



Type Test Report				Date of issue: 2011-10-05							
Customer:				Serial No.: 3GE070910T3002							
				Type: M2AA 100L 2 Product Code: 3GAA101001-_SE							
Customer ref.:											
Rating:				V	Hz	kW	r/min	A	cos φ	Duty	
3-Motor				230	D 50	3,00	2905	10,50	0,84	S1	
Insul.cl.F				400	Y 50	3,00	2905	6,10	0,84	S1	
IP55				460	Y 60	3,00	3520	5,40	0,80	S1	
Eff class IE1				50Hz : IE1 - 84,5(100%) - 84,9(75%) - 83,4(50%) 60Hz : IE1 - 86,3(100%)							
Resistance				Insulation resistance at 30 °C				Overload			
Line				Ambient: 27,0 °C				R > 2000 Mohm 1000 V			
U ₁ - V ₁				3,45000 Ω				Current 150% 120s			
U ₁ - W ₁				3,45200 Ω				Torque 160% 15s			
V ₁ - W ₁				3,45500 Ω				Speed 120% 120s			
				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	3,6	0,23		3000	0,09			
Locked rotor test		65,1 Y	50	6,2	0,45		0	0,64			
Thermal test (100% load)	9,9	400 Y	50	6,0	3,55	3,00	2904	0,84	84,50		
Partial load points:											
~75% load	7,3	400 Y	50	5,0	2,65	2,25	2933	0,76	84,90		
~50% load	4,8	400 Y	50	4,1	1,80	1,50	2960	0,63	83,40		
~25% load	2,4	400 Y	50	3,6	1,00	0,75	2983	0,40	74,90		
Temperature rise at rated load.				°C	[K]	Method		Measurement method			
Stator winding :				78,0	3			1 Resistance			
Frame :				16	3			2 Thermometer			
Bearing D-end :				31	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			2007-04-17					
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				

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