



Type Test Report					Date of issue: 2011.12.19						
Customer:					Serial No.: 3GE114080T1102						
					Type: M3AA 80 C 2					Product Code: 3GAA081443-*GE	
Customer ref.:											
Rating:					V	Hz	kW	r/min	A	cos φ	Duty
3~Motor					415	Y 50	1,10	2890	2,40	0,75	S1
Insul.cl.F											
IP55											
Eff class IE2					50Hz : IE2 - 82,1(100%) - 81,9(75%) - 79,1(50%)						
Resistance					Insulation resistance at 20 °C					Overload	
Line					R > 2000 Mohm 1000 V					Current 150 % 120s	
U <sub>1</sub> - V <sub>1</sub>					Ambient: 18,4 °C					Torque 160 % 15s	
U <sub>1</sub> - W <sub>1</sub>					9,22000 Ω					Speed 120 % 120s	
V <sub>1</sub> - W <sub>1</sub>					9,20000 Ω						
					9,22000 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	1,57	0,09		3000	0,08			
Locked rotor test		64,3 Y	50	2,5	0,18		0	0,41			
Thermal test ( 100% load )	3,6	415 Y	50	2,4	1,34	1,10	2890	0,75	82,10		
Partial load points:											
~75% load	2,7	415 Y	50	2,1	1,01	0,83	2921	0,66	81,90		
~50% load	1,8	415 Y	50	1,90	0,70	0,55	2950	0,51	79,10		
~25% load	0,9	415 Y	50	1,94	0,42	0,28	2977	0,30	66,20		
Temperature rise at rated load.					°C	K	Method		Measurement method		
Stator winding :					34,7	3			1 Resistance		
Frame :					20,2	3			2 Thermometer		
Bearing D-end :					22,7	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			18.10.2011					
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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