



Type Test Report				Date of issue: 2013.03.12																								
Customer:				Serial No.: 3GH072308T5506																								
Customer ref.:				Type: M3GP 80MB 6 Product Code: 3GGP083322-_SB 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>230</td> <td>D</td> <td>50</td> <td>920</td> <td>2,60</td> <td>0,71</td> <td>S1</td> </tr> <tr> <td>400</td> <td>Y</td> <td>50</td> <td>920</td> <td>1,51</td> <td>0,71</td> <td>S1</td> </tr> </tbody> </table>				V	Hz	kW	r/min	A	cos φ	Duty	230	D	50	920	2,60	0,71	S1	400	Y	50	920	1,51	0,71	S1
V	Hz	kW	r/min	A	cos φ	Duty																						
230	D	50	920	2,60	0,71	S1																						
400	Y	50	920	1,51	0,71	S1																						
Resistance				Insulation resistance at 30 °C		Overload																						
Line Ambient: 30,0 °C				R > 2000 Mohm 1000 V		Current 150 % 120s Torque 160 % 15s Speed 120 % 120s																						
U ₁ - V ₁ 27,28000 Ω																												
U ₁ - W ₁ 27,30000 Ω																												
V ₁ - W ₁ 27,20000 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	1,06	0,09		1000	0,12																				
Locked rotor test		128,1 Y	50	1,60	0,23		0	0,65																				
Thermal test (100% load)	5,7	400 Y	50	1,50	0,76	0,55	918	0,73	72,60																			
Partial load points:																												
~75% load	4,2	400 Y	50	1,24	0,56	0,41	942	0,65	73,70																			
~50% load	2,7	400 Y	50	1,08	0,39	0,28	964	0,52	71,40																			
~25% load	1,3	400 Y	50	0,94	0,23	0,14	982	0,35	61,00																			
Temperature rise at rated load.				°C	[K]	Method	Measurement method																					
Stator winding :				44,5	3		1 Resistance																					
Frame :				24,0	3		2 Thermometer																					
Bearing D-end :				25,0	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		20.6.2007																								
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																				

Computer print-out valid without signature.