



Type Test Report					Date of issue: 2011.12.28						
Customer:					Serial No.: 3GE082813T0997						
					Type: M3AA 132MA 4					Product Code: 3GAA132314-SE	
Customer ref.:											
Rating:					V	Hz	kW	r/min	A	cos φ	Duty
3~Motor					230	D 50	7,5	1460	26,50	0,79	S1
Insul.cl.F					400	Y 50	7,5	1460	15,30	0,79	S1
IP55					460	Y 60	7,5	1760	12,90	0,81	S1
Eff class IE2					50Hz : IE2 - 89,1(100%) - 89,9(75%) - 89,5(50%)						
					60Hz : IE2 - 90,0(100%)						
Resistance					Insulation resistance at 20 °C					Overload	
Line					R > 2000 Mohm 1000 V					Current 150 % 120s	
U ₁ - V ₁					Ambient: 16,0 °C					Torque 160 % 15s	
U ₁ - W ₁					1,10300 Ω					Speed 120 % 120s	
V ₁ - W ₁					1,10100 Ω						
					1,10400 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	6,2	0,3		1500	0,07			
Locked rotor test		85,7 Y	50	14,7	0,89		0	0,41			
Thermal test (100% load)	49,1	400 Y	50	14,7	8,50	7,50	1458	0,83	88,20		
Partial load points:											
~75% load	36,6	400 Y	50	11,8	6,32	5,63	1470	0,77	89,10		
~50% load	24,2	400 Y	50	9,1	4,23	3,75	1481	0,67	88,70		
~25% load	12,0	400 Y	50	7,3	2,25	1,88	1491	0,44	83,60		
Temperature rise at rated load.					°C	K	Method		Measurement method		
Stator winding :					59,1	3			1 Resistance		
Frame :					21	3			2 Thermometer		
Bearing D-end :					33	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			4.11.2008					
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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