



Type Test Report				Date of issue: 2011.12.28							
Customer:				Serial No.: 3GE103313T0001							
				Type: M3AA 132MC 6 Product Code: 3GAA133314-DE							
Customer ref.:											
Rating:				V	Hz	kW	r/min	A	cos φ	Duty	
3~Motor				690	Y 50	5,5	965	7,70	0,68	S1	
Insul.cl.F				400	D 50	5,5	965	13,50	0,68	S1	
IP55				460	D 60	5,5	1170	11,50	0,68	S1	
50Hz : IE2 - 86,1(100%) - 86,0(75%) - 84,2(50%)											
60Hz : IE1 - 87,6(100%)											
Resistance				Insulation resistance at 23,2 °C				Overload			
Line Ambient: 14,6 °C				R > 2000 Mohm 1000 V				Current 150 % 120s			
U ₁ - V ₁ 1,01300 Ω								Torque 160 % 15s			
U ₁ - W ₁ 1,01600 Ω								Speed 120 % 120s			
V ₁ - W ₁ 1,01600 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	8,7	0,41		1000	0,07			
Locked rotor test		98,4 D	50	13,5	1,02		0	0,44			
Thermal test (100% load)	54,3	400 D	50	13,3	6,38	5,50	968	0,69	86,20		
Partial load points:											
~75% load	40,4	400 D	50	11,3	4,79	4,13	977	0,61	86,20		
~50% load	26,7	400 D	50	9,8	3,26	2,75	985	0,48	84,30		
~25% load	13,3	400 D	50	8,7	1,81	1,38	992	0,30	76,30		
Temperature rise at rated load.				°C	[K]	Method		Measurement method			
Stator winding :				54,7	3			1 Resistance			
Frame :				29,0	3			2 Thermometer			
Bearing D-end :				41,1	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			15.12.2010					
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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