



Type Test Report					Date of issue: 2011.10.05						
Customer:					Serial No.: 3GA111608T5506						
					Type: M2AA 80B 6					Product Code: 3GAA083002-_SE	
Customer ref.:											
Rating:					V	Hz	kW	r/min	A	cos φ	Duty
3~Motor					230	D 50	0,55	905	2,70	0,73	S1
Insul.cl.F					400	Y 50	0,55	905	1,58	0,73	S1
IP55					460	Y 60	0,55	1120	1,36	0,68	S1
Resistance					Insulation resistance at 25,2 °C					Overload	
Line Ambient: 18,1 °C					R > 2000 Mohm 1000 V					Current 150 % 120s	
U ₁ - V ₁ 30,75000 Ω										Torque 160 % 15s	
U ₁ - W ₁ 30,76000 Ω										Speed 120 % 120s	
V ₁ - W ₁ 30,78000 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 Y	50	1,14	0,13		1000	0,16			
Locked rotor test		128,4 Y	50	1,57	0,28		0	0,81			
Thermal test (100% load)	5,8	400 Y	50	1,58	0,80	0,55	905	0,73	68,70		
Partial load points:											
~75% load	4,2	400 Y	50	1,33	0,57	0,41	929	0,62	71,80		
~50% load	2,8	400 Y	50	1,21	0,39	0,28	954	0,47	69,70		
~25% load	1,3	400 Y	50	1,14	0,24	0,14	976	0,30	57,80		
Temperature rise at rated load.					°C	K	Method		Measurement method		
Stator winding :					58,8	3			1 Resistance		
Frame :					43	3			2 Thermometer		
Bearing D-end :					38,5	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			26.4.2011					
Tested by Asea Brown Boveri, S.A., Fabrica Motores , 08192 Sant Quirze del Valles , Spain								Telephone		+34 93 728 85 00	
								Telefax		+34 93 728 85 33	

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