



Type Test Report					Date of issue: 2011.10.05						
Customer:					Serial No.: 3GA080307T2504						
					Type: M2AA 71A 4					Product Code: 3GAA072001-_DE	
Customer ref.:											
Rating:					V	Hz	kW	r/min	A	cos φ	Duty
3~Motor					690	Y 50	0,25	1365	0,41	0,76	S1
Insul.cl.F					400	D 50	0,25	1365	0,72	0,76	S1
IP55					460	D 60	0,25	1685	0,66	0,68	S1
Resistance					Insulation resistance at 17 °C					Overload	
Line Ambient: 18,0 °C					R > 2000 Mohm 1000 V					Current 150 % 120s	
U <sub>1</sub> - V <sub>1</sub> 82,20000 Ω										Torque 160 % 15s	
U <sub>1</sub> - W <sub>1</sub> 82,18000 Ω										Speed 120 % 120s	
V <sub>1</sub> - W <sub>1</sub> 82,19000 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	0,55	0,08		1500	0,21			
Locked rotor test		122 D	50	0,80	0,15		0	0,87			
Thermal test ( 100% load )	1,7	400 D	50	0,72	0,38	0,25	1365	0,76	65,10		
Partial load points:											
~75% load	1,3	400 D	50	0,59	0,28	0,19	1403	0,69	66,00		
~50% load	0,8	400 D	50	0,50	0,20	0,13	1432	0,57	62,70		
~25% load	0,4	400 D	50	0,31	0,11	0,06	1453	0,49	58,70		
Temperature rise at rated load.					°C	K	Method	Measurement method			
Stator winding :					31,8	3		1 Resistance			
Frame :					21	3		2 Thermometer			
Bearing D-end :					24	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			1.2.2008					
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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