



Type Test Report				Date of issue: 2012.02.06															
Customer:				Serial No.: 3GE120413P0338															
Customer ref.:				Type: M3AA 132 SB 2 Product Code: 3GAA131442-_HE															
Rating:		V		Hz		kW		r/min		A		cos φ		Duty					
3~Motor		415		D 50		5,50		2920		10,3		0,84		S1					
Insul.cl.F																			
IP55																			
Eff class IE2																			
		50Hz :		IE2 - 88(100%) - 87,8(75%) - 86(50%)															
Resistance				Insulation resistance at 25 °C				Overload											
Line				R > 2000 Mohm 1000 V				Current 150 % 120s											
U ₁ - V ₁				1,22800 Ω				Torque 160 % 15s											
U ₁ - W ₁				1,23100 Ω				Speed 120 % 120s											
V ₁ - W ₁				1,23300 Ω															
Ambient: 16,9 °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		3,7		0,33				3000		0,12			
Locked rotor test				64,3 D		50		10,2		0,49				0		0,43			
Thermal test (100% load)		18,0		415 D		50		10,3		6,25		5,50		2921		0,84		88,00	
Partial load points:																			
~75% load		13,4		415 D		50		8,2		4,70		4,13		2941		0,79		87,80	
~50% load		8,9		415 D		50		6,3		3,20		2,75		2961		0,70		86,00	
~25% load		4,4		415 D		50		4,8		1,75		1,38		2980		0,50		78,70	
Temperature rise at rated load.				[°C]		[K]		Method		Measurement method									
Stator winding :				40,2		3		1 Resistance											
Frame :				10,8		3		2 Thermometer											
Bearing D-end :				24,9		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				1.2.2012											
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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