



Type Test Report				Date of issue: 2013.03.12																								
Customer:				Serial No.: 3GH093810T1506																								
Customer ref.:				Type: M3GP 100L 6 Product Code: 3GGP103322-_SB Protection Type: Ex nA IIC T3 Cert. No.: VTT 12 ATEX 050X / IECEX VTT 12.0010X																								
Rating:				<table border="1"> <thead> <tr> <th>V</th> <th>Hz</th> <th>kW</th> <th>r/min</th> <th>A</th> <th>cos φ</th> <th>Duty</th> </tr> </thead> <tbody> <tr> <td>230</td> <td>D</td> <td>50</td> <td>1,50</td> <td>950</td> <td>6,50</td> <td>0,69 S1</td> </tr> <tr> <td>400</td> <td>Y</td> <td>50</td> <td>1,50</td> <td>950</td> <td>3,80</td> <td>0,69 S1</td> </tr> </tbody> </table> <p>50Hz : IE2 - 82,2(100%) - 82,9(75%) - 81,6(50%)</p>				V	Hz	kW	r/min	A	cos φ	Duty	230	D	50	1,50	950	6,50	0,69 S1	400	Y	50	1,50	950	3,80	0,69 S1
V	Hz	kW	r/min	A	cos φ	Duty																						
230	D	50	1,50	950	6,50	0,69 S1																						
400	Y	50	1,50	950	3,80	0,69 S1																						
Resistance				Insulation resistance at 28,4 °C		Overload																						
Line Ambient: 21,7 °C				R > 2000 Mohm 1000 V		Current 150 % 120s Torque 160 % 15s Speed 120 % 120s																						
U ₁ - V ₁ 7,27000 Ω																												
U ₁ - W ₁ 7,27000 Ω																												
V ₁ - W ₁ 7,26000 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]	η[r/min]	cos φ	η [%]																			
No load test		400 Y	50	2,4	0,14		1000	0,08																				
Locked rotor test		120,3 Y	50	3,8	0,36		0	0,45																				
Thermal test (100% load)	15,1	400 Y	50	3,7	1,85	1,50	951	0,72	81,30																			
Partial load points:																												
~75% load	11,1	400 Y	50	3,0	1,37	1,13	964	0,65	82,10																			
~50% load	7,3	400 Y	50	2,5	0,93	0,75	977	0,52	80,70																			
~25% load	3,6	400 Y	50	2,1	0,51	0,38	988	0,34	73,00																			
Temperature rise at rated load.				°C	[K]	Method	Measurement method																					
Stator winding :				39,0	3		1 Resistance																					
Frame :				23,5	3		2 Thermometer																					
Bearing D-end :				26,3	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		8.10.2009																								
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