



Type Test Report					Date of issue: 2012.04.02						
Customer:					Serial No.: 3GE121110T0001						
					Type: M3AA 100 LA 8					Product Code: 3GAA104001-_SE	
Customer ref.:											
Rating:					V	Hz	kW	r/min	A	cos φ	Duty
3~Motor					230	D 50	0,75	720	5,50	0,47	S1
Insul.cl.F					400	Y 50	0,75	720	3,20	0,47	S1
IP55					460	Y 60	0,75	865	2,40	0,51	S1
Resistance					Insulation resistance at 25 °C					Overload	
Line Ambient: 15,4 °C					R > 2000 Mohm 1000 V					Current 150 % 120s	
U <sub>1</sub> - V <sub>1</sub> 15,86000 Ω										Torque 160 % 15s	
U <sub>1</sub> - W <sub>1</sub> 15,86000 Ω										Speed 120 % 120s	
V <sub>1</sub> - W <sub>1</sub> 15,88000 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	2,3	0,21		750	0,13			
Locked rotor test		262 Y	50	5,5	1,68		0	0,67			
Thermal test ( 100% load )	10,0	400 Y	50	2,6	1,05	0,75	714	0,58	71,40		
Partial load points:											
~75% load	7,4	400 Y	50	2,3	0,81	0,56	723	0,49	69,20		
~50% load	4,9	400 Y	50	2,2	0,60	0,38	732	0,38	63,00		
~25% load	2,4	400 Y	50	2,1	0,39	0,19	741	0,26	48,40		
Temperature rise at rated load.					°C	[K]	Method		Measurement method		
Stator winding :					43,5	3			1 Resistance		
Frame :					16,5	3			2 Thermometer		
Bearing D-end :					16,4	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			27.3.2012					
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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