



Type Test Report				Date of issue: 2013.03.12																						
Customer:				Serial No.: 3GH091913T7502																						
Customer ref.:				Type: M3GP 132SMC 2 Product Code: 3GGP131324-_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</td> <td>50</td> <td>7,50</td> <td>2890</td> <td>8,30</td> <td>0,84 S1</td> </tr> <tr> <td>400</td> <td>D</td> <td>50</td> <td>7,50</td> <td>2890</td> <td>14,50</td> <td>0,84 S1</td> </tr> </tbody> </table>		V	Hz	kW	r/min	A	cos φ	Duty	690	Y	50	7,50	2890	8,30	0,84 S1	400	D	50	7,50	2890	14,50	0,84 S1
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3-Motor Insul.cl.F IP55 Eff class IE2				50Hz : IE2 - 88,6(100%) - 88,8(75%) - 87,5(50%)																						
Resistance		Line		Insulation resistance at 27,8 °C R > 2000 Mohm 1000 V		Overload Current 150 % 120s Torque 160 % 15s Speed 120 % 120s																				
		Ambient: 26,8 °C		High-voltage test winding 2400 V 60 s																						
		U ₁ - V ₁ 0,93600 Ω																								
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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	4,2	0,43		3000	0,15																		
Locked rotor test		74,3 D	50	14,9	0,76		0	0,40																		
Thermal test (100% load)	24,9	400 D	50	13,7	8,59	7,50	2881	0,90	87,30																	
Partial load points:																										
~75% load	18,5	400 D	50	10,6	6,43	5,63	2909	0,87	87,60																	
~50% load	12,2	400 D	50	7,7	4,33	3,75	2938	0,81	86,60																	
~25% load	6,1	400 D	50	4,9	2,30	1,88	2964	0,67	81,90																	
Temperature rise at rated load.		[°C]		[K]	Method		Measurement method																			
		Stator winding :		59,4	3		1 Resistance																			
		Frame :		18,6	3		2 Thermometer																			
		Bearing D-end :		45,6	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		25.5.2009																						
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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