Customer information packet

MVM06124D-S-AP

M3AA 63 A 4P B5 .12KW

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Motor data sheet

IEC LV MOTORS

M3AA 63A 4

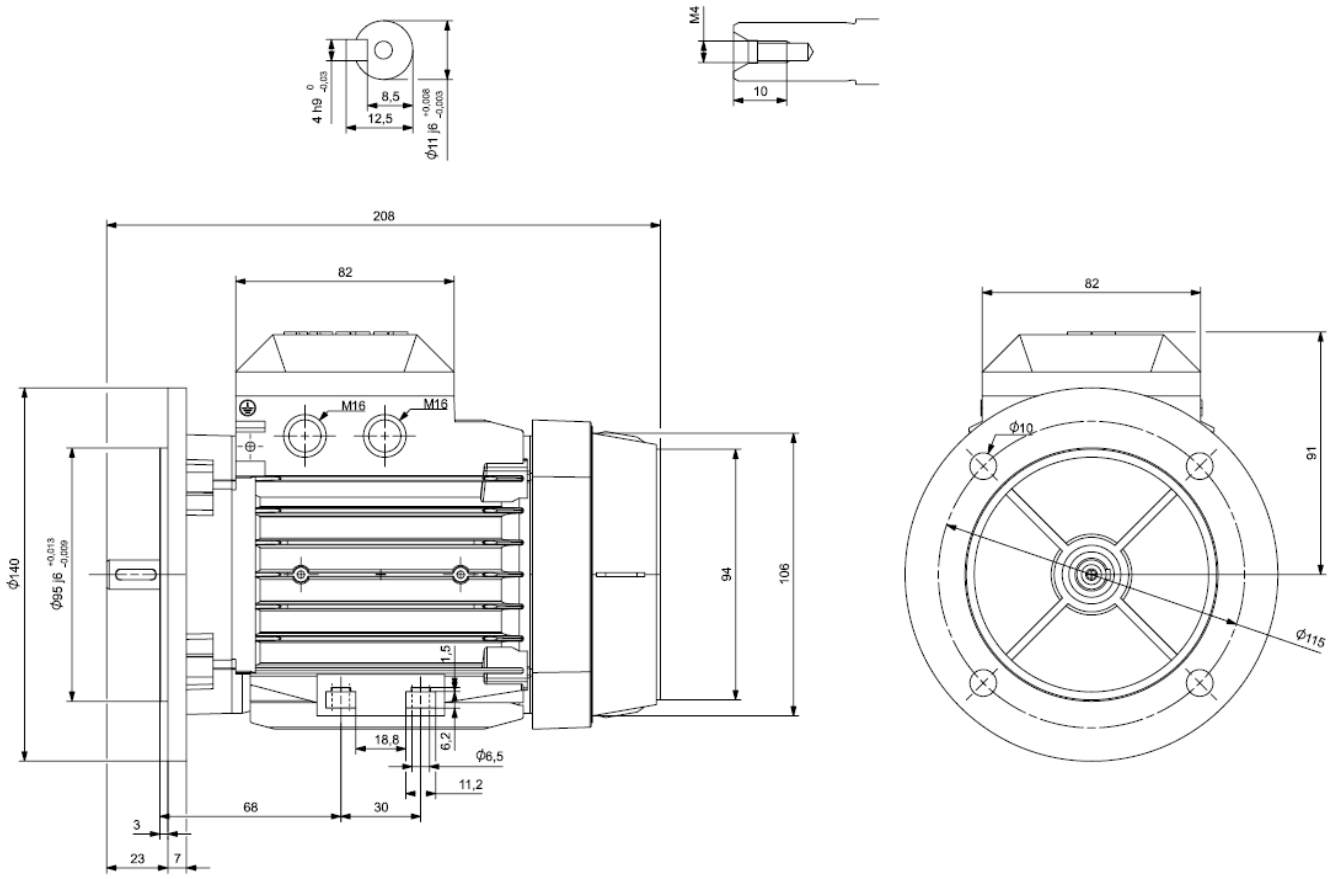
Definition	Data	Unit	Remarks
Product code	3GAA062311-**F		CalcId: 3GAA062001-E_S
Voltage code	S		
Type/Frame	M3AA 63A 4		
Design	BASIC		
Efficiency class	IE2		IEC 60034-2-1:2014
Rated output P_N	0.12	kW	
Rated voltage U_N	460	V	± 5 % (IEC 60034-1)
Rated frequency f_N	60	Hz	± 2 % (IEC 60034-1)
Rated speed n_N	1724	r/min	
Rated current I_N	0.38	A	
Starting current I_S/I_N	3.3		
Nominal torque T_N	0.66	Nm	
Locked rotor torque T_l/T_N	2.58		
Maximum torque T_b/T_N	2.95		
Efficiency - full load 100%	64.0	%	IEC 60034-2-1:2014
Efficiency - 75%	59.7	%	
Efficiency - 50%	51.0	%	
Power factor - full load 100%	0.6		
Bearing DE/NDE	6201-2Z/C3 6201-2Z/C3		
Sound pressure level L_{PA} dB	52	dB(A)	+3dB(A)
Moment of inertia J = ¼ GD^2 kgm^2	0.0003	kg-m²	
Weight	3.7	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%			

Motor data sheet

IEC LV MOTORS

M3AA 63A 4

Definition	Data	Unit	Remarks
Product code	3GAA062311-**F		CalcId: 3GAA062001-E_S
Voltage code	S		
Type/Frame	M3AA 63A 4		
Design	BASIC		
Efficiency class	IE2		IEC 60034-2-1:2014
Rated output P_N	0.12	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	1403	r/min	
Rated current I_N	0.41	A	
Starting current I_S/I_N	2.9		
Nominal torque T_N	0.82	Nm	
Locked rotor torque T_l/T_N	2.24		
Maximum torque T_b/T_N	2.44		
Efficiency - full load 100%	59.1	%	IEC 60034-2-1:2014
Efficiency - 75%	55.8	%	
Efficiency - 50%	47.1	%	
Power factor - full load 100%	0.63		
Bearing DE/NDE	6201-2Z/C3 6201-2Z/C3		
Sound pressure level L_{PA} dB	51	dB(A)	+3dB(A)
Moment of inertia J = ¼ GD^2 kgm^2	0.0003	kg-m²	
Weight	3.7	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%			



Additional information:

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

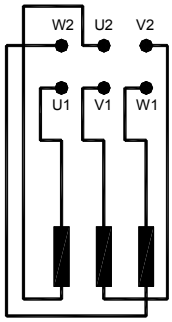
Description:

SQUIRREL CAGE MOTOR IM 3001, FLANGE MOUNTED, LARGE FLANGE

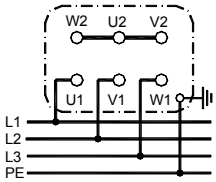
Unit:	Motors and Generators	Issued by:	Lach, Aleksandra	Replaces:	
Date:	21.10.2019	Approved by:	Lopaniewski, Piotr	Replaced by:	

Customer Reference:

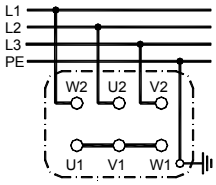
Diagram of connection
Anschluss-Schema
Schema de branchement

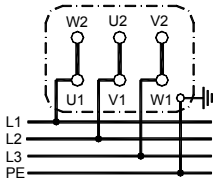


Connection of terminals
Anschluss des Motors
Branchement des bornes

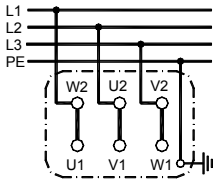


Y-connection
Y-Schaltung
Connection etoile





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 and Generators	3GZF321100-1 F

Connection Diagram				Document No: 3GZF321100-1 F	
Description:	3-PHASE SQUIRREL-CAGE MOTOR				
Unit:	Motors and Generators	Issued by:	P Kurssi	Replaces:	
Date:	07.01.2013	Approved by:	P Peltonen	Replaced by:	
ABB Oy		Customer Reference:			