



Type Test Report				Date of issue: 2013.03.12																								
Customer:				Serial No.: 3GH074308T5504																								
Customer ref.:				Type: M3GP 80MA 4 Product Code: 3GGP082321-_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</td> <td>50</td> <td>0,55</td> <td>1415</td> <td>0,83</td> <td>0,73 S1</td> </tr> <tr> <td>400</td> <td>D</td> <td>50</td> <td>0,55</td> <td>1415</td> <td>1,45</td> <td>0,73 S1</td> </tr> </tbody> </table>				V	Hz	kW	r/min	A	cos φ	Duty	690	Y	50	0,55	1415	0,83	0,73 S1	400	D	50	0,55	1415	1,45	0,73 S1
V	Hz	kW	r/min	A	cos φ	Duty																						
690	Y	50	0,55	1415	0,83	0,73 S1																						
400	D	50	0,55	1415	1,45	0,73 S1																						
Resistance				Insulation resistance at 18 °C		Overload																						
Line Ambient: 17,0 °C				R > 2000 Mohm 1000 V		Current 150 % 120s Torque 160 % 15s Speed 120 % 120s																						
U ₁ - V ₁ 28,28000 Ω																												
U ₁ - W ₁ 28,20000 Ω																												
V ₁ - W ₁ 28,23000 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	1,15	0,11		1500	0,14																				
Locked rotor test		81 D	50	1,30	0,14		0	0,77																				
Thermal test (100% load)	3,7	400 D	50	1,44	0,75	0,55	1412	0,75	73,20																			
Partial load points:																												
~75% load	2,7	400 D	50	1,26	0,57	0,41	1437	0,65	72,50																			
~50% load	1,8	400 D	50	1,11	0,40	0,28	1458	0,52	68,50																			
~25% load	0,9	400 D	50	1,03	0,25	0,14	1478	0,35	55,40																			
Temperature rise at rated load.				°C	K	Method		Measurement method																				
Stator winding :				40,6	3			1 Resistance																				
Frame :				17,0	3			2 Thermometer																				
Bearing D-end :				23,0	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		1.2.2008																						
Tested by Asea Brown Boveri, S.A., Fabrica Motores , 08192 Sant Quirze del Valles , Spain						Telephone		+34 93 728 85 00																				
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