



Type Test Report					Date of issue: 2011.12.28						
Customer:					Serial No.: 3GE082213T0868						
					Type: M3AA 132SC 2 HO					Product Code: 3GAA131003-DE	
Customer ref.:											
Rating:					V	Hz	kW	r/min	A	cos φ	Duty
3~Motor					690	Y 50	11,0	2895	11,60	0,89	S1
Insul.cl.F					400	D 50	11,0	2895	20,10	0,89	S1
IP55					460	D 60	11,0	3505	17,20	0,89	S1
Eff class IE1					50Hz : IE1 - 88,7(100%) - 90,7(75%) - 91,1(50%)						
					60Hz : IE1 - 90,0(100%)						
Resistance					Insulation resistance at 26 °C					Overload	
Line					R > 2000 Mohm 1000 V					Current 150 % 120s	
U ₁ - V ₁					Ambient: 24,0 °C					Torque 160 % 15s	
U ₁ - W ₁					0,76600 Ω					Speed 120 % 120s	
V ₁ - W ₁					0,76600 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	6,0	0,37		3000	0,09			
Locked rotor test		72 D	50	21,0	1,19		0	0,45			
Thermal test (100% load)	36,3	400 D	50	20,2	12,47	11,00	2897	0,89	88,20		
Partial load points:											
~75% load	27,0	400 D	50	15,5	9,25	8,25	2922	0,86	89,20		
~50% load	17,8	400 D	50	11,3	6,16	5,50	2952	0,78	89,30		
~25% load	9,0	400 D	50	8,6	3,30	2,75	2929	0,55	83,40		
Temperature rise at rated load.					°C	K	Method		Measurement method		
Stator winding :					78,0	3			1 Resistance		
Frame :					27,0	3			2 Thermometer		
Bearing D-end :					46,0	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			27.6.2008					
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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