



Type Test Report					Date of issue: 2011.12.28						
Customer:					Serial No.: 3GE081913T0761						
					Type: M3AA 132SMB 4 HO					Product Code: 3GAA132315-DE	
Customer ref.:											
Rating:					V	Hz	kW	r/min	A	cos φ	Duty
3~Motor					690	Y 50	11,0	1460	12,80	0,79	S1
Insul.cl.F					400	D 50	11,0	1460	22,20	0,79	S1
IP55					460	D 60	11,0	1765	18,80	0,80	S1
Eff class IE2					50Hz : IE2 - 90,4(100%) - 91,0(75%) - 90,1(50%)						
					60Hz : IE2 - 91,5(100%)						
Resistance					Insulation resistance at 23,6 °C					Overload	
Line					R > 2000 Mohm 1000 V					Current 150 % 120s	
U ₁ - V ₁					Ambient: 17,4 °C					Torque 160 % 15s	
U ₁ - W ₁					0,57600 Ω					Speed 120 % 120s	
V ₁ - W ₁					0,57700 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 D	50	9,4	0,45		1500	0,07			
Locked rotor test		76,1 D	50	21,3	0,93		0	0,33			
Thermal test (100% load)	71,9	400 D	50	21,5	12,22	11,00	1461	0,82	90,00		
Partial load points:											
~75% load	53,5	400 D	50	17,0	9,12	8,25	1472	0,77	90,50		
~50% load	35,4	400 D	50	13,6	6,14	5,50	1482	0,65	89,60		
~25% load	17,6	400 D	50	10,9	3,25	2,75	1492	0,43	84,50		
Temperature rise at rated load.					°C	K	Method		Measurement method		
Stator winding :					52,4	3			1 Resistance		
Frame :					25,3	3			2 Thermometer		
Bearing D-end :					38,3	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			11.12.2008					
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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