



Type Test Report				Date of issue: 2013.03.12																								
Customer:				Serial No.: 3GH093913T5506																								
Customer ref.:				Type: M3GP 132SMF 6 Product Code: 3GGP133324-_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>5,50</td> <td>965</td> <td>7,40</td> <td>0,71</td> <td>S1</td> </tr> <tr> <td>400</td> <td>D 50</td> <td>5,50</td> <td>965</td> <td>12,90</td> <td>0,71</td> <td>S1</td> </tr> </tbody> </table> <p>50Hz : IE2 - 86,1(100%) - 86,6(75%) - 85,5(50%)</p>				V	Hz	kW	r/min	A	cos φ	Duty	690	Y 50	5,50	965	7,40	0,71	S1	400	D 50	5,50	965	12,90	0,71	S1
V	Hz	kW	r/min	A	cos φ	Duty																						
690	Y 50	5,50	965	7,40	0,71	S1																						
400	D 50	5,50	965	12,90	0,71	S1																						
Resistance				Insulation resistance at 24,3 °C																								
Line Ambient: 18,4 °C				R > 2000 Mohm 1000 V																								
U <sub>1</sub> - V <sub>1</sub> 1,25800 Ω				Overload																								
U <sub>1</sub> - W <sub>1</sub> 1,29800 Ω				Current 150 % 120s																								
V <sub>1</sub> - W <sub>1</sub> 1,26200 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 D	50	7,5	0,38		1000	0,07																				
Locked rotor test		91,9 D	50	12,5	0,89		0	0,45																				
Thermal test ( 100% load )	54,4	400 D	50	12,6	6,47	5,50	965	0,74	85,00																			
Partial load points:																												
~75% load	40,4	400 D	50	10,3	4,82	4,13	975	0,67	85,50																			
~50% load	26,7	400 D	50	8,5	3,26	2,75	984	0,55	84,30																			
~25% load	13,2	400 D	50	7,3	1,78	1,38	991	0,35	77,30																			
Temperature rise at rated load.				°C [K] Method			Measurement method																					
Stator winding :				46,0 3			1 Resistance																					
Frame :				24,9 3			2 Thermometer																					
Bearing D-end :				35,3 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 15.10.2009																								
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