



Type Test Report				Date of issue: 2013.03.12																								
Customer:				Serial No.: 3GH092013T7504																								
Customer ref.:				Type: M3GP 132SMC 4 Product Code: 3GGP132323-_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>7,50</td> <td>1450</td> <td>25,80</td> <td>0,81 S1</td> </tr> <tr> <td>400</td> <td>Y</td> <td>50</td> <td>7,50</td> <td>1450</td> <td>14,90</td> <td>0,81 S1</td> </tr> </tbody> </table>				V	Hz	kW	r/min	A	cos φ	Duty	230	D	50	7,50	1450	25,80	0,81 S1	400	Y	50	7,50	1450	14,90	0,81 S1
V	Hz	kW	r/min	A	cos φ	Duty																						
230	D	50	7,50	1450	25,80	0,81 S1																						
400	Y	50	7,50	1450	14,90	0,81 S1																						
3-Motor Insul.cl.F IP55 Eff class IE2				50Hz : IE2 - 89,3(100%) - 90,1(75%) - 90,0(50%)																								
Resistance Line U <sub>1</sub> - V <sub>1</sub> U <sub>1</sub> - W <sub>1</sub> V <sub>1</sub> - W <sub>1</sub>				Ambient: 22,8 °C 0,94100 Ω 0,94000 Ω 0,94300 Ω		Insulation resistance at 28,1 °C R > 2000 Mohm 1000 V																						
				High-voltage test winding 2400 V		Overload Current 150 % 120s Torque 160 % 15s Speed 120 % 120s 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	6,0	0,29		1500	0,07																				
Locked rotor test		103,2 Y	50	15,7	0,99		0	0,35																				
Thermal test ( 100% load )	49,4	400 Y	50	14,5	8,45	7,50	1450	0,84	88,80																			
Partial load points:																												
~75% load	36,7	400 Y	50	11,3	6,28	5,63	1463	0,80	89,60																			
~50% load	24,3	400 Y	50	8,3	4,19	3,75	1475	0,72	89,50																			
~25% load	12,1	400 Y	50	5,6	2,17	1,88	1486	0,55	86,50																			
Temperature rise at rated load.				[°C] [K]		Method		Measurement method																				
Stator winding :				60,5		3		1 Resistance																				
Frame :				25,9		3		2 Thermometer																				
Bearing D-end :				36,8		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 1.6.2009																								
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