



Type Test Report					Date of issue: 2012.03.06						
Customer:					Serial No.: 3GE113511T3006						
					Type: M3AA 112 MB 6 HO					Product Code: 3GAA113102-DE	
Customer ref.:											
Rating:					V	Hz	kW	r/min	A	cos φ	Duty
3~Motor					690	Y 50	3,00	915	4,20	0,74	S1
Insul.cl.F					400	D 50	3,00	915	7,30	0,74	S1
IP55					460	D 60	3,00	1130	6,30	0,71	S1
Eff class IE1					50Hz : IE1 - 79,7(100%) - 83,6(75%) - 83,7(50%)						
60Hz : IE1 - 84,1(100%)											
Resistance					Insulation resistance at 25 °C					Overload	
Line					R > 2000 Mohm 1000 V					Current 150 % 120s	
U ₁ - V ₁					Ambient: 24,1 °C					Torque 160 % 15s	
U ₁ - W ₁					3,97000 Ω					Speed 120 % 120s	
V ₁ - W ₁					3,96700 Ω						
					3,97500 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	4,1	0,22		1000	0,08			
Locked rotor test		92,2 D	50	5,3	0,44		0	0,52			
Thermal test (100% load)	28,3	400 D	50	6,8	3,43	2,80	946	0,72	81,70		
Partial load points:											
~75% load	21,9	400 D	50	5,8	2,66	2,20	960	0,66	82,80		
~50% load	16,2	400 D	50	5,0	2,00	1,65	971	0,57	82,70		
~25% load	10,7	400 D	50	4,4	1,37	1,10	981	0,44	80,10		
Temperature rise at rated load.				°C	K	Method		Measurement method			
Stator winding :				68,0	3			1 Resistance			
Frame :				26,1	3			2 Thermometer			
Bearing D-end :				25,5	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			19.9.2011					
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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