1 may vary.



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Volt Motor has right to change all the data without prior notice.