



Type Test Report				Date of issue: 2013.03.12																								
Customer:				Serial No.: 3GH093813T4006																								
Customer ref.:				Type: M3GP 132SMC 6 Product Code: 3GGP133322-_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>4,00</td> <td>960</td> <td>5,70</td> <td>0,68</td> <td>S1</td> </tr> <tr> <td>400</td> <td>D 50</td> <td>4,00</td> <td>960</td> <td>10,00</td> <td>0,68</td> <td>S1</td> </tr> </tbody> </table>				V	Hz	kW	r/min	A	cos φ	Duty	690	Y 50	4,00	960	5,70	0,68	S1	400	D 50	4,00	960	10,00	0,68	S1
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3-Motor Insul.cl.F IP55				50Hz : IE2 - 84,9(100%) - 85,3(75%) - 83,9(50%)																								
Resistance Line				Ambient: 22,3 °C		Insulation resistance at 27 °C R > 2000 Mohm 1000 V		Overload Current 150 % 120s Torque 160 % 15s Speed 120 % 120s																				
U ₁ - V ₁ U ₁ - W ₁ V ₁ - W ₁				1,98300 Ω 1,98400 Ω 1,98500 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	5,8	0,29		1000	0,07																				
Locked rotor test		95,5 D	50	7,2	0,41		0	0,34																				
Thermal test (100% load)	39,7	400 D	50	9,6	4,76	4,00	962	0,71	84,10																			
Partial load points:																												
~75% load	29,5	400 D	50	8,0	3,55	3,00	972	0,64	84,60																			
~50% load	19,4	400 D	50	6,6	2,41	2,00	982	0,52	83,10																			
~25% load	9,6	400 D	50	5,8	1,33	1,00	991	0,33	75,20																			
Temperature rise at rated load.				[°C] [K]		Method		Measurement method																				
Stator winding :				54,3		3		1 Resistance																				
Frame :				23,3		3		2 Thermometer																				
Bearing D-end :				34,3		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 8.10.2009																								
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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