



Type Test Report				Date of issue: 2013.03.12																						
Customer:				Serial No.: 3GE120537P0393																						
Customer ref.:				Type: M3GP 71 MB 6 Product Code: 3GGP073322-_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</td> <td>50</td> <td>895</td> <td>0,44</td> <td>0,69</td> <td>S1</td> </tr> <tr> <td>400</td> <td>D</td> <td>50</td> <td>895</td> <td>0,77</td> <td>0,69</td> <td>S1</td> </tr> </tbody> </table>		V	Hz	kW	r/min	A	cos φ	Duty	690	Y	50	895	0,44	0,69	S1	400	D	50	895	0,77	0,69	S1
V	Hz	kW	r/min	A	cos φ	Duty																				
690	Y	50	895	0,44	0,69	S1																				
400	D	50	895	0,77	0,69	S1																				
Resistance				Insulation resistance at 22 °C																						
Line Ambient: 15,7 °C				R > 2000 Mohm 1000 V																						
U ₁ - V ₁ 74,70000 Ω				Overload																						
U ₁ - W ₁ 74,50000 Ω				Current 150 % 120s																						
V ₁ - W ₁ 74,50000 Ω				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	0,74	0,07		1000	0,14																		
Locked rotor test		105,9 D	50	0,77	0,12		0	0,85																		
Thermal test (100% load)	2,6	400 D	50	0,85	0,39	0,25	918	0,66	63,40																	
Partial load points:																										
~75% load	1,9	400 D	50	0,77	0,30	0,19	942	0,56	61,50																	
~50% load	1,2	400 D	50	0,75	0,23	0,13	962	0,44	54,80																	
~25% load	0,6	400 D	50	0,74	0,16	0,06	981	0,31	38,30																	
Temperature rise at rated load.				[°C] [K] Method		Measurement method																				
Stator winding :				38,0 3		1 Resistance																				
Frame :				26 3		2 Thermometer																				
Bearing D-end :				18,7 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		29.2.2012																						
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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