



Type Test Report					Date of issue: 2011.12.28						
Customer:					Serial No.: 3GE103313T0001						
					Type: M3AA 132MC 6					Product Code: 3GAA133314-SE	
Customer ref.:											
Rating:					V	Hz	kW	r/min	A	cos φ	Duty
3~Motor					230	D 50	5,5	965	23,30	0,68	S1
Insul.cl.F					400	Y 50	5,5	965	13,50	0,68	S1
IP55					460	Y 60	5,5	1170	11,50	0,68	S1
50Hz : IE2 - 86,1(100%) - 86,0(75%) - 84,2(50%)											
60Hz : IE1 - 87,6(100%)											
Resistance					Insulation resistance at 23,2 °C					Overload	
Line Ambient: 14,6 °C					R > 2000 Mohm 1000 V					Current 150 % 120s	
U ₁ - V ₁ 1,01300 Ω										Torque 160 % 15s	
U ₁ - W ₁ 1,01600 Ω										Speed 120 % 120s	
V ₁ - W ₁ 1,01600 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	8,7	0,41		1000	0,07			
Locked rotor test		98,4 Y	50	13,5	1,02		0	0,44			
Thermal test (100% load)	54,3	400 Y	50	13,3	6,38	5,50	968	0,69	86,20		
Partial load points:											
~75% load	40,4	400 Y	50	11,3	4,79	4,13	977	0,61	86,20		
~50% load	26,7	400 Y	50	9,8	3,26	2,75	985	0,48	84,30		
~25% load	13,3	400 Y	50	8,7	1,81	1,38	992	0,30	76,30		
Temperature rise at rated load.					°C	[K]	Method		Measurement method		
Stator winding :					54,7	3			1 Resistance		
Frame :					29,0	3			2 Thermometer		
Bearing D-end :					41,1	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			15.12.2010					
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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