



Type Test Report					Date of issue: 2011.12.28												
Customer:					Serial No.: 3GE080513T5504												
					Type: M3AA 132M 4 Product Code: 3GAA132312-_SE												
Customer ref.:																	
Rating:																	
					V	Hz	kW	r/min	A	cos φ	Duty						
3~Motor					230	D	50	5,5	1465	19,30	0,79	S1					
Insul.cl.F					400	Y	50	5,5	1465	11,20	0,79	S1					
IP55					460	Y	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							
U ₁ - V ₁					Ambient: 14,0 °C					Torque 160 % 15s							
U ₁ - W ₁					1,46600 Ω					Speed 120 % 120s							
V ₁ - W ₁					1,46900 Ω												
					1,46800 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	4,8		0,24			1500	0,07	
Locked rotor test							91 Y		50	11,8		0,74			0	0,40	
Thermal test (100% load)					36,0		400 Y		50	10,9		6,21	5,50		1460	0,82	88,50
Partial load points:																	
~75% load					26,8		400 Y		50	8,6		4,62	4,13		1472	0,77	89,30
~50% load					17,7		400 Y		50	6,7		3,10	2,75		1482	0,66	88,60
~25% load					8,9		400 Y		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																	
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