



Type Test Report				Date of issue: 2011.12.28															
Customer:				Serial No.: 3GE114213T0001															
Customer ref.:				Type: M3AA 132MB 6 Product Code: 3GAA133313-_DE															
Rating:		V		Hz		kW		r/min		A		cos φ		Duty					
3~Motor		690		Y 50		4,0		975		5,40		0,7		S1					
Insul.cl.F		400		D 50		4,0		975		9,50		0,7		S1					
IP55		460		D 60		4,0		1175		8,30		0,69		S1					
		50Hz :		IE2 - 86,4(100%) - 86,3(75%) - 84(50%)															
		60Hz :		IE1 - 87,3(100%)															
Resistance				Insulation resistance at 28,4 °C				Overload											
Line				R > 2000 Mohm 1000 V				Current 150 % 120s											
U <sub>1</sub> - V <sub>1</sub>				Ambient: 18,1 °C				Torque 160 % 15s											
U <sub>1</sub> - W <sub>1</sub>				1,47300 Ω				Speed 120 % 120s											
V <sub>1</sub> - W <sub>1</sub>				1,46600 Ω															
				1,47300 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		6,0		0,32				1000		0,08			
Locked rotor test				75,7 D		50		9,2		0,48				0		0,40			
Thermal test ( 100% load )		39,2		400 D		50		9,3		4,62		4,00		974		0,71		86,50	
Partial load points:																			
~75% load		29,2		400 D		50		7,9		3,49		3,00		981		0,63		86,00	
~50% load		19,3		400 D		50		6,9		2,40		2,00		988		0,50		83,50	
~25% load		9,6		400 D		50		6,2		1,34		1,00		994		0,31		74,60	
Temperature rise at rated load.				[°C]		[K]		Method				Measurement method							
Stator winding :						36,8		3				1 Resistance							
Frame :						20,2		3				2 Thermometer							
Bearing D-end :						26,2		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				2.11.2011				Telephone +34 93 728 85 00				Telefax +34 93 728 85 33			
Tested by Asea Brown Boveri, S.A., Fabrica Motores , 08192 Sant Quirze del Valles , Spain																			

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