



Type Test Report				Date of issue: 2013.03.12																								
Customer:				Serial No.: 3GE120838T0001																								
Customer ref.:				Type: M3GP 80 MA 6 Product Code: 3GGP083321-_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>0,37</td> <td>915</td> <td>0,62</td> <td>0,69</td> <td>S1</td> </tr> <tr> <td>400</td> <td>D 50</td> <td>0,37</td> <td>915</td> <td>1,09</td> <td>0,69</td> <td>S1</td> </tr> </tbody> </table>				V	Hz	kW	r/min	A	cos φ	Duty	690	Y 50	0,37	915	0,62	0,69	S1	400	D 50	0,37	915	1,09	0,69	S1
V	Hz	kW	r/min	A	cos φ	Duty																						
690	Y 50	0,37	915	0,62	0,69	S1																						
400	D 50	0,37	915	1,09	0,69	S1																						
Resistance				Insulation resistance at 22,5 °C																								
Line Ambient: 15,4 °C				R > 2000 Mohm 1000 V																								
U <sub>1</sub> - V <sub>1</sub> 43,07000 Ω				Overload																								
U <sub>1</sub> - W <sub>1</sub> 43,05000 Ω				Current 150 % 120s																								
V <sub>1</sub> - W <sub>1</sub> 43,10000 Ω				Torque 160 % 15s																								
				Speed 120 % 120s																								
				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	0,86	0,05		1000	0,08																				
Locked rotor test		106,4 D	50	1,10	0,16		0	0,79																				
Thermal test ( 100% load )	3,8	400 D	50	1,10	0,55	0,37	923	0,72	67,10																			
Partial load points:																												
~75% load	2,8	400 D	50	0,97	0,42	0,28	947	0,62	66,00																			
~50% load	1,8	400 D	50	0,91	0,31	0,19	965	0,49	60,30																			
~25% load	0,9	400 D	50	0,91	0,21	0,09	982	0,33	44,10																			
Temperature rise at rated load.				[°C] [K] Method			Measurement method																					
Stator winding :				38,9 3			1 Resistance																					
Frame :				23,4 3			2 Thermometer																					
Bearing D-end :				25 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		8.3.2012																								
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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