



Type Test Report				Date of issue: 2012-02-15							
Customer:				Serial No.: 3GA083408T5504							
				Customer ref.:				Type: M2AA 80A 4			Product Code: 3GAA082001-_SE
Rating:				V	Hz	kW	r/min	A	cos φ	Duty	
3-Motor				230	D	50	0,55	1375	2,40	0,77	S1
Insul.cl.F				400	Y	50	0,55	1375	1,41	0,77	S1
IP55				460	Y	60	0,55	1695	1,20	0,74	S1
Resistance				Insulation resistance at 25 °C				Overload			
Line				Ambient: 22,0 °C				R > 2000 Mohm 1000 V			
U <sub>1</sub> - V <sub>1</sub>				31,53000 Ω				Current 150% 120s			
U <sub>1</sub> - W <sub>1</sub>				31,49000 Ω				Torque 160% 15s			
V <sub>1</sub> - W <sub>1</sub>				31,51000 Ω				Speed 120% 120s			
				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 Y	50	0,86	0,07		1500	0,12			
Locked rotor test		117 Y	50	1,50	0,22		0	0,71			
Thermal test ( 100% load )	3,8	400 Y	50	1,37	0,76	0,55	1373	0,80	72,70		
Partial load points:											
~75% load	2,8	400 Y	50	1,10	0,55	0,41	1411	0,72	74,70		
~50% load	1,9	400 Y	50	0,92	0,38	0,28	1443	0,59	73,70		
~25% load	0,9	400 Y	50	0,81	0,22	0,14	1473	0,39	64,40		
Temperature rise at rated load.				°C	K	Method		Measurement method			
Stator winding :				51,0	3			1 Resistance			
Frame :				23	3			2 Thermometer			
Bearing D-end :				14	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		2008-09-10						
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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