



Type Test Report				Date of issue: 2011.12.28							
Customer:				Serial No.: 3GE080413T7502							
				Type: M3AA 132SC 2 Product Code: 3GAA131313-DE							
Customer ref.:											
Rating:				V	Hz	kW	r/min	A	cos φ	Duty	
3~Motor				690	Y 50	7,5	2915	8,00	0,87	S1	
Insul.cl.F				400	D 50	7,5	2915	14,00	0,87	S1	
IP55				460	D 60	7,5	3520	11,80	0,89	S1	
Eff class IE2				50Hz : IE2 - 88,5(100%) - 88,7(75%) - 88,1(50%) 60Hz : IE2 - 89,5(100%)							
Resistance				Insulation resistance at 17 °C				Overload			
Line				R > 2000 Mohm 1000 V				Current 150 % 120s Torque 160 % 15s Speed 120 % 120s			
U ₁ - V ₁				Ambient: 18,0 °C				High-voltage test winding 2400 V 60 s			
U ₁ - W ₁				0,99000 Ω							
V ₁ - W ₁				0,98600 Ω							
				0,99000 Ω							
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	3,4	0,39		3000	0,16			
Locked rotor test		70,7 D	50	13,3	0,65		0	0,40			
Thermal test (100% load)	24,6	400 D	50	13,6	8,52	7,50	2915	0,90	88,00		
Partial load points:											
~75% load	18,3	400 D	50	10,8	6,39	5,63	2938	0,85	88,10		
~50% load	12,1	400 D	50	7,4	4,28	3,75	2967	0,83	87,60		
~25% load	6,0	400 D	50	4,7	2,29	1,88	2983	0,69	82,00		
Temperature rise at rated load.				°C	K	Method		Measurement method			
Stator winding :				53,2	3			1 Resistance			
Frame :				16,0	3			2 Thermometer			
Bearing D-end :				27,0	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			13.2.2008					
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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