



Type Test Report				Date of issue: 2013.03.12																								
Customer:				Serial No.: 3GH072109T3708																								
Customer ref.:				Type: M3GP 90SLB 8 Product Code: 3GGP094102-_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>0,37</td> <td>705</td> <td>2,50</td> <td>0,54 S1</td> </tr> <tr> <td>400</td> <td>Y</td> <td>50</td> <td>0,37</td> <td>705</td> <td>1,49</td> <td>0,54 S1</td> </tr> </tbody> </table>				V	Hz	kW	r/min	A	cos φ	Duty	230	D	50	0,37	705	2,50	0,54 S1	400	Y	50	0,37	705	1,49	0,54 S1
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230	D	50	0,37	705	2,50	0,54 S1																						
400	Y	50	0,37	705	1,49	0,54 S1																						
Resistance				Insulation resistance at 26 °C																								
Line Ambient: 26,0 °C				R > 2000 Mohm 1000 V																								
U ₁ - V ₁ 38,22000 Ω				Overload																								
U ₁ - W ₁ 38,44000 Ω				Current 150 % 120s																								
V ₁ - W ₁ 38,18000 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		1,22		0,13				750		0,15										
Locked rotor test						166,5 Y		50		1,50		0,25				0		0,58										
Thermal test (100% load)				5,0		400 Y		50		1,46		0,57		0,37		704		0,56		64,60								
Partial load points:																												
~75% load				3,7		400 Y		50		1,38		0,45		0,28		718		0,47		62,20								
~50% load				2,4		400 Y		50		1,32		0,34		0,19		731		0,37		54,90								
~25% load				1,2		400 Y		50		1,44		0,25		0,09		742		0,25		36,40								
Temperature rise at rated load.				[°C]		[K]		Method		Measurement method																		
Stator winding :				40,6		3		1 Resistance																				
Frame :				27,0		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 23.5.2007																												
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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