

ABB BALDOR RELIANCE III

Customer information packet

EMM20302-S-AP

M3AA 200MLA 2 B3 30KW

ABB MOTORS AND GENERATORS

Motor data sheet

M3AA 200MLA 2

Definition	Data	Unit	Remarks
Product code	3GAA201410-**K		CA501 Catalog number EMM20302-D-AP
Voltage code	S		
Type/Frame	M3AA 200MLA 2		
Design	CENELEC		
Efficiency class	IE3		
Rated output P_N	30	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	3562	r/min	
Rated current I_N	45.8	A	
Starting current I_S/I_N	8.7		
Nominal torque T_N	80.4	Nm	
Locked rotor torque T_l/T_N	2.8		
Maximum torque T_b/T_N	3.4		
Efficiency - full load 100%	92.4	%	Acc. to IEC 60034-2-1
Efficiency - 75%	92.08	%	
Efficiency - 50%	90.5	%	
Power factor - full load 100%	0.89		
Bearing DE/NDE	6312-2Z/C3 6210-2Z/C3		
Sound pressure level L_{pA} dB	76	dB(A)	+3dB(A)
Moment of inertia $J = \frac{1}{4} GD^2$ kgm ²	0.18	kg-m ²	
Weight	225	kg	

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

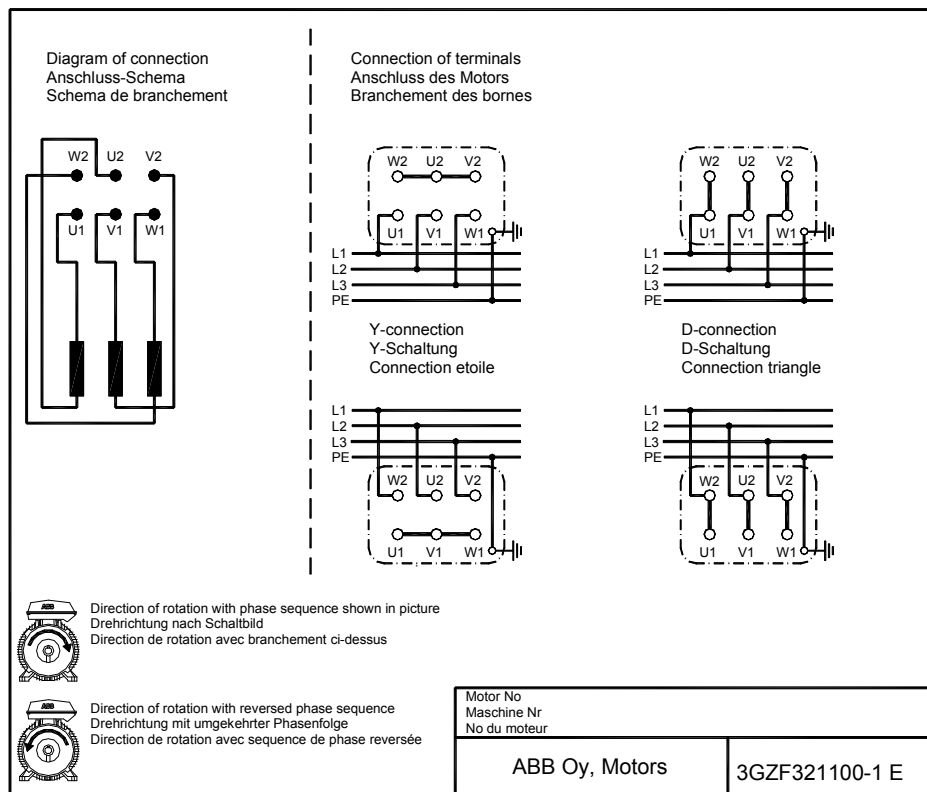
ABB MOTORS AND GENERATORS

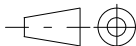
Motor data sheet

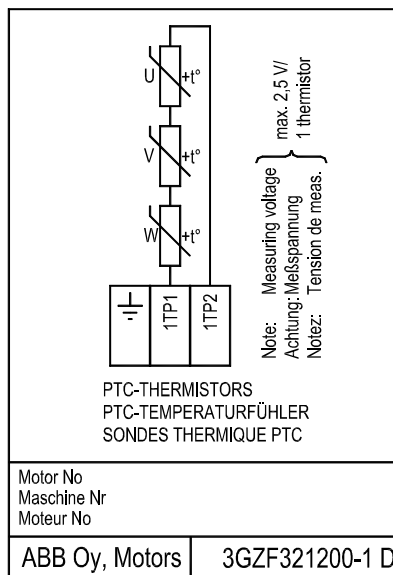
M3AA 200MLA 2

Definition	Data	Unit	Remarks
Product code	3GAA201410-**K		CA501 Catalog number EMM20302-D-AP
Voltage code	S		
Type/Frame	M3AA 200MLA 2		
Design	CENELEC		
Efficiency class	IE3		
Rated output P_N	30	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	2958	r/min	
Rated current I_N	52.2	A	
Starting current I_S/I_N	7.7		
Nominal torque T_N	96.8	Nm	
Locked rotor torque T_l/T_N	2.7		
Maximum torque T_b/T_N	3.1		
Efficiency - full load 100%	93.3	%	Acc. to IEC 60034-2-1
Efficiency - 75%	93.7	%	
Efficiency - 50%	93.4	%	
Power factor - full load 100%	0.89		
Bearing DE/NDE	6312-2Z/C3 6210-2Z/C3		
Sound pressure level L_{pA} dB	72	dB(A)	+3dB(A)
Moment of inertia $J = \frac{1}{4} GD^2$ kgm ²	0.18	kg-m ²	
Weight	225	kg	





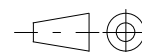
Connection Diagram			Document No: 3GZF321100-1 E
Description: 3-PHASE SQUIRREL-CAGE MOTOR			
Unit: Motors	Issued by: M Prusi	Replaces:	
Date: 21.09.2005	Approved by: Jari Raittila	Replaced by:	
ABB Oy	Customer Reference:		



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