



Type Test Report					Date of issue: 2011.12.19						
Customer:					Serial No.: 3GE081910T0731						
					Type: M3AA 100LC 6					Product Code: 3GAA103442-GE	
Customer ref.:											
Rating:					V	Hz	kW	r/min	A	cos φ	Duty
3~Motor					415	Y 50	1,50	950	3,60	0,72	S1
Insul.cl.F											
IP55											
Eff class IE2					50Hz : IE2 - 79,8(100%) - 80,4(75%) - 78,3(50%)						
Resistance					Insulation resistance at 24 °C					Overload	
Line					R > 2000 Mohm 1000 V					Current 150 % 120s	
U ₁ - V ₁					Ambient: 25,0 °C					Torque 160 % 15s	
U ₁ - W ₁					8,45000 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		415 Y	50	2,3	0,16		1000	0,10			
Locked rotor test		106 Y	50	3,6	0,37		0	0,56			
Thermal test (100% load)	15,1	415 Y	50	3,6	1,88	1,50	950	0,72	79,80		
Partial load points:											
~75% load	11,1	415 Y	50	2,9	1,40	1,13	965	0,65	80,40		
~50% load	7,3	415 Y	50	2,5	0,96	0,75	978	0,53	78,30		
~25% load	3,6	415 Y	50	2,1	0,54	0,38	989	0,35	69,30		
Temperature rise at rated load.					°C	K	Method		Measurement method		
Stator winding :					54,0	3			1 Resistance		
Frame :					26	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			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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