Customer information packet

EMM13036-S-AP

M3AA 132MC 6P B3 3KW

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ABB MOTORS AND GENERATORS

Motor data sheet

M3AA 132MC 6

Definition	Data	Unit	Remarks
Product code	3GAA133330-**K		
Voltage code	S		
Type/Frame	M3AA 132MC 6		
Design	CENELEC		
Efficiency class	IE3		
Rated output P_N	3	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	1181	r/min	
Rated current I_N	6.3	A	
Starting current I_S/I_N	7		
Nominal torque T_N	24.2	Nm	
Locked rotor torque T_l/T_N	2.2		
Maximum torque T_b/T_N	3.5		
Efficiency - full load 100%	89.51	%	Acc. to IEC 60034-2-1
Efficiency - 75%	89.4	%	
Efficiency - 50%	88.05	%	
Power factor - full load 100%	0.67		
Bearing DE/NDE	6208-2Z/C3 6206-2Z/C3		
Sound pressure level L_{PA} dB	64	dB(A)	+3dB(A)
Moment of inertia J = ¼ GD^2 kgm^2	0.04	kg-m²	
Weight	66	kg	

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

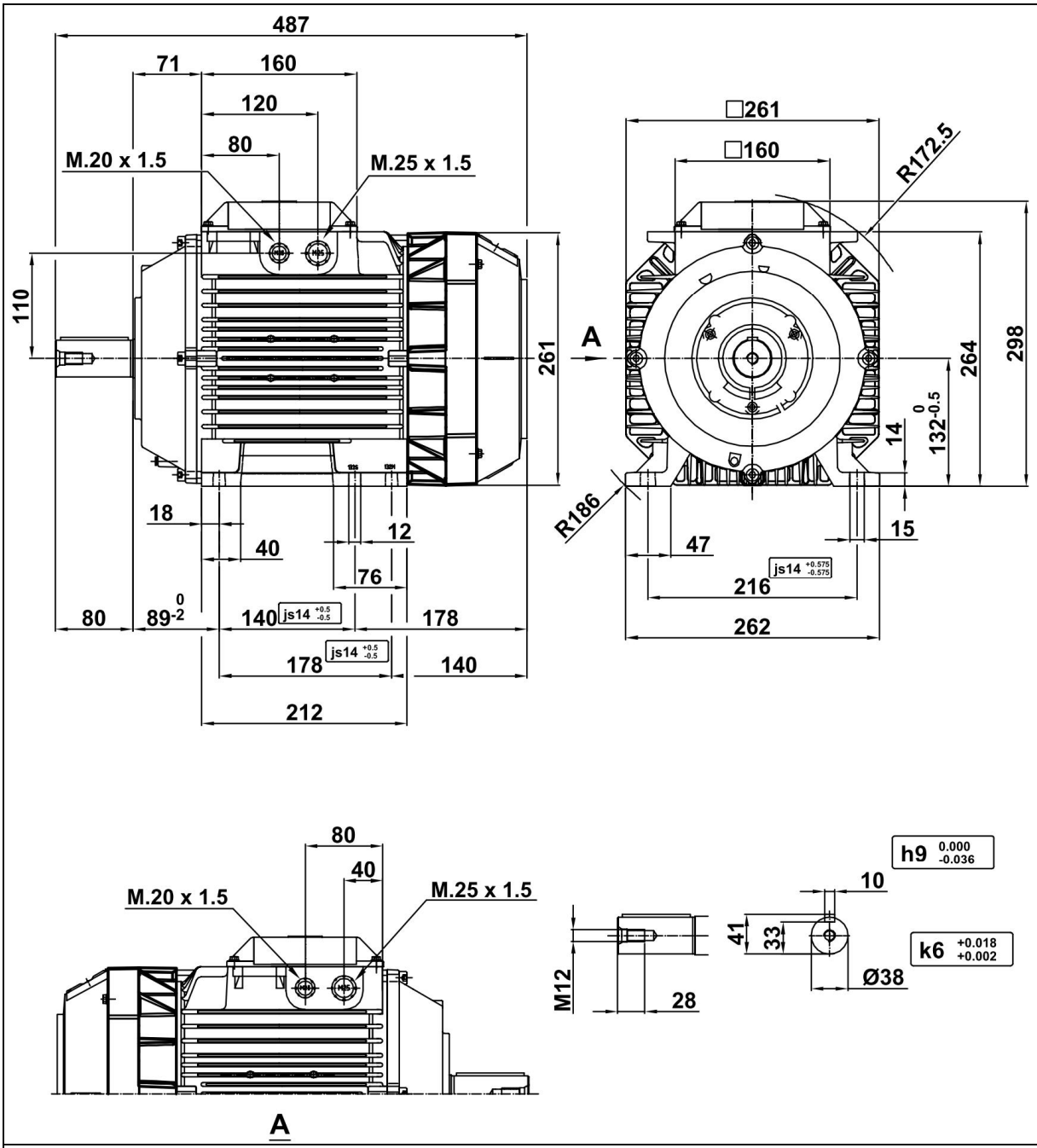
ABB MOTORS AND GENERATORS

Motor data sheet

M3AA 132MC 6

Definition	Data	Unit	Remarks
Product code	3GAA133330-**K		
Voltage code	S		
Type/Frame	M3AA 132MC 6		
Design	CENELEC		
Efficiency class	IE3		
Rated output P_N	3	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	978	r/min	
Rated current I_N	7	A	
Starting current I_S/I_N	6.2		
Nominal torque T_N	29.2	Nm	
Locked rotor torque T_l/T_N	2		
Maximum torque T_b/T_N	3		
Efficiency - full load 100%	88.5	%	Acc. to IEC 60034-2-1
Efficiency - 75%	88.81	%	
Efficiency - 50%	87.66	%	
Power factor - full load 100%	0.69		
Bearing DE/NDE	6208-2Z/C3 6206-2Z/C3		
Sound pressure level L_{PA} dB	61	dB(A)	+3dB(A)
Moment of inertia J = ¼ GD^2 kgm^2	0.04	kg-m²	
Weight	66	kg	

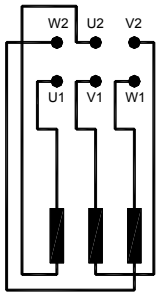
All data subject to tolerances in accordance with IEC. Data subject to changes.



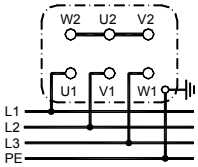
Additional information:

Dimension Print	Motor Type: M3AA (K) 132 B3, B6, B7, B8, V5, V6	Document No: 3GZW500613-35 A 13 AA 132 A
Description: SQUIRREL CAGE MOTOR		
Unit: Motors and Generators Date: 05.01.2017	Issued by: G.Borg Approved by: G.Borg	Replaces: Replaced by:
ABB AB	Customer Reference:	

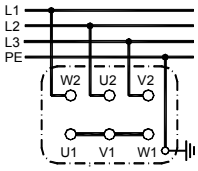
Diagram of connection
Anschluss-Schema
Schema de branchement

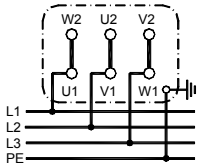


Connection of terminals
Anschluss des Motors
Branchement des bornes

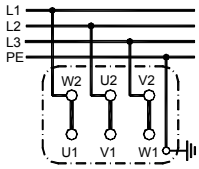


Y-connection
Y-Schaltung
Connection etoile





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

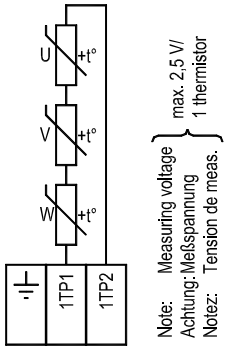
Motor No
Maschine Nr
No du moteur

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:	



PTC-THERMISTORS
PTC-TEMPERATURFÜHLER
SONDES THERMIQUE PTC

Motor No
Maschine Nr
Moteur No

ABB Oy, Motors | 3GZF321200-1 D

Accessory Connection Diagram

Document No: 3GZF321200-1 D

Description: PTC-THERMISTORS

Unit:	Motors	Issued by:	K.Högkvist	Replaces:
Date:	30.11.2005	Approved by:	M.Prusi	Replaced by:

ABB Oy | Customer Reference: