



Type Test Report				Date of issue: 2013.03.12																								
Customer:				Serial No.: 3GH092213T5502																								
Customer ref.:				Type: M3GP 132SMB 2 Product Code: 3GGP131322-_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>2865</td> <td>6,00</td> <td>0,86</td> <td>S1</td> </tr> <tr> <td>400</td> <td>D 50</td> <td>5,50</td> <td>2865</td> <td>10,40</td> <td>0,86</td> <td>S1</td> </tr> </tbody> </table>				V	Hz	kW	r/min	A	cos φ	Duty	690	Y 50	5,50	2865	6,00	0,86	S1	400	D 50	5,50	2865	10,40	0,86	S1
V	Hz	kW	r/min	A	cos φ	Duty																						
690	Y 50	5,50	2865	6,00	0,86	S1																						
400	D 50	5,50	2865	10,40	0,86	S1																						
3-Motor Insul.cl.F IP55 Eff class IE2				50Hz : IE2 - 88,0(100%) - 88,6(75%) - 88,0(50%)																								
Resistance				Insulation resistance at 31,3 °C		Overload																						
Line Ambient: 27,9 °C				R > 2000 Mohm 1000 V		Current 150 % 120s Torque 160 % 15s Speed 120 % 120s																						
U <sub>1</sub> - V <sub>1</sub> 1,30200 Ω																												
U <sub>1</sub> - W <sub>1</sub> 1,30100 Ω																												
V <sub>1</sub> - W <sub>1</sub> 1,30200 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	3,0	0,30		3000	0,15																				
Locked rotor test		80,9 D	50	10,5	0,66		0	0,45																				
Thermal test ( 100% load )	18,4	400 D	50	10,0	6,34	5,50	2860	0,91	86,80																			
Partial load points:																												
~75% load	13,6	400 D	50	7,6	4,72	4,13	2896	0,89	87,50																			
~50% load	9,0	400 D	50	5,4	3,17	2,75	2933	0,84	86,80																			
~25% load	4,4	400 D	50	3,4	1,68	1,38	2965	0,70	82,10																			
Temperature rise at rated load.				[°C] [K]		Method		Measurement method																				
Stator winding :				48,4		3		1 Resistance																				
Frame :				6,8		3		2 Thermometer																				
Bearing D-end :				34,1		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 16.6.2009																								
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