



Type Test Report					Date of issue: 2012.02.06						
Customer:					Serial No.: 3GE114110P7106004B						
					Type: M3AA 112 MB 6					Product Code: 3GAA113442-GE	
Customer ref.:											
Rating:					V	Hz	kW	r/min	A	cos φ	Duty
3~Motor					415	Y 50	2,20	965	5,70	0,64	S1
Insul.cl.F											
IP55											
Eff class IE2					50Hz : IE2 - 83(100%) - 82,3(75%) - 79,1(50%)						
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: 13,4 °C					Torque 160 % 15s	
U <sub>1</sub> - W <sub>1</sub>					3,76500 Ω					Speed 120 % 120s	
V <sub>1</sub> - W <sub>1</sub>					3,76600 Ω						
					3,75900 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 Y	50	4,2	0,25		1000	0,08			
Locked rotor test		101,8 Y	50	5,7	0,51		0	0,50			
Thermal test ( 100% load )	21,8	415 Y	50	5,7	2,65	2,20	965	0,64	83,00		
Partial load points:											
~75% load	16,2	415 Y	50	5,0	2,00	1,65	974	0,55	82,30		
~50% load	10,7	415 Y	50	4,6	1,39	1,10	984	0,42	79,10		
~25% load	5,3	415 Y	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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