



Type Test Report					Date of issue: 2011.12.28						
Customer:					Serial No.: 3GE081910T0731						
					Type: M3AA 100LC 6					Product Code: 3GAA103312-SE	
Customer ref.:											
Rating:					V	Hz	kW	r/min	A	cos φ	Duty
3~Motor					230	D 50	1,5	945	6,20	0,73	S1
Insul.cl.F					400	Y 50	1,5	945	3,60	0,73	S1
IP55					460	Y 60	1,5	1150	3,20	0,70	S1
50Hz : IE2 - 80,3(100%) - 81,4(75%) - 80,7(50%)											
60Hz : IE1 - 83,3(100%)											
Resistance					Insulation resistance at 23 °C					Overload	
Line Ambient: 25,0 °C					R > 2000 Mohm 1000 V					Current 150 % 120s	
U ₁ - V ₁ 8,45000 Ω										Torque 160 % 15s	
U ₁ - W ₁ 8,46000 Ω										Speed 120 % 120s	
V ₁ - W ₁ 8,46000 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	2,2	0,14		1000	0,10			
Locked rotor test		106 Y	50	3,6	0,37		0	0,56			
Thermal test (100% load)	15,2	400 Y	50	3,6	1,89	1,50	944	0,75	79,30		
Partial load points:											
~75% load	11,2	400 Y	50	3,0	1,40	1,13	960	0,67	80,50		
~50% load	7,3	400 Y	50	2,4	0,94	0,75	975	0,56	79,70		
~25% load	3,7	400 Y	50	2,0	0,53	0,38	988	0,37	72,10		
Temperature rise at rated load.					°C	K	Method		Measurement method		
Stator winding :					54,4	3			1 Resistance		
Frame :					27,0	3			2 Thermometer		
Bearing D-end :					30,0	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			16.6.2008					
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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