



Type Test Report				Date of issue: 2013.03.12																								
Customer:				Serial No.: 3GH072408T2508																								
Customer ref.:				Type: M3GP 80MB 8 Product Code: 3GGP084102-_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>0,25</td> <td>685</td> <td>1,47</td> <td>0,63 S1</td> </tr> <tr> <td>400</td> <td>Y</td> <td>50</td> <td>0,25</td> <td>685</td> <td>0,85</td> <td>0,63 S1</td> </tr> </tbody> </table>				V	Hz	kW	r/min	A	cos φ	Duty	230	D	50	0,25	685	1,47	0,63 S1	400	Y	50	0,25	685	0,85	0,63 S1
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230	D	50	0,25	685	1,47	0,63 S1																						
400	Y	50	0,25	685	0,85	0,63 S1																						
Resistance				Insulation resistance at 27 °C																								
Line Ambient: 30,0 °C				R > 2000 Mohm 1000 V																								
U ₁ - V ₁ 63,68000 Ω				Overload																								
U ₁ - W ₁ 63,41000 Ω				Current 150 % 120s																								
V ₁ - W ₁ 63,89000 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 Y	50	0,69	0,07		750	0,15																				
Locked rotor test		156,1 Y	50	0,90	0,15		0	0,62																				
Thermal test (100% load)	3,5	400 Y	50	0,84	0,38	0,25	683	0,65	65,40																			
Partial load points:																												
~75% load	2,6	400 Y	50	0,73	0,29	0,19	702	0,57	65,50																			
~50% load	1,7	400 Y	50	0,64	0,20	0,13	719	0,45	61,60																			
~25% load	0,8	400 Y	50	0,60	0,13	0,06	736	0,31	48,50																			
Temperature rise at rated load.				°C	K	Method		Measurement method																				
Stator winding :				33,6	3	1 Resistance		2 Thermometer																				
Frame :				19,0	3	2 Thermometer		3 Thermocouples																				
Bearing D-end :				21,0	3																							
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 27.6.2007																												
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																				

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