



Type Test Report					Date of issue: 2012.03.06						
Customer:					Serial No.: 3GE100813T0004						
					Type: M3AA 132 MBA 4 HO					Product Code: 3GAA132004-_SE	
Customer ref.:											
Rating:					V	Hz	kW	r/min	A	cos φ	Duty
3~Motor					230	D 50	9,20	1460	32,30	0,79	S1
Insul.cl.F					400	Y 50	9,20	1460	18,70	0,79	S1
IP55					460	Y 60	9,20	1765	16,00	0,79	S1
Eff class IE2					50Hz : IE2 - 89,8(100%) - 90,8(75%) - 90,2(50%)						
					60Hz : IE2 - 91,3(100%)						
Resistance					Insulation resistance at 25 °C					Overload	
Line					R > 2000 Mohm 1000 V					Current 150 % 120s	
U <sub>1</sub> - V <sub>1</sub>					Ambient: 8,6 °C					Torque 160 % 15s	
U <sub>1</sub> - W <sub>1</sub>					0,74300 Ω					Speed 120 % 120s	
V <sub>1</sub> - W <sub>1</sub>					0,74500 Ω						
					0,74400 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 Y	50	8,6	0,39		1500	0,07			
Locked rotor test		78,6 Y	50	17,6	0,95		0	0,40			
Thermal test ( 100% load )	60,2	400 Y	50	18,5	10,30	9,20	1459	0,80	89,30		
Partial load points:											
~75% load	44,8	400 Y	50	14,9	7,68	6,90	1472	0,74	89,90		
~50% load	29,7	400 Y	50	11,8	5,17	4,60	1480	0,63	88,90		
~25% load	14,7	400 Y	50	9,6	2,75	2,30	1490	0,41	83,60		
Temperature rise at rated load.					°C	[K]	Method		Measurement method		
Stator winding :					64,6	3			1 Resistance		
Frame :					30,6	3			2 Thermometer		
Bearing D-end :					46,7	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			16.3.2010					
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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