



Type Test Report					Date of issue: 2011.12.19						
Customer:					Serial No.: 3GE080413T7502						
					Type: M3AA 132SC 2					Product Code: 3GAA131443-GE	
Customer ref.:											
Rating:					V	Hz	kW	r/min	A	cos φ	Duty
3~Motor					415	Y 50	7,50	2920	13,20	0,89	S1
Insul.cl.F											
IP55											
Eff class IE2					50Hz : IE2 - 88,2(100%) - 88,4(75%) - 86,9(50%)						
Resistance					Insulation resistance at 17 °C					Overload	
Line					R > 2000 Mohm 1000 V					Current 150 % 120s	
U ₁ - V ₁					Ambient: 18,0 °C					Torque 160 % 15s	
U ₁ - W ₁					0,99000 Ω					Speed 120 % 120s	
V ₁ - W ₁					0,98600 Ω						
					0,99000 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 Y	50	3,6	0,39		3000	0,15			
Locked rotor test		70,7 Y	50	13,3	0,65		0	0,40			
Thermal test (100% load)	24,5	415 Y	50	13,2	8,50	7,50	2918	0,89	88,20		
Partial load points:											
~75% load	18,3	415 Y	50	10,1	6,36	5,63	2938	0,87	88,40		
~50% load	12,1	415 Y	50	7,5	4,32	3,75	2960	0,80	86,90		
~25% load	6,0	415 Y	50	5,1	2,35	1,88	2981	0,63	79,80		
Temperature rise at rated load.					°C	K	Method		Measurement method		
Stator winding :					53,2	3			1 Resistance		
Frame :					16	3			2 Thermometer		
Bearing D-end :					27	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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