



Type Test Report					Date of issue: 2012.06.01						
Customer:					Serial No.: 3GE122210T0001						
					Type: M3AA 112 MB 8					Product Code: 3GAA114442-HE	
Customer ref.:											
Rating:					V	Hz	kW	r/min	A	cos φ	Duty
3~Motor Insul.cl.F IP55					415	D 50	1,50	695	3,80	0,69	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: 24,2 °C					Torque 160 % 15s	
U <sub>1</sub> - W <sub>1</sub>					8,40000 Ω					Speed 120 % 120s	
V <sub>1</sub> - W <sub>1</sub>					8,42000 Ω						
					8,40000 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		415 D	50	2,9	0,19		750	0,09			
Locked rotor test		126,2 D	50	3,9	0,53		0	0,62			
Thermal test ( 100% load )	20,6	415 D	50	3,8	1,93	1,50	695	0,69	77,90		
Partial load points:											
~75% load	15,1	415 D	50	3,5	1,45	1,13	711	0,57	77,60		
~50% load	9,9	415 D	50	3,1	1,00	0,75	725	0,44	75,10		
~25% load	4,9	415 D	50	2,8	0,58	0,38	738	0,28	64,20		
Temperature rise at rated load.					°C	K	Method		Measurement method		
Stator winding :					60,0	3			1 Resistance		
Frame :					31,8	3			2 Thermometer		
Bearing D-end :					32,7	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			1.6.2012					
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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