



Type Test Report				Date of issue: 2011.12.19															
Customer:				Serial No.: 3GE080513T5504															
Customer ref.:				Type: M3AA 132M 4 Product Code: 3GAA132442-_HE															
Rating:		V		Hz		kW		r/min		A		cos φ		Duty					
3~Motor		415		D 50		5,50		1465		10,70		0,8		S1					
Insul.cl.F																			
IP55																			
Eff class IE2																			
				50Hz :		IE2 - 88,8(100%) - 89,1(75%) - 87,9(50%)													
Resistance				Insulation resistance at 18 °C				Overload											
Line				R > 2000 Mohm 1000 V				Current 150 % 120s											
U <sub>1</sub> - V <sub>1</sub>				1,46600 Ω				Torque 160 % 15s											
U <sub>1</sub> - W <sub>1</sub>				1,46900 Ω				Speed 120 % 120s											
V <sub>1</sub> - W <sub>1</sub>				1,46800 Ω															
Ambient: 14,0 °C				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				415 D		50		4,8		0,24				1500		0,07			
Locked rotor test				91 D		50		11,8		0,74				0		0,40			
Thermal test ( 100% load )		35,8		415 D		50		10,7		6,19		5,50		1467		0,80		88,80	
Partial load points:																			
~75% load		26,7		415 D		50		8,7		4,63		4,13		1476		0,74		89,10	
~50% load		17,6		415 D		50		7,0		3,13		2,75		1488		0,62		87,90	
~25% load		8,8		415 D		50		5,1		1,65		1,38		1495		0,45		83,30	
Temperature rise at rated load.				[°C]		[K]		Method				Measurement method							
Stator winding :				46,8		3						1 Resistance							
Frame :				12		3						2 Thermometer							
Bearing D-end :				26		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				20.2.2008				Telephone +34 93 728 85 00							
Tested by Asea Brown Boveri, S.A., Fabrica Motores , 08192 Sant Quirze del Valles , Spain												Telefax +34 93 728 85 33							

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