



<b>Test Report</b>				Cert. No.				M-file ref.:			
				Date of Issue 12/03/2010							
Customer:				Type: M2AA 90 S 4				Serial no.:			
Customer ref.:				Order no.:							
Rating: 3-Motor IE1				Product Code 3GAA092001-DE							
				V	Hz	kW	r/min	A	cos φ	IA/IN	TE[s]
Insul.cl.F				690	Y 50	1,1	1420	1,50	0,77		
S1				400	D 50	1,1	1420	2,60	0,77		
IP55				415	D 50	1,1	1430	2,60	0,74		
13 kg											
Resistance				Insulation resistance				Overload test			
Line		Pole	Ambient 24 °C	R > 140 Mohm							
		4	14,620 Ω	High-voltage test							
				2000 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		400	D 50	1,75	0,14		1500				
Rated load (cold)	7,34	400	D 50	2,50	1,40	1,10	1431				
Rated load (stab.)	7,41	400	D 50	2,60	1,40	1,10	1418	0,77	77,2		
144% rated load	11,22	400	D 50	3,80	2,20	1,60	1362	0,87	71,8		
Shortcircuit	4,80	400	Y 50	4,10			0	0,73			
Temperature rise at amb.temp. 24 °C				Temperature				Measurement method			
Stator winding	Pole	(K)	Method	Ambient	Pole	°C	Method	1 Resistance			
	4	64	1	Frame	4	24	3	2 Thermometer			
					4	49	3	3 Thermocouples			
Manufactured and tested in accordance with rules of IEC 34-2-1.											
On behalf of customer											
On behalf of manufacturer			Date of test		13.3.2007						
Tested by Asea Brown Boveri, S.A. /Sabadell											

Computer print-out valid without signature

**Asea Brown Boveri, S.A**  
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