



Type Test Report				Date of issue: 2013.03.12																								
Customer:				Serial No.: 3GH102108T7504																								
Customer ref.:				Type: M3GP 80MD 4 Product Code: 3GGP082324-_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>0,75</td> <td>1430</td> <td>1,05</td> <td>0,73</td> <td>S1</td> </tr> <tr> <td>400</td> <td>D 50</td> <td>0,75</td> <td>1430</td> <td>1,83</td> <td>0,73</td> <td>S1</td> </tr> </tbody> </table>				V	Hz	kW	r/min	A	cos φ	Duty	690	Y 50	0,75	1430	1,05	0,73	S1	400	D 50	0,75	1430	1,83	0,73	S1
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3-Motor Insul.cl.F IP55 Eff class IE2				50Hz : IE2 - 81,0(100%) - 80,7(75%) - 77,3(50%)																								
Resistance				Insulation resistance at 26,6 °C		Overload																						
Line Ambient: 21,2 °C				R > 2000 Mohm 1000 V		Current 150 % 120s Torque 160 % 15s Speed 120 % 120s																						
U <sub>1</sub> - V <sub>1</sub> 13,54000 Ω																												
U <sub>1</sub> - W <sub>1</sub> 13,55000 Ω																												
V <sub>1</sub> - W <sub>1</sub> 13,55000 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 D	50	1,21	0,09		1500	0,11																				
Locked rotor test		72,8 D	50	1,83	0,16		0	0,69																				
Thermal test ( 100% load )	5,0	400 D	50	1,80	0,94	0,75	1435	0,75	79,40																			
Partial load points:																												
~75% load	3,7	400 D	50	1,55	0,71	0,56	1452	0,66	79,40																			
~50% load	2,4	400 D	50	1,36	0,49	0,38	1469	0,52	76,40																			
~25% load	1,2	400 D	50	1,23	0,29	0,19	1484	0,34	65,40																			
Temperature rise at rated load.				[°C] [K]		Method		Measurement method																				
Stator winding :				25,3		3		1 Resistance																				
Frame :				15,4		3		2 Thermometer																				
Bearing D-end :				21,4		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 7.6.2010																								
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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