



Type Test Report					Date of issue: 2011.12.28						
Customer:					Serial No.: 3GE083611T1508						
					Type: M3AA 112M 8					Product Code: 3GAA114101-DE	
Customer ref.:											
Rating:					V	Hz	kW	r/min	A	cos φ	Duty
3~Motor					690	Y 50	1,50	690	2,30	0,7	S1
Insul.cl.F					400	D 50	1,50	690	4,10	0,7	S1
IP55					460	D 60	1,50	855	3,90	0,61	S1
Resistance					Insulation resistance at 25 °C					Overload	
Line Ambient: 23,0 °C					R > 2000 Mohm 1000 V					Current 150 % 120s	
U <sub>1</sub> - V <sub>1</sub> 8,15000 Ω										Torque 160 % 15s	
U <sub>1</sub> - W <sub>1</sub> 8,12000 Ω										Speed 120 % 120s	
V <sub>1</sub> - W <sub>1</sub> 8,13000 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	3,3	0,26		750	0,11			
Locked rotor test		121 D	50	4,3	0,53		0	0,59			
Thermal test ( 100% load )	20,5	400 D	50	4,3	2,01	1,50	698	0,66	74,70		
Partial load points:											
~75% load	15,1	400 D	50	3,8	1,52	1,13	713	0,57	74,40		
~50% load	9,9	400 D	50	3,3	1,06	0,75	725	0,45	70,90		
~25% load	4,9	400 D	50	3,2	0,66	0,38	738	0,29	58,00		
Temperature rise at rated load.					°C	K	Method		Measurement method		
Stator winding :					60,6	3			1 Resistance		
Frame :					36	3			2 Thermometer		
Bearing D-end :					38	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			20.9.2008					
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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