



Type Test Report				Date of issue: 2011.12.28							
Customer:				Serial No.: 3GE080513T5504							
				Type: M3AA 132M 4 Product Code: 3GAA132312-DE							
Customer ref.:											
Rating:				V	Hz	kW	r/min	A	cos φ	Duty	
3~Motor				690	Y 50	5,5	1465	6,40	0,79	S1	
Insul.cl.F				400	D 50	5,5	1465	11,20	0,79	S1	
IP55				460	D 60	5,5	1765	9,60	0,79	S1	
Eff class IE2				50Hz : IE2 - 89,0(100%) - 89,8(75%) - 89,1(50%) 60Hz : IE2 - 90,1(100%)							
Resistance				Insulation resistance at 17 °C				Overload			
Line				R > 2000 Mohm 1000 V				Current 150 % 120s Torque 160 % 15s Speed 120 % 120s			
Ambient: 14,0 °C								High-voltage test winding 2400 V 60 s			
U ₁ - V ₁				1,46600 Ω							
U ₁ - W ₁				1,46900 Ω							
V ₁ - W ₁				1,46800 Ω							
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	4,8	0,24		1500	0,07			
Locked rotor test		91 D	50	11,8	0,74		0	0,40			
Thermal test (100% load)	36,0	400 D	50	10,9	6,21	5,50	1460	0,82	88,50		
Partial load points:											
~75% load	26,8	400 D	50	8,6	4,62	4,13	1472	0,77	89,30		
~50% load	17,7	400 D	50	6,7	3,10	2,75	1482	0,66	88,60		
~25% load	8,9	400 D	50	4,7	1,62	1,38	1489	0,49	85,00		
Temperature rise at rated load.				°C	K	Method		Measurement method			
Stator winding :				50,0	3			1 Resistance			
Frame :				17	3			2 Thermometer			
Bearing D-end :				30	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			20.2.2008					
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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