



Type Test Report				Date of issue: 2013.03.12																								
Customer:				Serial No.: 3GH103709T1504																								
Customer ref.:				Type: M3GP 90SLD 4 Product Code: 3GGP092325-_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>1,5</td> <td>1430</td> <td>5,10</td> <td>0,83 S1</td> </tr> <tr> <td>400</td> <td>Y</td> <td>50</td> <td>1,5</td> <td>1430</td> <td>3,00</td> <td>0,83 S1</td> </tr> </tbody> </table>				V	Hz	kW	r/min	A	cos φ	Duty	230	D	50	1,5	1430	5,10	0,83 S1	400	Y	50	1,5	1430	3,00	0,83 S1
V	Hz	kW	r/min	A	cos φ	Duty																						
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3-Motor Insul.cl.F IP55 Eff class IE2				50Hz : IE2 - 84,3(100%) - 85,6(75%) - 84,7(50%)																								
Resistance Line U ₁ - V ₁ U ₁ - W ₁ V ₁ - W ₁				Ambient: 19,9 °C 7,65000 Ω 7,67000 Ω 7,66000 Ω		Insulation resistance at 23,9 °C R > 2000 Mohm 1000 V		Overload Current 150 % 120s 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	1,53	0,11		1500	0,10																				
Locked rotor test		76,4 Y	50	3,3	0,28		0	0,65																				
Thermal test (100% load)	10,0	400 Y	50	3,0	1,79	1,50	1432	0,84	83,70																			
Partial load points:																												
~75% load	7,4	400 Y	50	2,5	1,34	1,13	1451	0,77	84,50																			
~50% load	4,9	400 Y	50	1,99	0,90	0,75	1469	0,65	83,20																			
~25% load	2,4	400 Y	50	1,68	0,49	0,38	1487	0,42	77,00																			
Temperature rise at rated load.				[°C] [K]		Method		Measurement method																				
Stator winding :				33,0		3		1 Resistance																				
Frame :				15,7		3		2 Thermometer																				
Bearing D-end :				18,9		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 28.9.2010																								
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