



Type Test Report					Date of issue: 2012.02.22						
Customer:					Serial No.: 3GE120513P0341						
					Type: M3AA 132 MC 6					Product Code: 3GAA133444-GE	
Customer ref.:											
Rating:					V	Hz	kW	r/min	A	cos φ	Duty
3~Motor					415	Y 50	5,50	975	12,6	0,68	S1
Insul.cl.F											
IP55											
Eff class IE3					50Hz : IE3 - 88,7(100%) - 88,6(75%) - 87(50%)						
Resistance					Insulation resistance at 25 °C					Overload	
Line					R > 2000 Mohm 1000 V					Current 150 % 120s	
U ₁ - V ₁					Ambient: 13,1 °C					Torque 160 % 15s	
U ₁ - W ₁					1,16200 Ω					Speed 120 % 120s	
V ₁ - W ₁					1,16300 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	7,8	0,33		1000	0,06			
Locked rotor test		108,3 Y	50	12,8	0,79		0	0,33			
Thermal test (100% load)	53,9	415 Y	50	12,6	6,20	5,50	975	0,68	88,70		
Partial load points:											
~75% load	40,1	415 Y	50	10,6	4,66	4,13	983	0,61	88,60		
~50% load	26,6	415 Y	50	9,1	3,16	2,75	989	0,48	87,00		
~25% load	13,2	415 Y	50	7,9	1,72	1,38	995	0,30	79,90		
Temperature rise at rated load.					°C	K	Method		Measurement method		
Stator winding :					40,2	3			1 Resistance		
Frame :					24,2	3			2 Thermometer		
Bearing D-end :					24,9	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			21.2.2012					
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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