



Type Test Report					Date of issue: 2011.12.28						
Customer:					Serial No.: 3GE092636P5897						
					Type: M3AA 132SMB 2 HO					Product Code: 3GAA131315-_SE	
Customer ref.:											
Rating:					V	Hz	kW	r/min	A	cos φ	Duty
3~Motor					230	D 50	11,0	2900	35,00	0,87	S1
Insul.cl.F					400	Y 50	11,0	2900	20,20	0,87	S1
IP55					460	Y 60	11,0	3510	16,10	0,94	S1
Eff class IE2					50Hz : IE2 - 90,3(100%) - 90,8(75%) - 90,4(50%)						
					60Hz : IE2 - 90,9(100%)						
Resistance					Insulation resistance at 29,4 °C					Overload	
Line					R > 2000 Mohm 1000 V					Current 150 % 120s	
U ₁ - V ₁					Ambient: 25,8 °C					Torque 160 % 15s	
U ₁ - W ₁					0,52000 Ω					Speed 120 % 120s	
V ₁ - W ₁					0,52000 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	5,6	0,44		3000	0,12			
Locked rotor test		67,4 Y	50	21,0	1,01		0	0,41			
Thermal test (100% load)	36,3	400 Y	50	19,6	12,25	11,00	2897	0,90	89,80		
Partial load points:											
~75% load	26,9	400 Y	50	14,9	9,13	8,25	2925	0,88	90,40		
~50% load	17,8	400 Y	50	10,7	6,12	5,50	2950	0,82	89,90		
~25% load	8,8	400 Y	50	6,8	3,19	2,75	2973	0,67	86,30		
Temperature rise at rated load.					°C	K	Method		Measurement method		
Stator winding :					53,0	3			1 Resistance		
Frame :					10,3	3			2 Thermometer		
Bearing D-end :					29,3	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			13.7.2009					
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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