

ABB BALDOR RELIANCE III

Customer information packet

MM07552-AP

M3AA 71 B 2P B3 .55KW

ABB MOTORS AND GENERATORS

Motor data sheet

M2AA 71B 2

Definition	Data	Unit	Remarks
Product code	3GAA071002-**E		
Voltage code	S		
Type/Frame	M2AA 71B 2		
Design	CENELEC		
Efficiency class	IE4		
Rated output P_N	0.55	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	3420	r/min	
Rated current I_N	1.12	A	
Starting current I_S/I_N	6.6		
Nominal torque T_N	1.53	Nm	
Locked rotor torque T_l/T_N	3.2		
Maximum torque T_b/T_N	3.7		
Efficiency - full load 100%	81.9	%	Acc. to IEC 60034-2-1
Efficiency - 75%	82.6	%	
Efficiency - 50%	80.7	%	
Power factor - full load 100%	0.75		
Bearing DE/NDE	6203-2Z/C3 6202-2Z/C3		
Sound pressure level L_{pA} dB	61	dB(A)	+3dB(A)
Moment of inertia $J = \frac{1}{4} GD^2$ kgm ²	0	kg-m ²	
Weight	5.9	kg	

ABB MOTORS AND GENERATORS

Motor data sheet

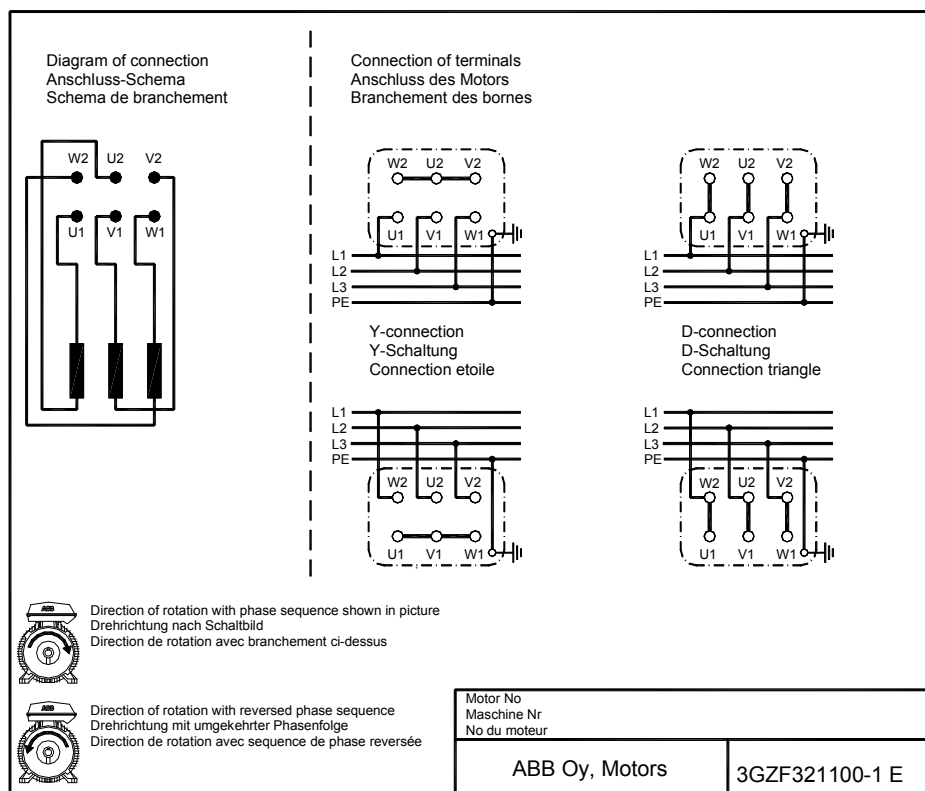
M2AA 71B 2

Definition	Data	Unit	Remarks
Product code	3GAA071002-**E		
Voltage code	S		
Type/Frame	M2AA 71B 2		
Design	CENELEC		
Efficiency class	IE3		
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	2790	r/min	
Rated current I_N	1.29	A	
Starting current I_S/I_N	5.3		
Nominal torque T_N	1.88	Nm	
Locked rotor torque T_l/T_N	2.9		
Maximum torque T_b/T_N	2.8		
Efficiency - full load 100%	78.4	%	Acc. to IEC 60034-2-1
Efficiency - 75%	79.8	%	
Efficiency - 50%	78.7	%	
Power factor - full load 100%	0.78		
Bearing DE/NDE	6203-2Z/C3 6202-2Z/C3		
Sound pressure level L_{pA} dB	58	dB(A)	+3dB(A)
Moment of inertia $J = \frac{1}{4} GD^2$ kgm ²	0	kg-m ²	
Weight	5.9	kg	

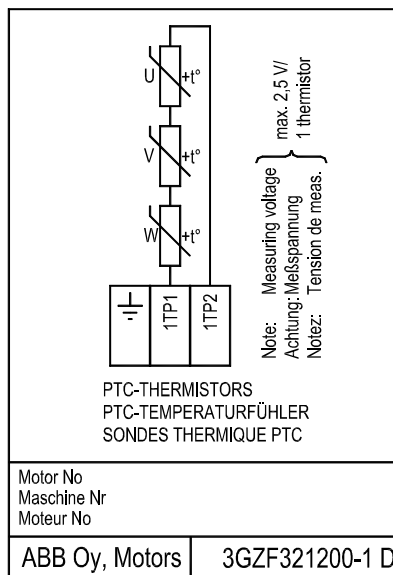
All data subject to tolerances in accordance with IEC. Data subject to changes.



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Page 4 of 6



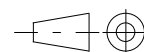
Connection Diagram			Document No: 3GZF321100-1 E
Description: 3-PHASE SQUIRREL-CAGE MOTOR			
Unit: Motors	Issued by: M Prusi	Replaces:	
Date: 21.09.2005	Approved by: Jari Raittila	Replaced by:	
ABB Oy	Customer Reference:		ABB



Accessory Connection Diagram

Document No:
3GZF321200-1 D

Description: PTC-THERMISTORS



Unit: Motors

Issued by: K.Högvist

Replaces:

Date: 30.11.2005

Approved by: M.Prusi

Replaced by:

ABB Oy

Customer Reference:

ABB