



Type Test Report				Date of issue: 2013.03.12																								
Customer:				Serial No.: 3GH073307T5502																								
Customer ref.:				Type: M3GP 71MB 2 Product Code: 3GGP071322-_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>0,55</td> <td>2680</td> <td>0,73</td> <td>0,85</td> <td>S1</td> </tr> <tr> <td>400</td> <td>D 50</td> <td>0,55</td> <td>2680</td> <td>1,27</td> <td>0,85</td> <td>S1</td> </tr> </tbody> </table>				V	Hz	kW	r/min	A	cos φ	Duty	690	Y 50	0,55	2680	0,73	0,85	S1	400	D 50	0,55	2680	1,27	0,85	S1
V	Hz	kW	r/min	A	cos φ	Duty																						
690	Y 50	0,55	2680	0,73	0,85	S1																						
400	D 50	0,55	2680	1,27	0,85	S1																						
Resistance				Insulation resistance at 31 °C		Overload																						
Line Ambient: 24,0 °C				R > 2000 Mohm 1000 V		Current 150 % 120s Torque 160 % 15s Speed 120 % 120s																						
U ₁ - V ₁ 26,16000 Ω																												
U ₁ - W ₁ 26,13000 Ω																												
V ₁ - W ₁ 26,17000 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	0,58	0,05		3000	0,12																				
Locked rotor test		106,5 D	50	1,30	0,17		0	0,71																				
Thermal test (100% load)	2,0	400 D	50	1,24	0,76	0,55	2590	0,88	71,90																			
Partial load points:																												
~75% load	1,4	400 D	50	0,93	0,54	0,41	2718	0,83	76,20																			
~50% load	0,9	400 D	50	0,69	0,36	0,28	2818	0,75	78,20																			
~25% load	0,5	400 D	50	0,44	0,18	0,14	2904	0,58	75,90																			
Temperature rise at rated load.				[°C] [K]		Method		Measurement method																				
Stator winding :				49,2		3		1 Resistance																				
Frame :				7		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		4.9.2007																						
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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