



Type Test Report				Date of issue: 2013.03.12																								
Customer:				Serial No.: 3GE121137T0001																								
Customer ref.:				Type: M3GP 071 MA 8 Product Code: 3GGP074101-DB 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>690</td> <td>Y 50</td> <td>0,09</td> <td>660</td> <td>0,25</td> <td>0,59</td> <td>S1</td> </tr> <tr> <td>400</td> <td>D 50</td> <td>0,09</td> <td>660</td> <td>0,44</td> <td>0,59</td> <td>S1</td> </tr> </tbody> </table>				V	Hz	kW	r/min	A	cos φ	Duty	690	Y 50	0,09	660	0,25	0,59	S1	400	D 50	0,09	660	0,44	0,59	S1
V	Hz	kW	r/min	A	cos φ	Duty																						
690	Y 50	0,09	660	0,25	0,59	S1																						
400	D 50	0,09	660	0,44	0,59	S1																						
3-Motor Insul.cl.F IP55																												
Resistance				Insulation resistance at 24 °C		Overload																						
Line Ambient: 21,0 °C				R > 2000 Mohm 1000 V		Current 150 % 120s Torque 160 % 15s Speed 120 % 120s																						
U <sub>1</sub> - V <sub>1</sub> 239,90000 Ω																												
U <sub>1</sub> - W <sub>1</sub> 240,10000 Ω																												
V <sub>1</sub> - W <sub>1</sub> 240,10000 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 D	50	0,44	0,07		750	0,23																				
Locked rotor test		192,6 D	50	0,46	0,13		0	0,85																				
Thermal test ( 100% load )	1,3	400 D	50	0,43	0,20	0,09	661	0,67	44,80																			
Partial load points:																												
~75% load	0,9	400 D	50	0,39	0,16	0,07	687	0,58	41,50																			
~50% load	0,6	400 D	50	0,37	0,13	0,05	709	0,50	34,20																			
~25% load	0,3	400 D	50	0,38	0,11	0,02	728	0,41	21,00																			
Temperature rise at rated load.				°C	K	Method		Measurement method																				
Stator winding :				42,1	3			1 Resistance																				
Frame :				53,1	3			2 Thermometer																				
Bearing D-end :				29,6	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 18.4.2012																								
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