



Type Test Report					Date of issue: 2012.05.09								
Customer:					Serial No.: 3GE121510T0002								
					Type: M3AA 100 LC 8 HO					Product Code: 3GAA104003-_SE			
Customer ref.:													
Rating:					V	Hz	kW	r/min	A	cos φ	Duty		
3~Motor					230	D 50	1,50	685	8,10	0,64	S1		
Insul.cl.F					400	Y 50	1,50	685	4,70	0,64	S1		
IP55					460	Y 60	1,50	845	4,00	0,60	S1		
Resistance					Insulation resistance at 25 °C					Overload			
Line					R > 2000 Mohm 1000 V					Current 150 % 120s			
U <sub>1</sub> - V <sub>1</sub>					Ambient: 19,2 °C					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 Y 50	50	3,6	0,30		750	0,12	
Locked rotor test						142,5 Y 50	50	4,7	0,74		0	0,63	
Thermal test ( 100% load )					20,8	400 Y 50	50	4,5	2,08	1,50	690	0,66	72,00
Partial load points:													
~75% load					15,2	400 Y 50	50	4,0	1,56	1,13	708	0,56	72,20
~50% load					9,9	400 Y 50	50	3,6	1,10	0,75	724	0,43	68,30
~25% load					4,8	400 Y 50	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			Telephone +34 93 728 85 00				
Tested by Asea Brown Boveri, S.A., Fabrica Motores , 08192 Sant Quirze del Valles , Spain								Telefax +34 93 728 85 33					

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