Customer information packet

MM08554-S-AP

M3AA 80 A 4P B3 .55KW

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IEC LV MOTORS

Motor data sheet

M3AA 80A 4

Definition	Data	Unit	Remarks	
Product code	3GAA082311-**E	CA501 Catalog numbers		MM08554-S-AP (B3)
Voltage code	S			MVM08554D-S-AP (B5) MVM08554C-S-AP (B14)
Type/Frame	M3AA 80A 4			
Design	CENELEC			
Efficiency class	IE2			
Rated output P_N	0.55	kW	Usable at 230VD, 60Hz	
Rated voltage U_N	460	V	± 5 % (IEC 60034-1)	
Rated frequency f_N	60	Hz	± 2 % (IEC 60034-1)	
Rated speed n_N	1721	r/min		
Rated current I_N	1.15	A		
Starting current I_S/I_N	6.5			
Nominal torque T_N	3.05	Nm		
Locked rotor torque T_l/T_N	3.1			
Maximum torque T_b/T_N	3.5			
Efficiency - full load 100%	75.49	%	Acc. to IEC 60034-2-1	
Efficiency - 75%	75.62	%		
Efficiency - 50%	72.2	%		
Power factor - full load 100%	0.74			
Bearing DE/NDE	6204-2Z/C3 6203-2Z/C3			
Sound pressure level L_{PA} dB	53	dB(A)	+3dB(A)	
Moment of inertia J = ¼ GD^2 kgm^2	0	kg-m²		
Weight	9.6	kg		

All data subject to tolerances in accordance with IEC. Data subject to changes.

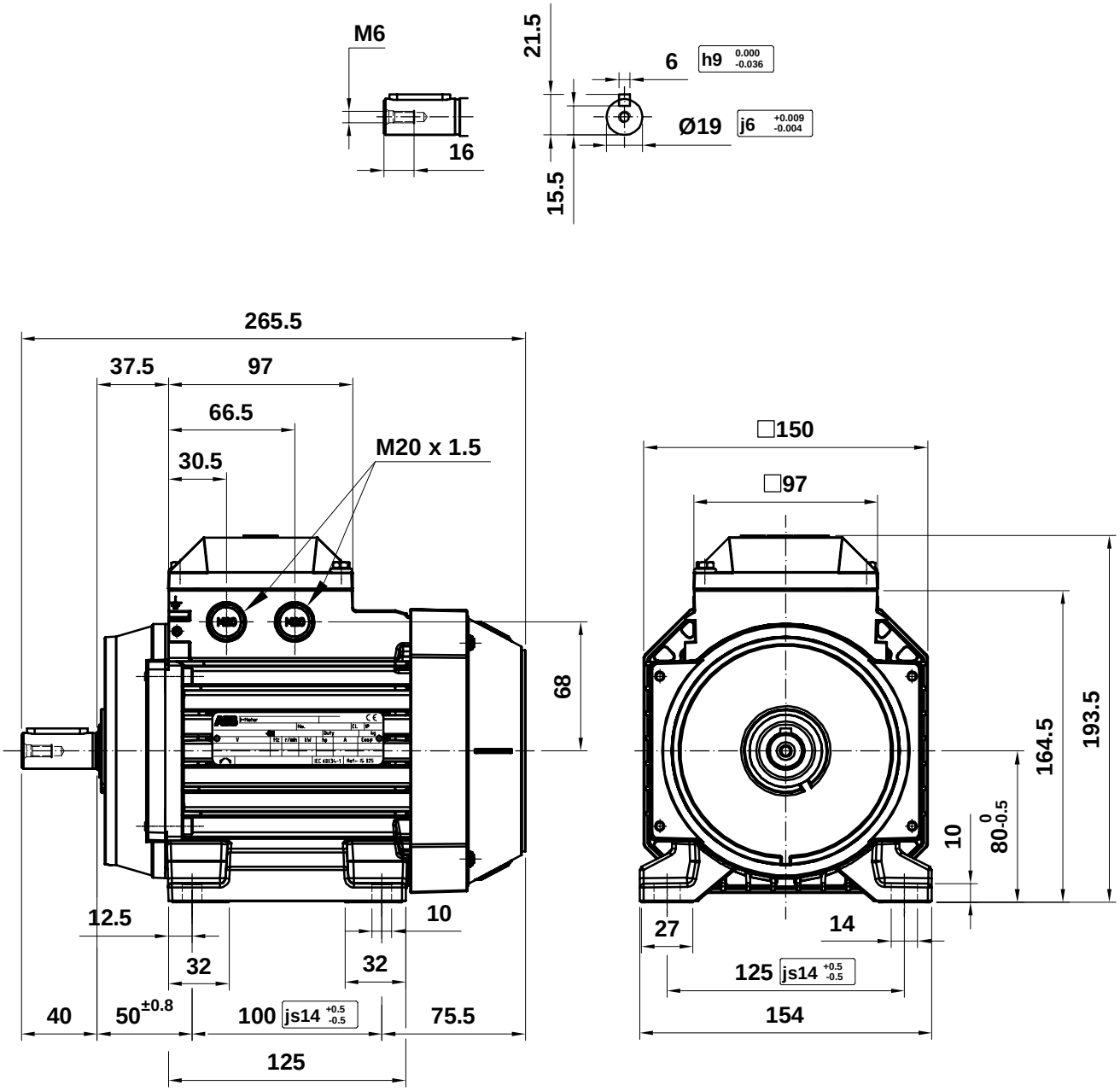
IEC LV MOTORS

Motor data sheet

M3AA 80A 4

Definition	Data	Unit	Remarks	
Product code	3GAA082311-**E	CA 501 Catalog numbers		MM08554-S-A P (B3)
Voltage code	D			MVM08554D-S-A P (B5)
Type/Frame	M3AA 80A 4			MVM08554C-S-A P (B14)
Design	CENELEC			
Efficiency class	IE2			
Rated output P_N	0.55	kW		
Rated voltage U_N	400	V	± 5 % (IEC 60034-1)	
Rated frequency f_N	50	Hz	± 2 % (IEC 60034-1)	
Rated speed n_N	1406	r/min		
Rated current I_N	1.29	A		
Starting current I_S/I_N	5.4			
Nominal torque T_N	3.73	Nm		
Locked rotor torque T_l/T_N	2.8			
Maximum torque T_b/T_N	2.9			
Efficiency - full load 100%	77.1	%	Acc. to IEC 60034-2-1	
Efficiency - 75%	78.57	%		
Efficiency - 50%	76.79	%		
Power factor - full load 100%	0.78			
Bearing DE/NDE	6204-2Z/C3 6203-2Z/C3			
Sound pressure level L_{PA} dB	50	dB(A)	+3dB(A)	
Moment of inertia J = ¼ GD^2 kgm^2	0	kg-m²		
Weight	9.6	kg		

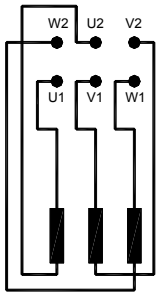
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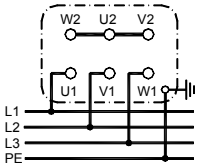
M3AA 080

Motor Dimension Print	Motor Type : M3AA 080	Document Nº : A1.5015 / 3D A2.5015
Description : Motor foot mounted IM1001 / Motor con patas IM1001		
Unit : Discrete Automation & Motion - Fáb. Motores Date : 2012-01-26	Issued by : ERM/J.L. Bayo Approved by : ERM/G.Blanes	Replaces : To date 2009-03-18 Replaced by :
Asea Brown Boveri, S.A.	Customer Reference :	

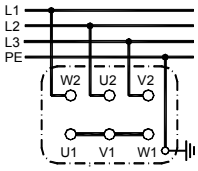
Diagram of connection
Anschluss-Schema
Schema de branchement

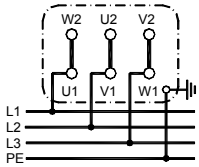


Connection of terminals
Anschluss des Motors
Branchement des bornes

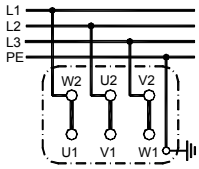


Y-connection
Y-Schaltung
Connection etoile





D-connection
D-Schaltung
Connection triangle





Direction of rotation with phase sequence shown in picture
Drehrichtung nach Schaltbild
Direction de rotation avec branchement ci-dessus



Direction of rotation with reversed phase sequence
Drehrichtung mit umgekehrter Phasenfolge
Direction de rotation avec sequence de phase reversée

Motor No Maschine Nr No du moteur	
ABB Oy, Motors	3GZF321100-1 E

Connection Diagram				Document No: 3GZF321100-1 E
Description:	3-PHASE SQUIRREL-CAGE MOTOR			
Unit:	Motors	Issued by:	M Prusi	Replaces:
Date:	21.09.2005	Approved by:	Jari Raittila	Replaced by:
ABB Oy	Customer Reference:			