



Type Test Report				Date of issue: 2013.03.12																								
				Serial No.: 3GH072510T1108																								
Customer:				Type: M3GP 100LB 8 Product Code: 3GGP104102-_SB Protection Type: Ex nA IIC T3 Cert. No.: VTT 12 ATEX 050X / IECEX VTT 12.0010X																								
Customer ref.:																												
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>1,10</td> <td>695</td> <td>5,30</td> <td>0,66 S1</td> </tr> <tr> <td>400</td> <td>Y</td> <td>50</td> <td>1,10</td> <td>695</td> <td>3,10</td> <td>0,66 S1</td> </tr> </tbody> </table>						V	Hz	kW	r/min	A	cos φ	Duty	230	D	50	1,10	695	5,30	0,66 S1	400	Y	50	1,10	695	3,10	0,66 S1
V	Hz	kW	r/min	A	cos φ	Duty																						
230	D	50	1,10	695	5,30	0,66 S1																						
400	Y	50	1,10	695	3,10	0,66 S1																						
3~Motor																												
Insul.cl.F																												
IP55																												
Resistance				Insulation resistance at 27 °C		Overload																						
Line Ambient: 28,0 °C				R > 2000 Mohm 1000 V		Current 150 % 120s																						
U ₁ - V ₁ 12,07000 Ω						Torque 160 % 15s																						
U ₁ - W ₁ 12,07000 Ω						Speed 120 % 120s																						
V ₁ - W ₁ 12,09000 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	0,19		750	0,11																				
Locked rotor test		83 Y	50	2,1	0,17		0	0,56																				
Thermal test (100% load)	15,1	400 Y	50	3,1	1,47	1,10	696	0,68	74,80																			
Partial load points:																												
~75% load	11,1	400 Y	50	2,6	1,10	0,83	711	0,60	75,30																			
~50% load	7,2	400 Y	50	2,2	0,75	0,55	725	0,48	73,30																			
~25% load	3,6	400 Y	50	1,88	0,43	0,28	738	0,33	64,30																			
Temperature rise at rated load.				°C	K	Method	Measurement method																					
Stator winding :				61,6	3		1 Resistance																					
Frame :				39	3		2 Thermometer																					
Bearing D-end :				36	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																								
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