



Type Test Report				Date of issue: 2013.03.12																								
Customer:				Serial No.: 3GH093913T5506																								
Customer ref.:				Type: M3GP 132SMF 6 Product Code: 3GGP133324-_SB 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>230</td> <td>D</td> <td>50</td> <td>5,50</td> <td>965</td> <td>22,30</td> <td>0,71 S1</td> </tr> <tr> <td>400</td> <td>Y</td> <td>50</td> <td>5,50</td> <td>965</td> <td>12,90</td> <td>0,71 S1</td> </tr> </tbody> </table>				V	Hz	kW	r/min	A	cos φ	Duty	230	D	50	5,50	965	22,30	0,71 S1	400	Y	50	5,50	965	12,90	0,71 S1
V	Hz	kW	r/min	A	cos φ	Duty																						
230	D	50	5,50	965	22,30	0,71 S1																						
400	Y	50	5,50	965	12,90	0,71 S1																						
3-Motor Insul.cl.F IP55				50Hz : IE2 - 86,1(100%) - 86,6(75%) - 85,5(50%)																								
Resistance Line				Ambient: 18,4 °C		Insulation resistance at 24,3 °C		Overload																				
U ₁ - V ₁				1,25800 Ω		R > 2000 Mohm		Current 150 % 120s																				
U ₁ - W ₁				1,29800 Ω		1000 V		Torque 160 % 15s																				
V ₁ - W ₁				1,26200 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 Y		50		7,5		0,38				1000		0,07										
Locked rotor test						91,9 Y		50		12,5		0,89				0		0,45										
Thermal test (100% load)				54,4		400 Y		50		12,6		6,47		5,50		965		0,74		85,00								
Partial load points:																												
~75% load				40,4		400 Y		50		10,3		4,82		4,13		975		0,67		85,50								
~50% load				26,7		400 Y		50		8,5		3,26		2,75		984		0,55		84,30								
~25% load				13,2		400 Y		50		7,3		1,78		1,38		991		0,35		77,30								
Temperature rise at rated load.				[°C]		[K]		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																				
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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