



Type Test Report					Date of issue: 2011.10.05						
Customer:					Serial No.: 3GAA093607T1806						
					Type: M2AA 71A 6					Product Code: 3GAA073001-_SE	
Customer ref.:											
Rating:					V	Hz	kW	r/min	A	cos φ	Duty
3~Motor					230	D 50	0,18	885	1,05	0,71	S1
Insul.cl.F					400	Y 50	0,18	885	0,61	0,71	S1
IP55					460	Y 60	0,18	1110	0,54	0,64	S1
Resistance					Insulation resistance at 28 °C					Overload	
Line Ambient: 21,4 °C					R > 2000 Mohm 1000 V					Current 150 % 120s	
U ₁ - V ₁ 123,91000 Ω										Torque 160 % 15s	
U ₁ - W ₁ 125,20000 Ω										Speed 120 % 120s	
V ₁ - W ₁ 125,28000 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 Y	50	0,48	0,07		1000	0,21			
Locked rotor test		171,3 Y	50	0,70	0,18		0	0,87			
Thermal test (100% load)	1,9	400 Y	50	0,61	0,30	0,18	885	0,71	59,50		
Partial load points:											
~75% load	1,4	400 Y	50	0,54	0,22	0,14	921	0,59	61,10		
~50% load	0,9	400 Y	50	0,49	0,16	0,09	948	0,46	56,50		
~25% load	0,4	400 Y	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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