



Type Test Report					Date of issue: 2012.02.15						
Customer:					Serial No.: 3GE111013T0002						
					Type: M3AA 132M 8					Product Code: 3GAA134002-_DE	
Customer ref.:											
Rating:					V	Hz	kW	r/min	A	cos φ	Duty
3~Motor					690	Y 50	3,00	715	4,90	0,64	S1
Insul.cl.F					400	D 50	3,00	715	8,50	0,64	S1
IP55					460	D 60	3,00	865	6,80	0,68	S1
Resistance					Insulation resistance at 24,9 °C					Overload	
Line					R > 2000 Mohm 1000 V					Current 150 % 120s	
U ₁ - V ₁					Ambient: 21,3 °C					Torque 160 % 15s	
U ₁ - W ₁					2,73200 Ω					Speed 120 % 120s	
V ₁ - W ₁					2,72700 Ω						
					2,73200 Ω						
					High-voltage test winding 2400 V					60 s	
Test	Torque [Nm]	Line U[V]	f[Hz]	Input I[A]	P1 [kW]	Output P2 [kW]	n[r/min]	cos φ	η [%]		
No load test		400 D	50	6,0	0,36		750	0,09			
Locked rotor test		123,1 D	50	9,5	0,93		0	0,46			
Thermal test (100% load)	39,3	400 D	50	8,4	3,73	3,00	729	0,64	80,50		
Partial load points:											
~75% load	29,5	400 D	50	7,3	2,81	2,25	729	0,55	80,00		
~50% load	19,5	400 D	50	6,5	1,95	1,50	736	0,43	76,90		
~25% load	9,6	400 D	50	6,0	1,14	0,75	743	0,27	65,80		
Temperature rise at rated load.					°C	K	Method		Measurement method		
Stator winding :					55,1	3			1 Resistance		
Frame :					29,3	3			2 Thermometer		
Bearing D-end :					35,1	3			3 Thermocouples		
Ambient Temperature :					25	3					
Manufactured and tested in accordance with rules of IEC 60034-1 and IEC 60034-2-1.											
PLL determined from residual loss.											
On behalf of customer											
On behalf of manufacturer			Date of test			5.10.2011					
Tested by Asea Brown Boveri, S.A., Fabrica Motores , 08192 Sant Quirze del Valles , Spain								Telephone		+34 93 728 85 00	
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