



Type Test Report					Date of issue: 2012.03.06						
Customer:					Serial No.: 3GE100813T0011						
					Type: M3AA 132 MB 8 HO					Product Code: 3GAA134003-DE	
Customer ref.:											
Rating:					V	Hz	kW	r/min	A	cos φ	Duty
3~Motor					690	Y 50	3,80	710	6,00	0,68	S1
Insul.cl.F					400	D 50	3,80	710	10,50	0,68	S1
IP55					460	D 60	3,80	865	9,10	0,65	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: 25,8 °C					Torque 160 % 15s	
U <sub>1</sub> - W <sub>1</sub>					2,77500 Ω					Speed 120 % 120s	
V <sub>1</sub> - W <sub>1</sub>					2,76600 Ω						
					2,77200 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	6,4	0,44		750	0,10			
Locked rotor test		137,8 D	50	11,2	1,38		0	0,52			
Thermal test ( 100% load )	51,1	400 D	50	9,9	4,95	3,80	710	0,72	76,70		
Partial load points:											
~75% load	37,7	400 D	50	8,3	3,66	2,85	722	0,63	77,80		
~50% load	24,8	400 D	50	7,2	2,50	1,90	733	0,50	76,00		
~25% load	12,2	400 D	50	6,3	1,46	0,95	741	0,33	65,20		
Temperature rise at rated load.					°C	K	Method		Measurement method		
Stator winding :					86,3	3			1 Resistance		
Frame :					49,2	3			2 Thermometer		
Bearing D-end :					59	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			21.4.2010					
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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