



Type Test Report				Date of issue: 2013.03.12																											
Customer:				Serial No.: 3GE121130T0002																											
Customer ref.:				Type: M3GP 100 LA 8 Product Code: 3GGP104101-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>0,75</td> <td>710</td> <td>1,32</td> <td>0,61</td> <td>S1</td> </tr> <tr> <td>400</td> <td>D 50</td> <td>0,75</td> <td>710</td> <td>2,30</td> <td>0,61</td> <td>S1</td> </tr> </tbody> </table>							V	Hz	kW	r/min	A	cos φ	Duty	690	Y 50	0,75	710	1,32	0,61	S1	400	D 50	0,75	710	2,30	0,61	S1
V	Hz	kW	r/min	A	cos φ	Duty																									
690	Y 50	0,75	710	1,32	0,61	S1																									
400	D 50	0,75	710	2,30	0,61	S1																									
Resistance				Insulation resistance at 25 °C			Overload																								
Line Ambient: 19,2 °C				R > 2000 Mohm 1000 V			Current 150 % 120s Torque 160 % 15s Speed 120 % 120s																								
U ₁ - V ₁ 16,37000 Ω																															
U ₁ - W ₁ 16,36000 Ω																															
V ₁ - W ₁ 16,38000 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 D	50	2,0	0,17		750	0,12																							
Locked rotor test		116,8 D	50	2,3	0,28		0	0,60																							
Thermal test (100% load)	10,1	400 D	50	2,4	1,03	0,75	711	0,60	72,80																						
Partial load points:																															
~75% load	7,4	400 D	50	2,2	0,79	0,56	722	0,51	71,10																						
~50% load	4,9	400 D	50	2,1	0,57	0,38	732	0,39	65,60																						
~25% load	2,4	400 D	50	2,0	0,37	0,19	741	0,26	50,90																						
Temperature rise at rated load.				[°C] [K] Method			Measurement method																								
Stator winding :				45,2 3			1 Resistance																								
Frame :				24,3 3			2 Thermometer																								
Bearing D-end :				23,8 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 23.4.2012																											
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																								

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