



Type Test Report				Date of issue: 4.11.2015															
Customer:				Serial No.:															
Customer ref.:				Type: M3AA 100 LB 2 Product Code: 3GAA101520-_SE															
Rating:		V		Hz		kW		r/min		A		η [%]		Duty					
3-Motor		400		Y 50		3,00		2920		5,8		0,86		S1					
Insul.cl.F		230		D 50		3,00		2920		10,1		0,86		S1					
IP55		460		Y 60		3,00		3530		5,1		0,84		S1					
Eff class IE2		50Hz : IE2 - 86,4%(100%) - 86,1%(75%) - 84,0%(50%) 60Hz : IE2 - 87,5%(100%)																	
Resistance Line				Ambient: 20,1 °C				Insulation resistance at 25,7 °C				Overload							
U ₁ - V ₁				2,44000 Ω				R > 2000 Mohm				1000 V							
U ₁ - W ₁				2,43000 Ω								Current 150 % 120s							
V ₁ - W ₁				2,43400 Ω								Torque 160 % 15s							
								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		2,7		0,25				3000		0,13			
Locked rotor test				48,8 Y		50		6,1		0,32				0		0,62			
Thermal test (100% load)		9,8		400 Y		50		5,8		3,50		3,00		2918		0,87		85,60	
Partial load points:																			
~75% load		7,3		400 Y		50		4,6		2,64		2,25		2939		0,82		85,30	
~50% load		4,8		400 Y		50		3,6		1,81		1,50		2958		0,72		83,10	
~25% load		2,4		400 Y		50		2,6		0,99		0,75		2977		0,53		75,50	
Temperature rise at rated load.				[°C]		[K]		Method		Measurement method									
Stator winding :				45,0		45,0		3		1 Resistance									
Frame :				19,1		19,1		3		2 Thermometer									
Bearing D-end :				30,8		30,8		3		3 Thermocouples									
Ambient Temperature :				25		25		3											
<p>These tests have been carried out on motor no. 3GE100210T3002, on date 2010-01-19 which is identical in electrical design with the above.</p> <p>Manufactured and tested in accordance with rules of IEC 60034-1 and IEC 60034-2-1. PLL determined from residual loss.</p>																			
On behalf of customer																			
On behalf of manufacturer										Date of test									
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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