Customer information packet

MVM06252D-S-AP

M3AA 63 B 2P B5 .25KW

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IEC LV MOTORS

Motor data sheet

M3AA 63B 2

Definition	Data	Unit	Remarks
Product code	3GAA061312-**F		CalcId: 3GAA061002-E_S
Voltage code	S		US BUS Cat # MVM06252C-S-AP B14
Type/Frame	M3AA 63B 2		~~MVM06252D-S-AP~~ B5 MM06252-S-AP B3
Design	BASIC		
Efficiency class	IE2		IEC 60034-2-1:2014
Rated output P_N	0.25	kW	Suitable for use 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	3420	r/min	
Rated current I_N	0.59	A	
Starting current I_S/I_N	5.7		
Nominal torque T_N	0.69	Nm	
Locked rotor torque T_l/T_N	3.6		
Maximum torque T_b/T_N	3.5		
Efficiency - full load 100%	68.0	%	IEC 60034-2-1:2014
Efficiency - 75%	65.4	%	
Efficiency - 50%	57.8	%	
Power factor - full load 100%	0.71		
Bearing DE/NDE	6201-2Z/C3 6201-2Z/C3		
Sound pressure level L_{PA} dB	63	dB(A)	+3dB(A)
Moment of inertia $J = ¼ GD^2$ kgm^2	0.00017	kg-m²	
Weight	4.1	kg	
Ambient temperature	40	°C	
Motor losses at VSD operating points	**losses in efficiency %**	**losses in Watt**	**losses in relative to nom. power %**
VSD Speed 90% Torque 100%			
VSD Speed 50% Torque 100%			
VSD Speed 25% Torque 100%			
VSD Speed 90% Torque 50%			
VSD Speed 50% Torque 25%			
VSD Speed 25% Torque 25%			

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

ABB MOTOR - RELIANCE CUSTOMER INFORMATION PACKET MVM06252C-S-AP; M3AA 63B 2 B14 0.25kW

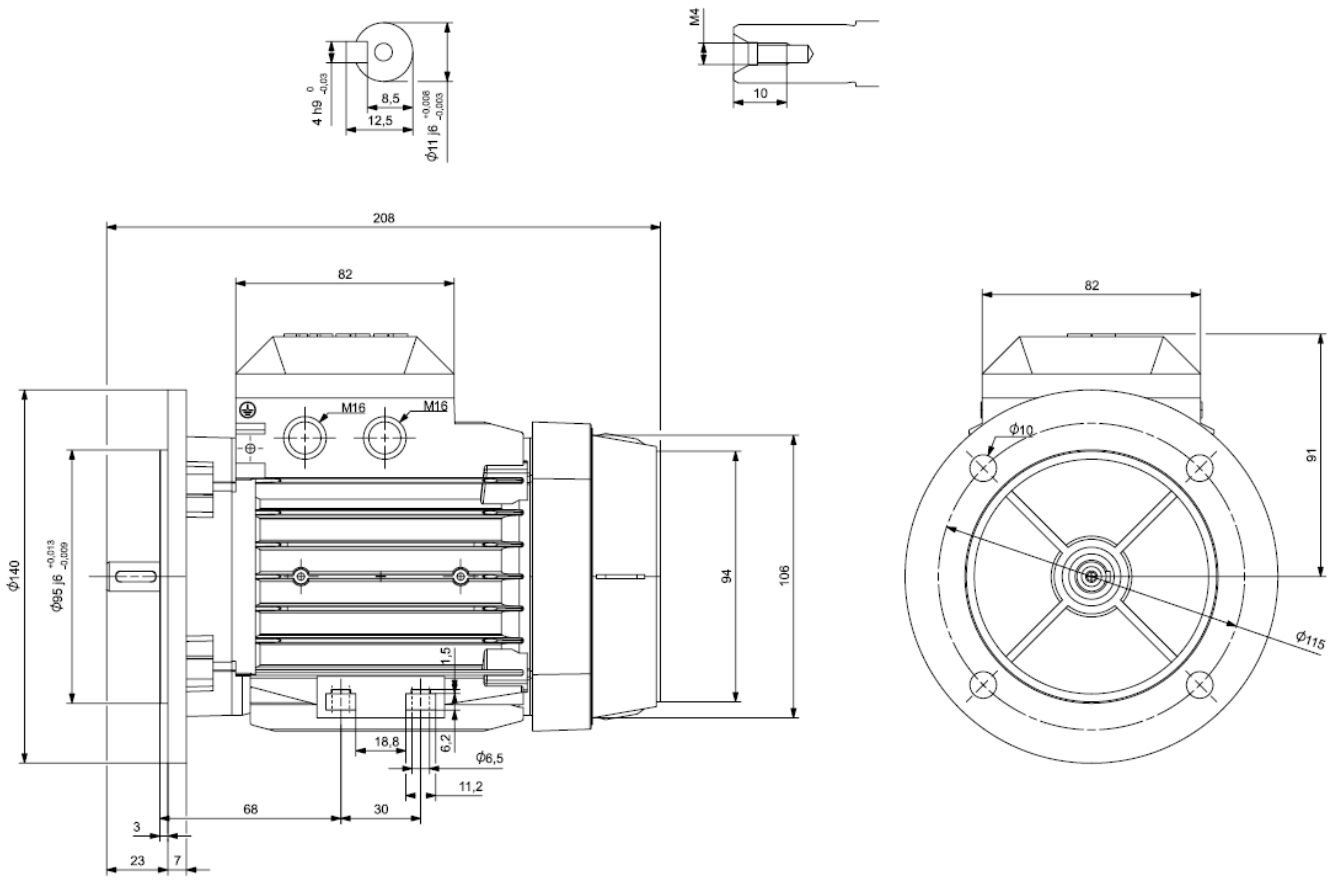
IEC LV MOTORS

Motor data sheet

M3AA 63B 2

Definition	Data	Unit	Remarks	
Product code	3GAA061312-**F		CalcId: 3GAA061002-E_S	
Voltage code	S	US BUS Cat #	MVM06252C-S-AP MVM06252B-S-AP	B14 B5
Type/Frame	M3AA 63B 2		MM06252-S-AP	B3
Design	BASIC			
Efficiency class	IE2		IEC 60034-2-1:2014	
Rated output P_N	0.25	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	2790	r/min		
Rated current I_N	0.66	A		
Starting current I_S/I_N	4.8			
Nominal torque T_N	0.86	Nm		
Locked rotor torque T_l/T_N	2.8			
Maximum torque T_b/T_N	2.7			
Efficiency - full load 100%	64.8	%	IEC 60034-2-1:2014	
Efficiency - 75%	63.2	%		
Efficiency - 50%	56.7	%		
Power factor - full load 100%	0.76			
Bearing DE/NDE	6201-2Z/C3 6201-2Z/C3			
Sound pressure level L_{PA} dB	61	dB(A)	+3dB(A)	
Moment of inertia J = ¼ GD^2 kgm^2	0.00017	kg-m²		
Weight	4.1	kg		
Ambient temperature	40	°C		
Motor losses at VSD operating points	**losses in efficiency %**	**losses in Watt**	**losses in relative to nom. power %**	
VSD Speed 90% Torque 100%				
VSD Speed 50% Torque 100%				
VSD Speed 25% Torque 100%				
VSD Speed 90% Torque 50%				
VSD Speed 50% Torque 25%				
VSD Speed 25% Torque 25%				

M3AA 63B 2 B14 0.25kW
MVM06252C-S-AP
MBA 63 2 B14
MM06252-S-AP
ABB MOTORS & GENERATORS
CUSTOMER INFORMATION PACKET
POWER
INFORMATION



Additional information:

Dimension Print	Motor Type: M3AA 63 B5 [F]	Document No: 3GZF500806-2 A

Description:

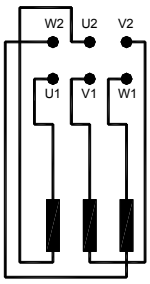
SQUIRREL CAGE MOTOR IM 3001, FLANGE MOUNTED, LARGE FLANGE

Unit:	Motors and Generators	Issued by:	Lach, Aleksandra	Replaces:	
Date:	21.10.2019	Approved by:	Lopaniewski, Piotr	Replaced by:	

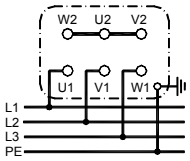
Customer Reference:

ABB MOTORS CUSTOMER INFORMATION PACKET M3AA 63B 2 B14 0.25kW M3AA63B2PB5-25AW M3AA 63B 2 B14 0.25kW

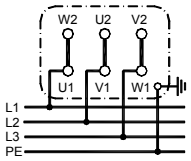
Diagram of connection
Anschluss-Schema
Schema de branchement



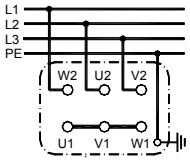
Connection of terminals
Anschluss des Motors
Branchement des bornes

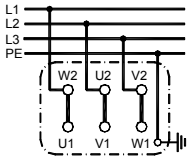


Y-connection
Y-Schaltung
Connection etoile



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: