



Type Test Report				Date of issue: 2011.12.19							
Customer:				Serial No.: 3GE081910T0731							
				Type: M3AA 100LC 6 Product Code: 3GAA103442-_HE							
Customer ref.:											
Rating:				V	Hz	kW	r/min	A	cos φ	Duty	
3~Motor Insul.cl.F IP55  Eff class IE2				415	D 50	1,50	950	3,60	0,72	S1	
				50Hz : IE2 - 79,8(100%) - 80,4(75%) - 78,3(50%)							
Resistance Line				Ambient: 25,0 °C				Insulation resistance at 24 °C R > 2000 Mohm 1000 V		Overload Current 150 % 120s Torque 160 % 15s Speed 120 % 120s	
U <sub>1</sub> - V <sub>1</sub>				8,45000 Ω				High-voltage test winding 2400 V 60 s			
U <sub>1</sub> - W <sub>1</sub>				8,46000 Ω							
V <sub>1</sub> - W <sub>1</sub>				8,46000 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		415 D	50	2,3	0,16		1000	0,10			
Locked rotor test		106 D	50	3,6	0,37		0	0,56			
Thermal test ( 100% load )	15,1	415 D	50	3,6	1,88	1,50	950	0,72	79,80		
Partial load points:											
~75% load	11,1	415 D	50	2,9	1,40	1,13	965	0,65	80,40		
~50% load	7,3	415 D	50	2,5	0,96	0,75	978	0,53	78,30		
~25% load	3,6	415 D	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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