



Type Test Report				Date of issue: 2013.03.12																								
				Serial No.: 3GH092310T3004																								
Customer:				Type: M3GP100LD 4 Product Code: 3GGP102324- _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>3,00</td> <td>1450</td> <td>10,90</td> <td>0,79 S1</td> </tr> <tr> <td>400</td> <td>Y</td> <td>50</td> <td>3,00</td> <td>1450</td> <td>6,30</td> <td>0,79 S1</td> </tr> </tbody> </table>						V	Hz	kW	r/min	A	cos φ	Duty	230	D	50	3,00	1450	10,90	0,79 S1	400	Y	50	3,00	1450	6,30	0,79 S1
V	Hz	kW	r/min	A	cos φ	Duty																						
230	D	50	3,00	1450	10,90	0,79 S1																						
400	Y	50	3,00	1450	6,30	0,79 S1																						
3~Motor																												
Insul.cl.F																												
IP55																												
Eff class IE2		50Hz : IE2 - 86,8(100%) - 87,0(75%) - 85,4(50%)																										
Resistance				Insulation resistance at 28,7 °C		Overload																						
Line				R > 2000 Mohm 1000 V		Current 150 % 120s																						
U ₁ - V ₁				2,68000 Ω		Torque 160 % 15s																						
U ₁ - W ₁				2,68400 Ω		Speed 120 % 120s																						
V ₁ - W ₁				2,68900 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	3,5	0,22		1500	0,09																				
Locked rotor test		72,7 Y	50	6,4	0,44		0	0,54																				
Thermal test (100% load)	19,8	400 Y	50	6,1	3,48	3,00	1450	0,82	86,20																			
Partial load points:																												
~75% load	14,7	400 Y	50	4,9	2,61	2,25	1463	0,76	86,30																			
~50% load	9,7	400 Y	50	3,9	1,77	1,50	1476	0,65	84,70																			
~25% load	4,8	400 Y	50	3,0	0,96	0,75	1487	0,45	77,80																			
Temperature rise at rated load.				°C	K	Method		Measurement method																				
Stator winding :				37,2	3			1 Resistance																				
Frame :				16,4	3			2 Thermometer																				
Bearing D-end :				26,8	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 22.6.2009																												
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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