DATASHEET

Three Phase Induction Motor - Squirrel Cage

GENERAL INFORMATION

Type	V3EA180L6AB3	Construction	IM B3	Ambient Temp. [°C]	-20 / +40
Pout [kW]	15	Duty	S1	Vibration Class	A
Speed [rpm]	965	Degree of Protection	IP55	Rotation	CW-CCW
Frame	180L	Cooling Method	IC411	Temperature Class	B
Current [A]	28,4	Insulation Class	F	Altitude above sea [m]	1000
cos ϕ	0,84	Weight [kg]			
Efficiency Class	IE3				

ELECTRICAL DATA (RAW MEASUREMENT DATA)

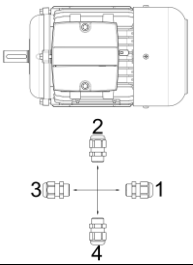
V1	%Load	T [Nm]	I [A]	rpm	P2 [W]	cos ϕ	Efficiency	Hz
400	100	148,4	28,4	965	15000	0,84	91,2	50
400	75	109,9	21,9	978	11250	0,81	91	50
400	50	72,5	16,8	988	7500	0,71	90,6	50

Locked Rotor Current	Ia [A]	141	Breakdown Torque	Mk [Nm]	342
	Ia / In	4,96		Mk / Mn	2,30
Locked Rotor Torque	Ma [Nm]	184	No Load Current	[A]	10,6
	Ma / Mn	1,24	No Load Power	[W]	421

MECHANICAL DATA

DE Bearing	6310-ZZ	Sound Pressure - 50 Hz - dB[B]	87
NDE Bearing	6210-ZZ	Sound Pressure - 60 Hz - dB[B]	90
Fixed Bearing	YES	Housing Material	Aluminium
Lubrication	-	DE Shield Material	Aluminium
Grease Amount	-	Terminal Box Material	Aluminium
Grease Type	-	Cable Entry	M32
Feather Key	14*9*100	Cable Gland Position	4
Balance	G 2,5 Half Key		

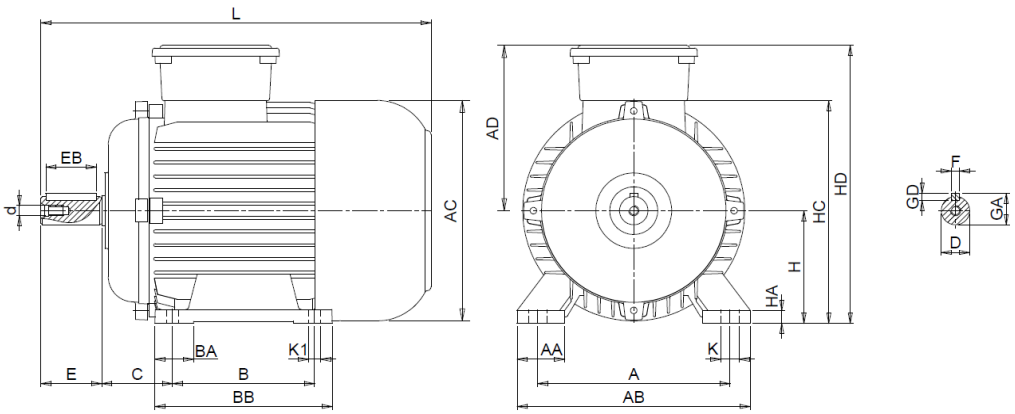
Cable Gland Position



MECHANICAL DIMENSIONS

A	AA*	AB*	AC*	AD*	B	B'*	BA*	BB*	C	D	d	E	EB	F	GA
279	73	344	347,4	253	279	-	50,75	329	121	48	M16	110	100	14	51,5
GD	H	HA*	HC*	HD*	K*	K1	L*	LA*	LB*	M	N	P	S	S1	T
9	180	25	356	433	14,5	14,5	707,3	-	-	-	-	-	-	-	-

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.