



Type Test Report					Date of issue: 2012.02.15						
Customer:					Serial No.: 3GE082710T1108						
					Type: M3AA 100LB 8					Product Code: 3GAA104002-_SE	
Customer ref.:											
Rating:					V	Hz	kW	r/min	A	cos φ	Duty
3~Motor					230	D 50	1,10	695	5,30	0,66	S1
Insul.cl.F					400	Y 50	1,10	695	3,10	0,66	S1
IP55					460	Y 60	1,10	860	3,10	0,57	S1
Resistance					Insulation resistance at 26 °C					Overload	
Line Ambient: 26,0 °C					R > 2000 Mohm 1000 V					Current 150 % 120s	
U ₁ - V ₁ 11,09000 Ω										Torque 160 % 15s	
U ₁ - W ₁ 11,10000 Ω										Speed 120 % 120s	
V ₁ - W ₁ 11,10000 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	2,9	0,24		750	0,12			
Locked rotor test		128 Y	50	3,5	0,47		0	0,61			
Thermal test (100% load)	15,0	400 Y	50	3,4	1,51	1,10	702	0,63	72,90		
Partial load points:											
~75% load	11,0	400 Y	50	3,1	1,15	0,83	715	0,53	71,70		
~50% load	7,2	400 Y	50	2,8	0,82	0,55	727	0,42	67,20		
~25% load	3,6	400 Y	50	2,6	0,51	0,28	738	0,28	53,70		
Temperature rise at rated load.					°C	[K]	Method		Measurement method		
Stator winding :					56,3	3			1 Resistance		
Frame :					30	3			2 Thermometer		
Bearing D-end :					35	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			23.7.2008					
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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