



Type Test Report				Date of issue: 2011.12.28							
Customer:				Serial No.: 3GE081513T5502							
				Type: M3AA 132SB 2 Product Code: 3GAA131312-DE							
Customer ref.:											
Rating:				V	Hz	kW	r/min	A	cos φ	Duty	
3~Motor				690	Y 50	5,5	2915	6,30	0,82	S1	
Insul.cl.F				400	D 50	5,5	2915	11,00	0,82	S1	
IP55				460	D 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 Ambient: 24,0 °C				R > 2000 Mohm 1000 V				Current 150 % 120s Torque 160 % 15s Speed 120 % 120s			
U <sub>1</sub> - V <sub>1</sub>				1,28200 Ω							
U <sub>1</sub> - W <sub>1</sub>				1,28100 Ω							
V <sub>1</sub> - W <sub>1</sub>				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 D	50	3,7	0,31		3000	0,12			
Locked rotor test		70 D	50	11,2	0,58		0	0,43			
Thermal test ( 100% load )	18,0	400 D	50	10,5	6,34	5,50	2911	0,87	86,70		
Partial load points:											
~75% load	13,4	400 D	50	8,2	4,73	4,13	2938	0,83	87,30		
~50% load	8,9	400 D	50	6,1	3,19	2,75	2959	0,75	86,30		
~25% load	4,4	400 D	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		
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