



Type Test Report				Date of issue: 2011.12.19							
Customer:				Serial No.: 3GE111010T0001							
				Customer ref.:				Type: M3AA 100LB 8			Product Code: 3GAA104442-_HE
Rating:				V	Hz	kW	r/min	A	cos φ	Duty	
3~Motor Insul.cl.F IP55				415	D 50	0,75	715	2,20	0,61	S1	
Resistance				Ambient: 18,0 °C				Insulation resistance at 26 °C		Overload	
Line				R > 2000 Mohm				1000 V		Current 150 % 120s	
U ₁ - V ₁				13,82000 Ω						Torque 160 % 15s	
U ₁ - W ₁				13,76000 Ω						Speed 120 % 120s	
V ₁ - W ₁				13,81000 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		415 D	50	1,82	0,14		750	0,11			
Locked rotor test		109,2 D	50	2,3	0,25		0	0,57			
Thermal test (100% load)	10,0	415 D	50	2,2	0,97	0,75	715	0,61	77,70		
Partial load points:											
~75% load	7,4	415 D	50	1,97	0,74	0,56	724	0,52	76,40		
~50% load	4,9	415 D	50	1,76	0,52	0,38	732	0,41	72,10		
~25% load	2,4	415 D	50	1,64	0,32	0,19	740	0,27	59,50		
Temperature rise at rated load.				°C	K	Method		Measurement method			
Stator winding :				26,0	3			1 Resistance			
Frame :				19	3			2 Thermometer			
Bearing D-end :				21	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		29.3.2011						
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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