



Type Test Report				Date of issue: 2013.03.12																								
Customer:				Serial No.: 3GH072109T3708																								
Customer ref.:				Type: M3GP 90SLB 8 Product Code: 3GGP094102-_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>705</td> <td>0,86</td> <td>0,54</td> <td>S1</td> </tr> <tr> <td>400</td> <td>D 50</td> <td>0,37</td> <td>705</td> <td>1,49</td> <td>0,54</td> <td>S1</td> </tr> </tbody> </table>				V	Hz	kW	r/min	A	cos φ	Duty	690	Y 50	0,37	705	0,86	0,54	S1	400	D 50	0,37	705	1,49	0,54	S1
V	Hz	kW	r/min	A	cos φ	Duty																						
690	Y 50	0,37	705	0,86	0,54	S1																						
400	D 50	0,37	705	1,49	0,54	S1																						
Resistance				Insulation resistance at 26 °C		Overload																						
Line Ambient: 26,0 °C				R > 2000 Mohm 1000 V		Current 150 % 120s Torque 160 % 15s Speed 120 % 120s																						
U <sub>1</sub> - V <sub>1</sub> 38,22000 Ω																												
U <sub>1</sub> - W <sub>1</sub> 38,44000 Ω																												
V <sub>1</sub> - W <sub>1</sub> 38,18000 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	1,22	0,13		750	0,15																				
Locked rotor test		166,5 D	50	1,50	0,25		0	0,58																				
Thermal test ( 100% load )	5,0	400 D	50	1,46	0,57	0,37	704	0,56	64,60																			
Partial load points:																												
~75% load	3,7	400 D	50	1,38	0,45	0,28	718	0,47	62,20																			
~50% load	2,4	400 D	50	1,32	0,34	0,19	731	0,37	54,90																			
~25% load	1,2	400 D	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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