



Type Test Report				Date of issue: 2013.03.12																								
Customer:				Serial No.: 3GH074909T1502																								
Customer ref.:				Type: M3GP 90SLB 2 Product Code: 3GGP091322-_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>1,50</td> <td>2900</td> <td>5,10</td> <td>0,86 S1</td> </tr> <tr> <td>400</td> <td>Y</td> <td>50</td> <td>1,50</td> <td>2900</td> <td>3,00</td> <td>0,86 S1</td> </tr> </tbody> </table>				V	Hz	kW	r/min	A	cos φ	Duty	230	D	50	1,50	2900	5,10	0,86 S1	400	Y	50	1,50	2900	3,00	0,86 S1
V	Hz	kW	r/min	A	cos φ	Duty																						
230	D	50	1,50	2900	5,10	0,86 S1																						
400	Y	50	1,50	2900	3,00	0,86 S1																						
3-Motor Insul.cl.F IP55 Eff class IE2				50Hz : IE2 - 82,2(100%) - 84,1(75%) - 82,7(50%)																								
Resistance Line U <sub>1</sub> - V <sub>1</sub> U <sub>1</sub> - W <sub>1</sub> V <sub>1</sub> - W <sub>1</sub>				Ambient: 18,0 °C 7,30000 Ω 7,28000 Ω 7,29000 Ω		Insulation resistance at 18 °C R > 2000 Mohm 1000 V																						
				High-voltage test winding 2400 V		Overload Current 150 % 120s Torque 160 % 15s Speed 120 % 120s 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	1,04	0,12		3000	0,16																				
Locked rotor test		75 Y	50	3,0	0,19		0	0,49																				
Thermal test ( 100% load )	4,9	400 Y	50	2,9	1,81	1,50	2895	0,89	82,70																			
Partial load points:																												
~75% load	3,7	400 Y	50	2,2	1,36	1,13	2929	0,86	83,30																			
~50% load	2,4	400 Y	50	1,68	0,92	0,75	2952	0,79	81,80																			
~25% load	1,2	400 Y	50	1,20	0,51	0,38	2976	0,61	74,50																			
Temperature rise at rated load.				[°C] [K]		Method		Measurement method																				
Stator winding :				48,3		3		1 Resistance																				
Frame :				13		3		2 Thermometer																				
Bearing D-end :				23		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 21.12.2007																								
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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