



Type Test Report				Date of issue: 2013.12.20							
Customer:				Serial No.: 3GH072510T1108							
Customer ref.:				Type: M3GP 100LC 8 Product Code: 3GGP104443-_HB Protection type: Ex nA IIC T3 Gc Cert. No.: VTT 12 ATEX 050 X / IECEX VTT 12.0010 X							
Rating:				V	Hz	kW	r/min	A	cos φ	Duty	
3-Motor Insul.cl.F IP55				415	D 50	1,10	705	3,20	0,63	S1	
Resistance Line				Ambient: 28,0 °C				Insulation resistance at 26 °C		Overload	
U ₁ - V ₁				12,07000 Ω				R > 2000 Mohm 1000 V		Current 150 % 120s	
U ₁ - W ₁				12,07000 Ω						Torque 160 % 15s	
V ₁ - W ₁				12,09000 Ω						Speed 120 % 120s	
				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	2,5	0,21		750	0,12			
Locked rotor test		83 D	50	2,1	0,17		0	0,56			
Thermal test (100% load)	14,9	415 D	50	3,2	1,47	1,10	707	0,63	74,90		
Partial load points:											
~75% load	11,0	415 D	50	2,8	1,12	0,83	719	0,54	73,80		
~50% load	7,2	415 D	50	2,6	0,79	0,55	731	0,42	69,40		
~25% load	3,5	415 D	50	2,5	0,49	0,28	741	0,27	55,80		
Temperature rise at rated load.				[°C]	[K]	Method		Measurement method			
Stator winding :				51,7	3			1 Resistance			
Frame :				34	3			2 Thermometer			
Bearing D-end :				29	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				6.7.2007			
Tested by Asea Brown Boveri, S.A., Fabrica Motores , 08192 Sant Quirze del Valles , Spain							Telephone		+34 93 728 85 00		
							Telefax		+34 93 728 85 33		

Computer print-out valid without signature.