

Motor data sheet

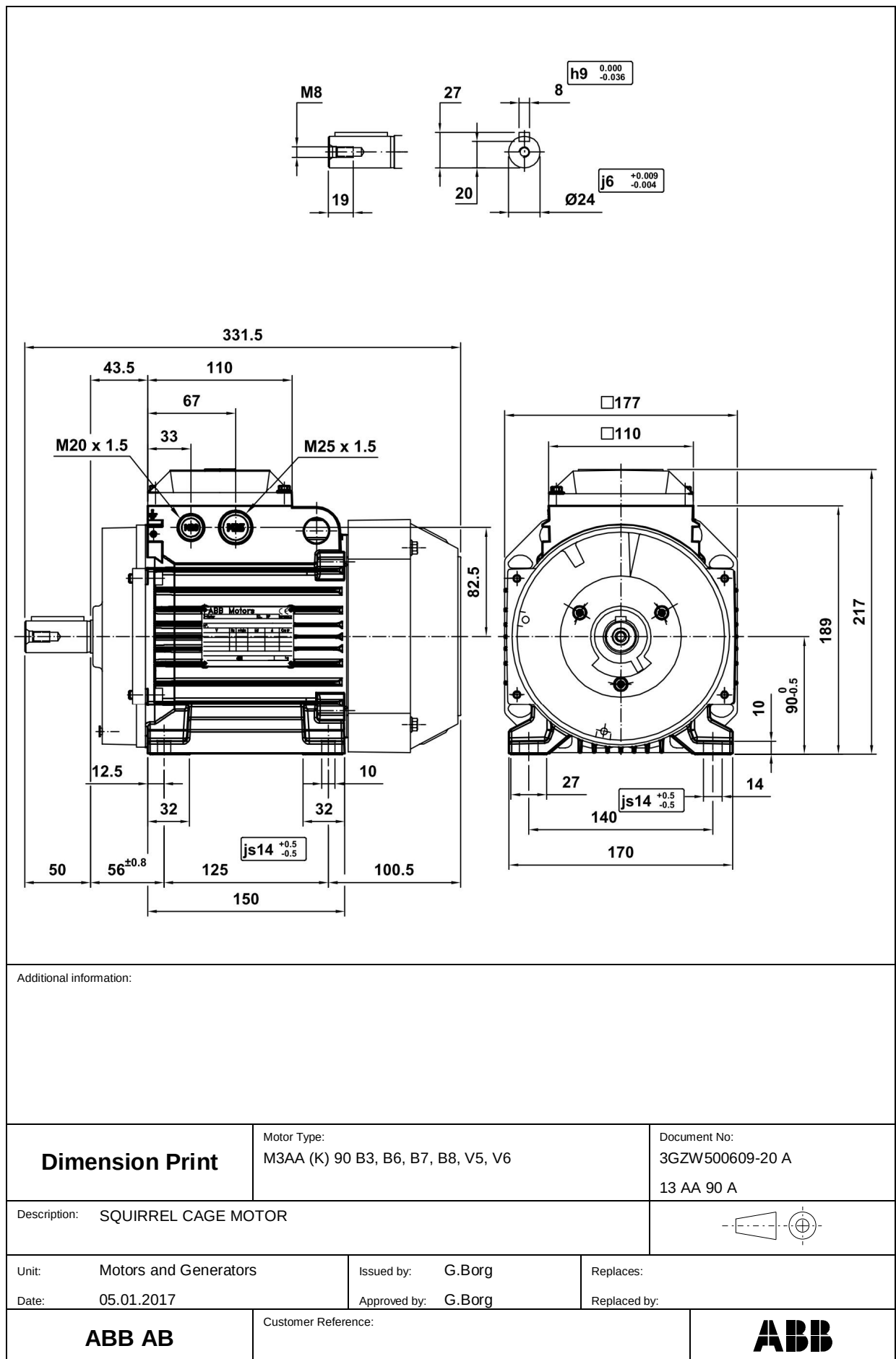
M3AA 90LC 4

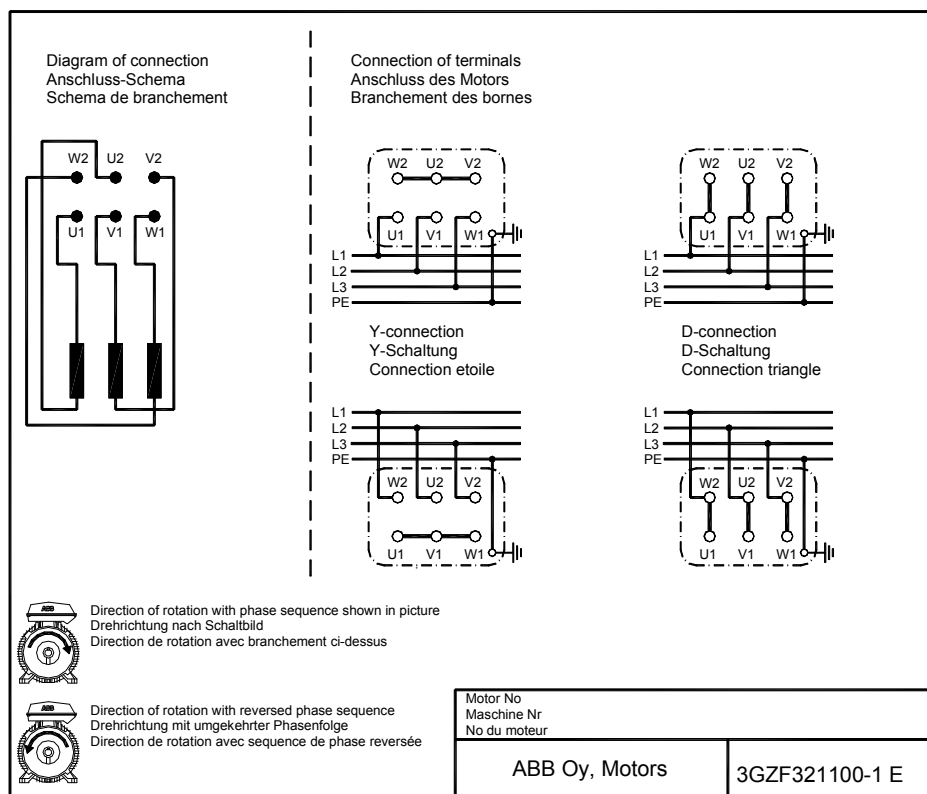
Definition	Data	Unit	Remarks
Product code	3GAA092530-**K		
Voltage code	S		
Type/Frame	M3AA 90LC 4		
Design	CENELEC		
Efficiency class	IE3		
Rated output P_N	1.1	kW	
Rated voltage U_N	460	V	± 5 % (IEC 60034-1)
Rated frequency f_N	60	Hz	± 2 % (IEC 60034-1)
Rated speed n_N	1749	r/min	
Rated current I_N	2	A	
Starting current I_S/I_N	8.4		
Nominal torque T_N	6	Nm	
Locked rotor torque T_l/T_N	3.7		
Maximum torque T_b/T_N	4.6		
Efficiency - full load 100%	86.5	%	Acc. to IEC 60034-2-1
Efficiency - 75%	85.38	%	
Efficiency - 50%	82.54	%	
Power factor - full load 100%	0.77		
Bearing DE/NDE	6205-2Z/C3 6204-2Z/C3		
Sound pressure level L_{pA} dB	56	dB(A)	+3dB(A)
Moment of inertia $J = \frac{1}{4} GD^2$ kgm ²	0.01	kg-m ²	
Weight	19	kg	

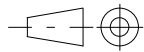
Motor data sheet

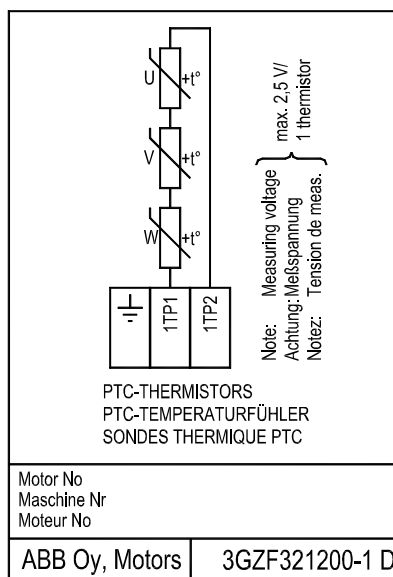
M3AA 90LC 4

Definition	Data	Unit	Remarks
Product code	3GAA092530-**K		
Voltage code	S		
Type/Frame	M3AA 90LC 4		
Design	CENELEC		
Efficiency class	IE3		
Rated output P_N	1.1	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	1442	r/min	
Rated current I_N	2.3	A	
Starting current I_S/I_N	7.9		
Nominal torque T_N	7.2	Nm	
Locked rotor torque T_l/T_N	3.3		
Maximum torque T_b/T_N	3.9		
Efficiency - full load 100%	85.6	%	Acc. to IEC 60034-2-1
Efficiency - 75%	85.1	%	
Efficiency - 50%	83.4	%	
Power factor - full load 100%	0.8		
Bearing DE/NDE	6205-2Z/C3 6204-2Z/C3		
Sound pressure level L_{pA} dB	56	dB(A)	+3dB(A)
Moment of inertia $J = \frac{1}{4} GD^2$ kgm ²	0.01	kg-m ²	
Weight	19	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