



Type Test Report				Date of issue: 2013.03.12																								
Customer:				Serial No.: 3GH093809T1106																								
Customer ref.:				Type: M3GP 90SLE 6 Product Code: 3GGP093324-_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>1,10</td> <td>930</td> <td>5,10</td> <td>0,66 S1</td> </tr> <tr> <td>400</td> <td>Y</td> <td>50</td> <td>1,10</td> <td>930</td> <td>3,00</td> <td>0,66 S1</td> </tr> </tbody> </table> <p>50Hz : IE2 - 78,2(100%) - 78,6(75%) - 76,4(50%)</p>				V	Hz	kW	r/min	A	cos φ	Duty	230	D	50	1,10	930	5,10	0,66 S1	400	Y	50	1,10	930	3,00	0,66 S1
V	Hz	kW	r/min	A	cos φ	Duty																						
230	D	50	1,10	930	5,10	0,66 S1																						
400	Y	50	1,10	930	3,00	0,66 S1																						
Resistance				Insulation resistance at 25,9 °C																								
Line Ambient: 23,6 °C				R > 2000 Mohm 1000 V																								
U ₁ - V ₁ 11,27000 Ω				Overload																								
U ₁ - W ₁ 11,28000 Ω				Current 150 % 120s																								
V ₁ - W ₁ 11,27000 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 Y	50	2,1	0,15		1000	0,10																				
Locked rotor test		107,5 Y	50	2,7	0,28		0	0,56																				
Thermal test (100% load)	11,3	400 Y	50	2,9	1,45	1,10	929	0,70	75,90																			
Partial load points:																												
~75% load	8,3	400 Y	50	2,5	1,08	0,83	949	0,62	76,50																			
~50% load	5,4	400 Y	50	2,1	0,74	0,55	967	0,49	74,10																			
~25% load	2,7	400 Y	50	1,93	0,43	0,28	984	0,32	63,30																			
Temperature rise at rated load.				°C	[K]	Method	Measurement method																					
Stator winding :				50,5	3		1 Resistance																					
Frame :				29,3	3		2 Thermometer																					
Bearing D-end :				30,1	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		6.10.2009																								
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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