



Type Test Report				Date of issue: 2012.05.09						
Customer:				Serial No.: 3GE121510T0002						
				Customer ref.:				Type: M3AA 100 LC 8 HO		
Rating:				V	Hz	kW	r/min	A	cos φ	Duty
3~Motor				690	Y 50	1,50	685	2,70	0,64	S1
Insul.cl.F				400	D 50	1,50	685	4,70	0,64	S1
IP55				460	D 60	1,50	845	4,00	0,60	S1
Resistance				Insulation resistance at 25 °C				Overload		
Line Ambient: 19,2 °C				R > 2000 Mohm 1000 V				Current 150 % 120s		
U <sub>1</sub> - V <sub>1</sub> 8,34000 Ω								Torque 160 % 15s		
U <sub>1</sub> - W <sub>1</sub> 8,34000 Ω								Speed 120 % 120s		
V <sub>1</sub> - W <sub>1</sub> 8,35000 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 D	50	3,6	0,30		750	0,12		
Locked rotor test		142,5 D	50	4,7	0,74		0	0,63		
Thermal test ( 100% load )	20,8	400 D	50	4,5	2,08	1,50	690	0,66	72,00	
Partial load points:										
~75% load	15,2	400 D	50	4,0	1,56	1,13	708	0,56	72,20	
~50% load	9,9	400 D	50	3,6	1,10	0,75	724	0,43	68,30	
~25% load	4,8	400 D	50	3,6	0,65	0,38	740	0,26	57,40	
Temperature rise at rated load.				°C	K	Method		Measurement method		
Stator winding :				88,3	3			1 Resistance		
Frame :				51,3	3			2 Thermometer		
Bearing D-end :				51,9	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			8.5.2012			
Tested by Asea Brown Boveri, S.A., Fabrica Motores , 08192 Sant Quirze del Valles , Spain								Telephone		+34 93 728 85 00
								Telefax		+34 93 728 85 33

Computer print-out valid without signature.