



Type Test Report					Date of issue: 2011.12.28						
Customer:					Serial No.: 3GE081513T5502						
					Type: M3AA 132SB 2					Product Code: 3GAA131312-_SE	
Customer ref.:											
Rating:					V	Hz	kW	r/min	A	cos φ	Duty
3~Motor					230	D 50	5,5	2915	19,00	0,82	S1
Insul.cl.F					400	Y 50	5,5	2915	11,00	0,82	S1
IP55					460	Y 60	5,5	3515	9,00	0,86	S1
Eff class IE2					50Hz : IE2 - 88,0(100%) - 88,5(75%) - 87,6(50%) 60Hz : IE2 - 88,5(100%)						
Resistance					Insulation resistance at 21 °C					Overload	
Line					R > 2000 Mohm 1000 V					Current 150 % 120s	
U ₁ - V ₁					Ambient: 24,0 °C					Torque 160 % 15s	
U ₁ - W ₁					1,28200 Ω					Speed 120 % 120s	
V ₁ - W ₁					1,28100 Ω						
					1,27800 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	3,7	0,31		3000	0,12			
Locked rotor test		70 Y	50	11,2	0,58		0	0,43			
Thermal test (100% load)	18,0	400 Y	50	10,5	6,34	5,50	2911	0,87	86,70		
Partial load points:											
~75% load	13,4	400 Y	50	8,2	4,73	4,13	2938	0,83	87,30		
~50% load	8,9	400 Y	50	6,1	3,19	2,75	2959	0,75	86,30		
~25% load	4,4	400 Y	50	4,3	1,70	1,38	2978	0,57	80,90		
Temperature rise at rated load.					°C	K	Method		Measurement method		
Stator winding :					48,5	3			1 Resistance		
Frame :					11,0	3			2 Thermometer		
Bearing D-end :					33,0	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			30.4.2008					
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	

Computer print-out valid without signature.