



Type Test Report				Date of issue: 2013.03.12																								
				Serial No.: 3GH092208T1102																								
Customer:				Type: M3GP 80MC 2 Product Code: 3GGP081323-_SB Protection Type: Ex nA IIC T3 Cert. No.: VTT 12 ATEX 050X / IECEX VTT 12.0010X																								
Customer ref.:																												
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>2870</td> <td>4,10</td> <td>0,8</td> </tr> <tr> <td>400</td> <td>Y</td> <td>50</td> <td>1,10</td> <td>2870</td> <td>2,40</td> <td>0,8</td> </tr> </tbody> </table>						V	Hz	kW	r/min	A	cos φ	Duty	230	D	50	1,10	2870	4,10	0,8	400	Y	50	1,10	2870	2,40	0,8
V	Hz	kW	r/min	A	cos φ	Duty																						
230	D	50	1,10	2870	4,10	0,8																						
400	Y	50	1,10	2870	2,40	0,8																						
3~Motor																												
Insul.cl.F																												
IP55																												
Eff class IE2		50Hz : IE2 - 81,8(100%) - 82,4(75%) - 80,2(50%)																										
Resistance				Insulation resistance at 28,8 °C		Overload																						
Line				R > 2000 Mohm 1000 V		Current 150 % 120s																						
U ₁ - V ₁				Ambient: 28,7 °C		Torque 160 % 15s																						
U ₁ - W ₁				10,14000 Ω		Speed 120 % 120s																						
V ₁ - W ₁				10,13000 Ω																								
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				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	1,37	0,10		3000	0,11																				
Locked rotor test		71,5 Y	50	2,5	0,23		0	0,74																				
Thermal test (100% load)	3,7	400 Y	50	2,3	1,34	1,10	2875	0,81	82,10																			
Partial load points:																												
~75% load	2,7	400 Y	50	1,99	1,01	0,83	2909	0,73	82,00																			
~50% load	1,8	400 Y	50	1,68	0,69	0,55	2942	0,59	79,30																			
~25% load	0,9	400 Y	50	1,51	0,41	0,28	2971	0,39	68,90																			
Temperature rise at rated load.				°C	K	Method	Measurement method																					
Stator winding :				30,9	3		1 Resistance																					
Frame :				10,9	3		2 Thermometer																					
Bearing D-end :				19,1	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 19.6.2009																												
Tested by Asea Brown Boveri, S.A., Fabrica Motores , 08192 Sant Quirze del Valles , Spain																												
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