



Type Test Report					Date of issue: 2011.12.28						
Customer:					Serial No.: 3GE110813T9202						
					Type: M3AA 132SBB 2 HO					Product Code: 3GAA131004-_SE	
Customer ref.:											
Rating:					V	Hz	kW	r/min	A	cos φ	Duty
3~Motor					230	D 50	9,2	2885	28,50	0,91	S1
Insul.cl.F					400	Y 50	9,2	2885	16,50	0,91	S1
IP55					460	Y 60	9,2	3500	14,10	0,91	S1
Eff class IE1					50Hz : IE1 - 88,1(100%) - 90,2(75%) - 90,7(50%)						
					60Hz : IE1 - 89,4(100%)						
Resistance					Insulation resistance at 23,5 °C					Overload	
Line					R > 2000 Mohm 1000 V					Current 150 % 120s	
U ₁ - V ₁					Ambient: 16,8 °C					Torque 160 % 15s	
U ₁ - W ₁					0,91400 Ω					Speed 120 % 120s	
V ₁ - W ₁					0,91300 Ω						
					0,91200 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	4,4	0,36		3000	0,12			
Locked rotor test		73,1 Y	50	16,4	0,97		0	0,47			
Thermal test (100% load)	30,5	400 Y	50	16,6	10,50	9,20	2883	0,91	87,60		
Partial load points:											
~75% load	22,6	400 Y	50	12,6	7,78	6,90	2912	0,89	88,70		
~50% load	14,9	400 Y	50	9,0	5,19	4,60	2944	0,83	88,60		
~25% load	7,4	400 Y	50	5,9	2,72	2,30	2973	0,66	84,50		
Temperature rise at rated load.				°C	K	Method		Measurement method			
Stator winding :				72,4	3			1 Resistance			
Frame :				18,2	3			2 Thermometer			
Bearing D-end :				37,4	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			10.3.2011					
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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