



Type Test Report				Date of issue: 2012.02.06							
Customer:				Serial No.: 3GE114110P7106004B							
				Customer ref.:				Type: M3AA 112 MB 6			Product Code: 3GAA113442-_HE
Rating:				V	Hz	kW	r/min	A	cos φ	Duty	
3~Motor Insul.cl.F IP55  Eff class IE2				415	D 50	2,20	965	5,70	0,64	S1	
50Hz : IE2 - 83(100%) - 82,3(75%) - 79,1(50%)											
Resistance Line				Ambient: 13,4 °C			Insulation resistance at 25 °C R > 2000 Mohm 1000 V		Overload		
U <sub>1</sub> - V <sub>1</sub> U <sub>1</sub> - W <sub>1</sub> V <sub>1</sub> - W <sub>1</sub>				3,76500 Ω 3,76600 Ω 3,75900 Ω					Current 150 % 120s Torque 160 % 15s Speed 120 % 120s		
				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	4,2	0,25		1000	0,08			
Locked rotor test		101,8 D	50	5,7	0,51		0	0,50			
Thermal test ( 100% load )	21,8	415 D	50	5,7	2,65	2,20	965	0,64	83,00		
Partial load points:											
~75% load	16,2	415 D	50	5,0	2,00	1,65	974	0,55	82,30		
~50% load	10,7	415 D	50	4,6	1,39	1,10	984	0,42	79,10		
~25% load	5,3	415 D	50	4,3	0,81	0,55	992	0,26	68,10		
Temperature rise at rated load.				°C	K	Method		Measurement method			
Stator winding :				42,0	3			1 Resistance			
Frame :				28,1	3			2 Thermometer			
Bearing D-end :				30,3	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		1.2.2012						
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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