



Type Test Report				Date of issue: 2013.03.12																								
				Serial No.: 3GH091909T2202																								
Customer:				Type: M3GP 90SLC 2 Product Code: 3GGP091323-_SB Protection Type: Ex nA IIC T3 Cert. No.: VTT 12 ATEX 050X / IECEX VTT 12.0010X																								
Customer ref.:																												
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>2,20</td> <td>2885</td> <td>7,40</td> <td>0,87 S1</td> </tr> <tr> <td>400</td> <td>Y</td> <td>50</td> <td>2,20</td> <td>2885</td> <td>4,30</td> <td>0,87 S1</td> </tr> </tbody> </table>						V	Hz	kW	r/min	A	cos φ	Duty	230	D	50	2,20	2885	7,40	0,87 S1	400	Y	50	2,20	2885	4,30	0,87 S1
V	Hz	kW	r/min	A	cos φ	Duty																						
230	D	50	2,20	2885	7,40	0,87 S1																						
400	Y	50	2,20	2885	4,30	0,87 S1																						
3~Motor																												
Insul.cl.F																												
IP55																												
Eff class IE2		50Hz : IE2 - 84,7(100%) - 86,7(75%) - 85,7(50%)																										
Resistance				Insulation resistance at 29,8 °C		Overload																						
Line		Ambient: 26,2 °C		R > 2000 Mohm 1000 V		Current 150 % 120s																						
U ₁ - V ₁		4,96200 Ω				Torque 160 % 15s																						
U ₁ - W ₁		4,95800 Ω				Speed 120 % 120s																						
V ₁ - W ₁		4,97600 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	1,41	0,12		3000	0,12																				
Locked rotor test		91,7 Y	50	4,7	0,36		0	0,48																				
Thermal test (100% load)	7,3	400 Y	50	4,2	2,62	2,20	2882	0,90	83,90																			
Partial load points:																												
~75% load	5,3	400 Y	50	3,2	1,92	1,65	2946	0,86	86,10																			
~50% load	3,6	400 Y	50	2,3	1,29	1,10	2946	0,79	85,00																			
~25% load	1,8	400 Y	50	1,63	0,69	0,55	2972	0,61	79,60																			
Temperature rise at rated load.				°C	K	Method	Measurement method																					
Stator winding :				53,8	3		1 Resistance																					
Frame :				18,3	3		2 Thermometer																					
Bearing D-end :				23,5	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 25.5.2009																												
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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