



Type Test Report					Date of issue: 2011.10.05						
Customer:					Serial No.: 3GA080107T2506						
					Type: M2AA 71B 6					Product Code: 3GAA073002-_DE	
Customer ref.:											
Rating:					V	Hz	kW	r/min	A	cos φ	Duty
3~Motor					690	Y 50	0,25	895	0,45	0,71	S1
Insul.cl.F					400	D 50	0,25	895	0,79	0,71	S1
IP55					460	D 60	0,25	1110	0,74	0,61	S1
Resistance					Insulation resistance at 13 °C					Overload	
Line Ambient: 17,0 °C					R > 2000 Mohm 1000 V					Current 150 % 120s	
U ₁ - V ₁ 76,31000 Ω										Torque 160 % 15s	
U ₁ - W ₁ 76,40000 Ω										Speed 120 % 120s	
V ₁ - W ₁ 76,18000 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	0,68	0,09		1000	0,19			
Locked rotor test		125 D	50	0,80	0,15		0	0,84			
Thermal test (100% load)	2,7	400 D	50	0,79	0,39	0,25	895	0,71	64,00		
Partial load points:											
~75% load	1,9	400 D	50	0,69	0,29	0,19	921	0,61	63,60		
~50% load	1,3	400 D	50	0,61	0,21	0,13	948	0,49	59,50		
~25% load	0,6	400 D	50	0,52	0,13	0,06	973	0,36	47,80		
Temperature rise at rated load.					°C	K	Method		Measurement method		
Stator winding :					48,6	3			1 Resistance		
Frame :					30	3			2 Thermometer		
Bearing D-end :					31	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			22.1.2008					
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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