

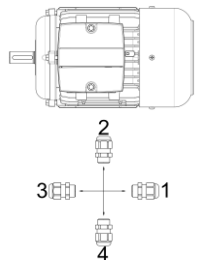
GENERAL INFORMATION

Type	V3EA100L4BB3YY	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]	6,7	Insulation Class	F	Altitude above sea [m]	1000
cos φ	0,73842552624	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	19,87	6,7	1445	3006	0,74	87,7	50
400	75	14,73	5,7	1460	2252	0,67	85,3	50
400	50	9,72	4,9	1475	1502	0,54	82,6	50
Locked Rotor Current	Ia [A]	45,95	Breakdown Torque		Mk [Nm]	64,66		
	Ia / In	6,86			Mk / Mn	3,25		
Locked Rotor Torque	Ma [Nm]	54,75	No Load Current		[A]	4,2		
	Ma / Mn	2,76	No Load Power		[W]	254		

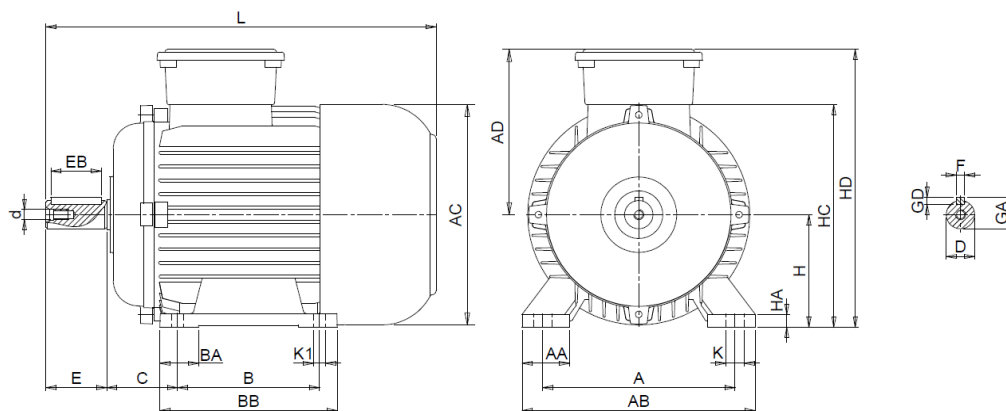
MECHANICAL DATA

DE Bearing	6206-ZZ	Sound Pressure - 50 Hz - dB[B]	78	
NDE Bearing	6206-ZZ	Sound Pressure - 60 Hz - dB[B]	81	
Fixed Bearing	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	12	18	412*	-	-	-	-	-	-	-	-

*Motor length with plastic fan cover [L]=410 mm.



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