



Type Test Report				Date of issue: 2013.03.12																								
Customer:				Serial No.: 3GE121133T0001																								
Customer ref.:				Type: M3GP 132 SMB 8 Product Code: 3GGP134102-_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>3,00</td> <td>715</td> <td>4,80</td> <td>0,64</td> <td>S1</td> </tr> <tr> <td>400</td> <td>D 50</td> <td>3,00</td> <td>715</td> <td>8,40</td> <td>0,64</td> <td>S1</td> </tr> </tbody> </table>				V	Hz	kW	r/min	A	cos φ	Duty	690	Y 50	3,00	715	4,80	0,64	S1	400	D 50	3,00	715	8,40	0,64	S1
V	Hz	kW	r/min	A	cos φ	Duty																						
690	Y 50	3,00	715	4,80	0,64	S1																						
400	D 50	3,00	715	8,40	0,64	S1																						
Resistance				Insulation resistance at 25 °C																								
Line Ambient: 19,5 °C				R > 2000 Mohm 1000 V																								
U ₁ - V ₁ 2,57600 Ω				Overload																								
U ₁ - W ₁ 2,57700 Ω				Current 150 % 120s																								
V ₁ - W ₁ 2,57700 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	5,9	0,34		750	0,08																				
Locked rotor test		109 D	50	8,3	0,68		0	0,43																				
Thermal test (100% load)	39,7	400 D	50	8,4	3,71	3,00	722	0,63	80,90																			
Partial load points:																												
~75% load	29,4	400 D	50	7,4	2,79	2,25	730	0,54	80,70																			
~50% load	19,4	400 D	50	6,6	1,93	1,50	737	0,42	77,80																			
~25% load	9,6	400 D	50	6,1	1,11	0,75	743	0,26	67,30																			
Temperature rise at rated load.				°C	[K]	Method	Measurement method																					
Stator winding :				54,0	3	1 Resistance																						
Frame :				17,9	3	2 Thermometer																						
Bearing D-end :				30,2	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		13.4.2012																								
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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