



Type Test Report				Date of issue: 2013.03.12																								
Customer:				Serial No.: 3GH092013T5504																								
Customer ref.:				Type: M3GP 132SMB 4 Product Code: 3GGP132322-_DB 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>690</td> <td>Y 50</td> <td>5,50</td> <td>1460</td> <td>6,40</td> <td>0,80</td> <td>S1</td> </tr> <tr> <td>400</td> <td>D 50</td> <td>5,50</td> <td>1460</td> <td>11,10</td> <td>0,80</td> <td>S1</td> </tr> </tbody> </table>				V	Hz	kW	r/min	A	cos φ	Duty	690	Y 50	5,50	1460	6,40	0,80	S1	400	D 50	5,50	1460	11,10	0,80	S1
V	Hz	kW	r/min	A	cos φ	Duty																						
690	Y 50	5,50	1460	6,40	0,80	S1																						
400	D 50	5,50	1460	11,10	0,80	S1																						
3-Motor Insul.cl.F IP55 Eff class IE2				50Hz : IE2 - 89,0(100%) - 89,8(75%) - 88,9(50%)																								
Resistance Line				Ambient: 30,3 °C		Insulation resistance at 26,2 °C		Overload																				
U ₁ - V ₁ U ₁ - W ₁ V ₁ - W ₁				1,28800 Ω 1,28400 Ω 1,28800 Ω		R > 2000 Mohm 1000 V		Current 150 % 120s 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 D	50	4,8	0,26		1500	0,08																				
Locked rotor test		97,5 D	50	11,5	0,67		0	0,34																				
Thermal test (100% load)	36,0	400 D	50	10,7	6,21	5,50	1460	0,83	88,50																			
Partial load points:																												
~75% load	26,8	400 D	50	8,2	4,62	4,13	1470	0,81	89,30																			
~50% load	17,7	400 D	50	6,6	3,11	2,75	1480	0,67	88,40																			
~25% load	8,9	400 D	50	4,2	1,61	1,38	1487	0,55	85,70																			
Temperature rise at rated load.				[°C] [K]		Method		Measurement method																				
Stator winding :				41,9		3		1 Resistance																				
Frame :				8,4		3		2 Thermometer																				
Bearing D-end :				26,1		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		3.6.2009																						
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																				

Computer print-out valid without signature.