



Type Test Report					Date of issue: 2011.09.26						
Customer:					Serial No.: 3GE113113P4910						
					Type: M3AA 132MA 6					Product Code: 3GAA133312-_SE	
Customer ref.:											
Rating:					V	Hz	kW	r/min	A	cos φ	Duty
3~Motor					230	D 50	4,0	960	17,30	0,68	S1
Insul.cl.F					400	Y 50	4,0	960	10,00	0,68	S1
IP55					460	Y 60	4,0	1165	8,70	0,67	S1
50Hz : IE2 - 84,9(100%) - 85,3(75%) - 83,9(50%)											
60Hz : IE1 - 85,4(100%)											
Resistance					Insulation resistance at 28,4 °C					Overload	
Line Ambient: 24,9 °C					R > 2000 Mohm 1000 V					Current 150 % 120s	
U ₁ - V ₁ 1,72600 Ω										Torque 160 % 15s	
U ₁ - W ₁ 1,72600 Ω										Speed 120 % 120s	
V ₁ - W ₁ 1,72500 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 Y	50	6,6	0,36		1000	0,08			
Locked rotor test		105 Y	50	10,0	0,88		0	0,48			
Thermal test (100% load)	39,8	400 Y	50	10,0	4,71	4,00	960	0,68	84,90		
Partial load points:											
~75% load	29,4	400 Y	50	8,1	3,52	3,00	975	0,62	85,30		
~50% load	19,4	400 Y	50	6,8	2,38	2,00	984	0,50	83,90		
~25% load	9,6	400 Y	50	6,0	1,31	1,00	992	0,31	76,40		
Temperature rise at rated load.					°C	K	Method		Measurement method		
Stator winding :					59,0	3			1 Resistance		
Frame :					27,0	3			2 Thermometer		
Bearing D-end :					34,2	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		8.9.2011						
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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