



Type Test Report				Date of issue: 2013.12.20							
Customer:				Serial No.: 3GH093210T2204							
Customer ref.:				Type: M3GP 100LC 4 Product Code: 3GGP102443-_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 Eff class IE2				415	D 50	2,20	1455	4,50	0,78	S1	
50Hz : IE2 - 85,6(100%) - 84,5(75%) - 83,9(50%)											
Resistance Line				Ambient: 20,0 °C				Insulation resistance at 28 °C		Overload	
U <sub>1</sub> - V <sub>1</sub>				3,77100 Ω				R > 2000 Mohm		1000 V	
U <sub>1</sub> - W <sub>1</sub>				3,76000 Ω						Current 150 % 120s	
V <sub>1</sub> - W <sub>1</sub>				3,77200 Ω						Torque 160 % 15s	
								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	2,6	0,19		1500	0,10		
Locked rotor test			61,6 D	50	4,6	0,28		0	0,57		
Thermal test ( 100% load )		14,4	415 D	50	4,5	2,57	2,20	1454	0,78	85,60	
Partial load points:											
~75% load		10,8	415 D	50	3,8	1,95	1,65	1465	0,71	84,50	
~50% load		7,1	415 D	50	3,1	1,34	1,10	1478	0,59	82,20	
~25% load		3,5	415 D	50	2,6	0,75	0,55	1489	0,40	73,60	
Temperature rise at rated load.				[°C]	[K]	Method		Measurement method			
Stator winding :					57,0	3		1 Resistance			
Frame :					13,1	3		2 Thermometer			
Bearing D-end :					25,7	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				26.8.2009			
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.