



Type Test Report					Date of issue: 2011.10.05								
Customer:					Serial No.: 3GA111608T3706								
					Type: M2AA 80A 6 Product Code: 3GAA083001-_SE								
Customer ref.:													
Rating:					V	Hz	kW	r/min	A	cos φ	Duty		
3~Motor					230	D	50	0,37	905	1,85	0,73 S1		
Insul.cl.F					400	Y	50	0,37	905	1,07	0,73 S1		
IP55					460	Y	60	0,37	1125	0,91	0,69 S1		
Resistance Line					Ambient: 18,1 °C U ₁ - V ₁ 47,86000 Ω U ₁ - W ₁ 47,88000 Ω V ₁ - W ₁ 47,86000 Ω					Insulation resistance at 25 °C R > 2000 Mohm 1000 V		Overload Current 150 % 120s Torque 160 % 15s Speed 120 % 120s	
					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 Y	50	0,82	0,12		1000	0,20					
Locked rotor test		114,8 Y	50	1,00	0,18		0	0,89					
Thermal test (100% load)	3,9	400 Y	50	1,07	0,54	0,37	905	0,73	68,00				
Partial load points:													
~75% load	2,8	400 Y	50	0,89	0,39	0,28	939	0,63	70,70				
~50% load	1,8	400 Y	50	0,79	0,27	0,19	960	0,49	68,30				
~25% load	0,9	400 Y	50	0,74	0,16	0,09	979	0,32	56,20				
Temperature rise at rated load.					°C	K	Method		Measurement method				
Stator winding :					74,2	3			1 Resistance				
Frame :					24,2	3			2 Thermometer				
Bearing D-end :					21,6	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 29.4.2011													
Tested by Asea Brown Boveri, S.A., Fabrica Motores , 08192 Sant Quirze del Valles , Spain													
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