



Type Test Report				Date of issue: 2011.10.05							
Customer:				Serial No.: 3GAA093607T1806							
				Customer ref.:				Type: M2AA 71A 6			Product Code: 3GAA073001-_DE
Rating:				V	Hz	kW	r/min	A	cos φ	Duty	
3~Motor				690	Y 50	0,18	885	0,35	0,71	S1	
Insul.cl.F				400	D 50	0,18	885	0,61	0,71	S1	
IP55				460	D 60	0,18	1110	0,54	0,64	S1	
Resistance				Ambient: 21,4 °C				Insulation resistance at 28 °C		Overload	
Line				R > 2000 Mohm				1000 V		Current 150 % 120s	
U <sub>1</sub> - V <sub>1</sub>				123,91000 Ω						Torque 160 % 15s	
U <sub>1</sub> - W <sub>1</sub>				125,20000 Ω						Speed 120 % 120s	
V <sub>1</sub> - W <sub>1</sub>				125,28000 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	0,48	0,07		1000	0,21			
Locked rotor test		171,3 D	50	0,70	0,18		0	0,87			
Thermal test ( 100% load )	1,9	400 D	50	0,61	0,30	0,18	885	0,71	59,50		
Partial load points:											
~75% load	1,4	400 D	50	0,54	0,22	0,14	921	0,59	61,10		
~50% load	0,9	400 D	50	0,49	0,16	0,09	948	0,46	56,50		
~25% load	0,4	400 D	50	0,48	0,11	0,05	975	0,32	42,10		
Temperature rise at rated load.				°C	K	Method		Measurement method			
Stator winding :				35,4	3			1 Resistance			
Frame :				23,2	3			2 Thermometer			
Bearing D-end :				19,5	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			24.9.2009					
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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