



Type Test Report				Date of issue: 2012.03.19					
Customer:				Serial No.: 3GE121111S5502					
Customer ref.:				Type: M3AA 112 MB 2 HO Product Code: 3GAA111102-DE					
Rating:									
	V	Hz	kW	r/min	A	cos φ	Duty		
3~Motor	690	Y 50	5,50	2870	6,00	0,87	S1		
Insul.cl.F	400	D 50	5,50	2870	10,50	0,87	S1		
IP55	460	D 60	5,50	3490	8,90	0,87	S1		
Eff class IE1		50Hz : IE1 - 86,4(100%) - 88,2(75%) - 88(50%) 60Hz : IE1 - 88,2(100%)							
Resistance		Ambient: 15,1 °C		Insulation resistance at 25 °C		Overload			
Line				R > 2000 Mohm 1000 V		Current 150 % 120s Torque 160 % 15s Speed 120 % 120s			
U ₁ - V ₁		1,61000 Ω							
U ₁ - W ₁		1,61100 Ω							
V ₁ - W ₁		1,61200 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	3,8	0,26		3000	0,10	
Locked rotor test		71,9 D	50	10,2	0,80		0	0,63	
Thermal test (100% load)	18,3	400 D	50	10,3	6,48	5,50	2871	0,90	84,90
Partial load points:									
~75% load	13,6	400 D	50	8,0	4,77	4,13	2906	0,86	86,50
~50% load	8,9	400 D	50	5,9	3,17	2,75	2941	0,77	86,70
~25% load	4,4	400 D	50	4,4	1,68	1,38	2971	0,55	82,00
Temperature rise at rated load.		[°C]		[K]		Method		Measurement method	
Stator winding :				79,9		3		1 Resistance	
Frame :				35		3		2 Thermometer	
Bearing D-end :				42,1		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		15.3.2012					
Tested by Asea Brown Boveri, S.A., Fabrica Motores , 08192 Sant Quirze del Valles , Spain						Telephone +34 93 728 85 00		Telefax +34 93 728 85 33	

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