



Type Test Report					Date of issue: 2012.02.16						
Customer:					Serial No.: 3GE120313T0001						
					Type: M3AA 132 MA 6					Product Code: 3GAA133442-_HE	
Customer ref.:											
Rating:					V	Hz	kW	r/min	A	cos φ	Duty
3~Motor					415	D 50	3,00	975	7,10	0,68	S1
Insul.cl.F											
IP55											
Eff class IE2					50Hz : IE2 - 85,9(100%) - 85,6(75%) - 83,4(50%)						
Resistance					Insulation resistance at 25 °C					Overload	
Line					R > 2000 Mohm 1000 V					Current 150 % 120s	
U ₁ - V ₁					Ambient: 10,3 °C					Torque 160 % 15s	
U ₁ - W ₁					2,05800 Ω					Speed 120 % 120s	
V ₁ - W ₁					2,05700 Ω						
					2,05500 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 D	50	4,8	0,24		1000	0,07			
Locked rotor test		91,9 D	50	6,9	0,45		0	0,41			
Thermal test (100% load)	29,4	415 D	50	7,1	3,49	3,00	975	0,68	85,90		
Partial load points:											
~75% load	21,9	415 D	50	6,0	2,63	2,25	981	0,60	85,60		
~50% load	14,5	415 D	50	5,3	1,80	1,50	988	0,47	83,40		
~25% load	7,2	415 D	50	4,7	1,00	0,75	994	0,29	74,70		
Temperature rise at rated load.					°C	K	Method		Measurement method		
Stator winding :					34,4	3			1 Resistance		
Frame :					18	3			2 Thermometer		
Bearing D-end :					21,3	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		13.2.2012						
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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