



Type Test Report					Date of issue: 2012.05.11						
Customer:					Serial No.: 3GE121510T0001						
					Type: M3AA 112 MB 8 HO					Product Code: 3GAA114102-DE	
Customer ref.:											
Rating:					V	Hz	kW	r/min	A	cos φ	Duty
3~Motor					690	Y 50	2,00	690	3,30	0,67	S1
Insul.cl.F					400	D 50	2,00	690	5,80	0,67	S1
IP55					460	D 60	2,00	850	5,00	0,63	S1
Resistance					Insulation resistance at 25 °C					Overload	
Line					R > 2000 Mohm 1000 V					Current 150 % 120s	
U ₁ - V ₁					Ambient: 20,5 °C					Torque 160 % 15s	
U ₁ - W ₁					6,28000 Ω					Speed 120 % 120s	
V ₁ - W ₁					6,29000 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	4,1	0,32		750	0,11			
Locked rotor test		133,3 D	50	5,8	0,86		0	0,64			
Thermal test (100% load)	28,0	400 D	50	5,6	2,74	2,00	683	0,70	73,00		
Partial load points:											
~75% load	20,4	400 D	50	4,7	2,02	1,50	703	0,61	74,30		
~50% load	13,2	400 D	50	4,2	1,39	1,00	721	0,47	71,70		
~25% load	6,5	400 D	50	3,9	0,83	0,50	736	0,30	59,90		
Temperature rise at rated load.					°C	K	Method		Measurement method		
Stator winding :					88,0	3			1 Resistance		
Frame :					57,6	3			2 Thermometer		
Bearing D-end :					59,7	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			10.5.2012					
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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