



Type Test Report				Date of issue: 2013.03.12																								
Customer:				Serial No.: 3GH074307T2504																								
Customer ref.:				Type: M3GP 71MA 4 Product Code: 3GGP072321-_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>0,25</td> <td>1365</td> <td>0,37</td> <td>0,81</td> <td>S1</td> </tr> <tr> <td>400</td> <td>D 50</td> <td>0,25</td> <td>1365</td> <td>0,65</td> <td>0,81</td> <td>S1</td> </tr> </tbody> </table>				V	Hz	kW	r/min	A	cos φ	Duty	690	Y 50	0,25	1365	0,37	0,81	S1	400	D 50	0,25	1365	0,65	0,81	S1
V	Hz	kW	r/min	A	cos φ	Duty																						
690	Y 50	0,25	1365	0,37	0,81	S1																						
400	D 50	0,25	1365	0,65	0,81	S1																						
Resistance				Insulation resistance at 21 °C																								
Line Ambient: 15,0 °C				R > 2000 Mohm		1000 V																						
U <sub>1</sub> - V <sub>1</sub> 92,80000 Ω																												
U <sub>1</sub> - W <sub>1</sub> 92,82000 Ω																												
V <sub>1</sub> - W <sub>1</sub> 92,79000 Ω																												
				High-voltage test winding		2400 V 60 s																						
Overload																												
				Current 150 %		120s																						
				Torque 160 %		15s																						
				Speed 120 %		120s																						
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	0,43	0,05		1500	0,17																				
Locked rotor test		113,3 D	50	0,70	0,11		0	0,80																				
Thermal test ( 100% load )	1,7	400 D	50	0,63	0,37	0,25	1377	0,84	66,70																			
Partial load points:																												
~75% load	1,3	400 D	50	0,49	0,27	0,19	1408	0,79	69,30																			
~50% load	0,8	400 D	50	0,37	0,18	0,13	1428	0,69	68,10																			
~25% load	0,4	400 D	50	0,30	0,10	0,06	1470	0,48	61,30																			
Temperature rise at rated load.				[°C] [K]		Method		Measurement method																				
Stator winding :				40,8		3		1 Resistance																				
Frame :				17,0		3		2 Thermometer																				
Bearing D-end :				20,0		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 12.11.2007																								
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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