Customer information packet

EMVM13754C-D-PP

M3BP 132SMG 4P B14 7.5KW

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IEC LV MOTORS

Motor data sheet

M3BP 132SMG 4

Definition	Data	Unit	Remarks
Product code	3GBP132270-**K	CA 501 Catalog numbers B3 EMM13754-D-PP, B14 EMVM13754C-D-PP, B5 EMVM13754D-D-PP	
Voltage code	D		
Type/Frame	M3BP 132SMG 4		
Design	CENELEC		
Efficiency class	IE3		
Rated output P_N	7.5	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	1766	r/min	
Rated current I_N	13	A	
Starting current I_S/I_N	8.7		
Nominal torque T_N	40.5	Nm	
Locked rotor torque T_l/T_N	2.6		
Maximum torque T_b/T_N	3.9		
Efficiency - full load 100%	91.7	%	Acc. to IEC 60034-2-1
Efficiency - 75%	91.6	%	
Efficiency - 50%	90.8	%	
Power factor - full load 100%	0.79		
Bearing DE/NDE	6208-2Z/C3 6208-2Z/C3		
Sound pressure level L_{PA} dB	69	dB(A)	+3dB(A)
Moment of inertia J = ¼ GD^2 kgm^2	0.04	kg-m²	
Weight	81	kg	

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

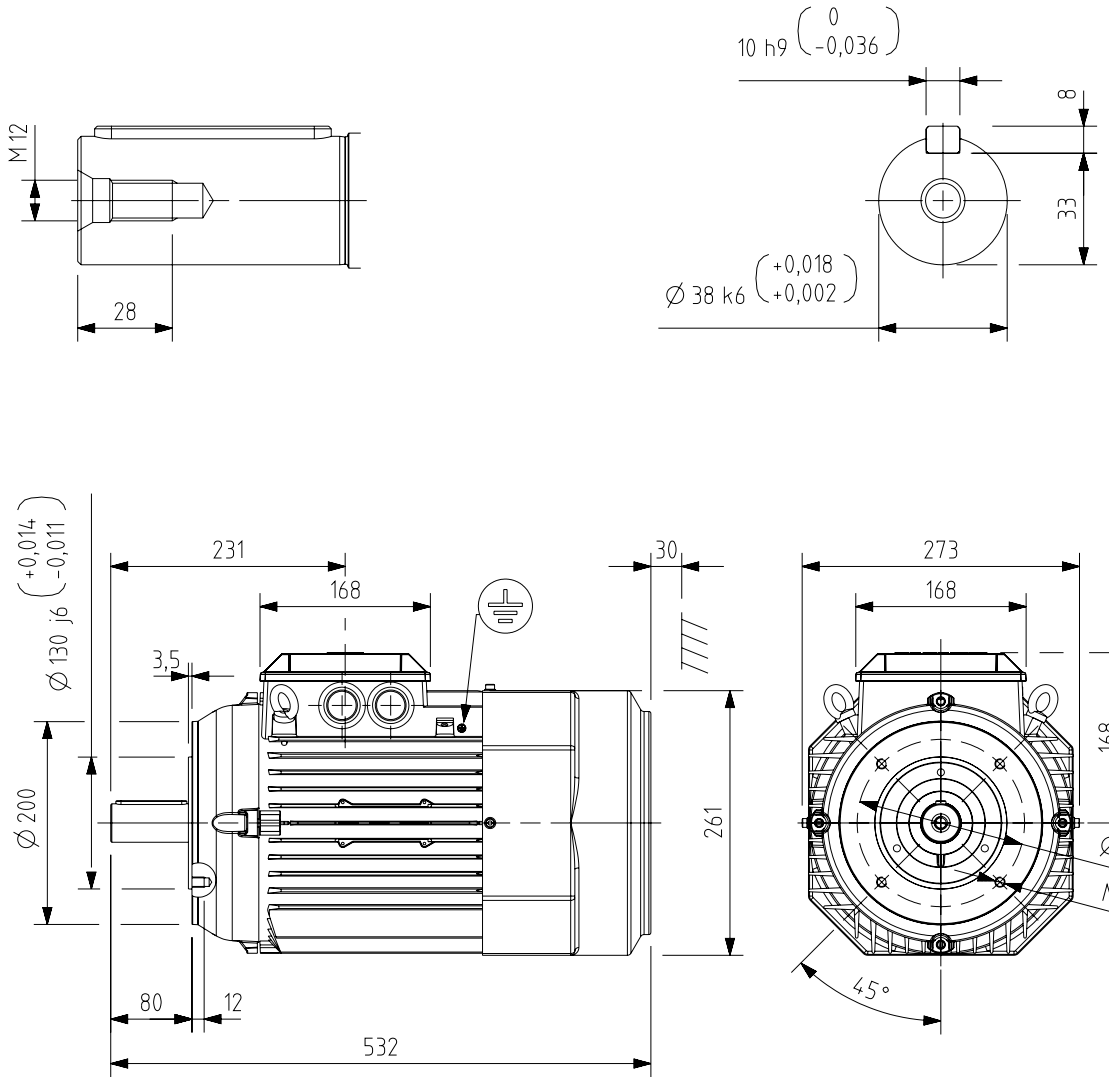
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Product code	3GBP132270-**K	CA 501 Catalog numbers B3 EMM13754-D-PP, B14 EMVM13754C-D-PP, B5 EMVM13754D-D-PP	
Voltage code	D		
Type/Frame	M3BP 132SMG 4		
Design	CENELEC		
Efficiency class	IE3		
Rated output P_N	7.5	kW	
Rated voltage U_N	400	V	± 5 % (IEC 60034-1)
Rated frequency f_N	50	Hz	± 2 % (IEC 60034-1)
Rated speed n_N	1464	r/min	
Rated current I_N	14.7	A	
Starting current I_S/I_N	7.7		
Nominal torque T_N	48.9	Nm	
Locked rotor torque T_l/T_N	2.5		
Maximum torque T_b/T_N	3.6		
Efficiency - full load 100%	90.4	%	Acc. to IEC 60034-2-1
Efficiency - 75%	90.81	%	
Efficiency - 50%	90.7	%	
Power factor - full load 100%	0.81		
Bearing DE/NDE	6208-2Z/C3 6208-2Z/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	81	kg	

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



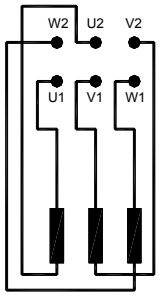
Additional information:

Dimension Print	Motor Type: M3BP 132SM 2-8 B14, V18, V19 FT165 M3GP 132SM 2-8 B14, V18, V19 FT165	Document No: 3GZF500013-40 H 13 BP 132 A
Description: STANDARD IE3 SQUIRREL CAGE MOTOR		

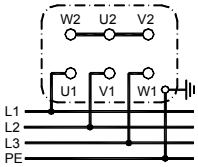
Unit:	Motors and Generators	Issued by:	Jeff Wang	Replaces:	
Date:	08.12.2016	Approved by:	Adam Zhu	Replaced by:	

ABB Oy	Customer Reference:	

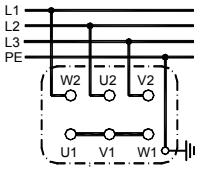
Diagram of connection
Anschluss-Schema
Schema de branchement

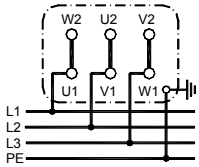


Connection of terminals
Anschluss des Motors
Branchement des bornes

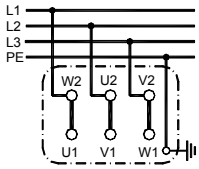


Y-connection
Y-Schaltung
Connection etoile





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:	