



Type Test Report				Date of issue: 2013.03.12							
Customer:				Serial No.: 3GE120537P0393							
Customer ref.:				Type: M3GP 71 MB 6							
				Product Code: 3GGP073322-_SB							
				Protection Type: Ex nA IIC T3							
				Cert. No.: VTT 12 ATEX 050X / IECEx VTT 12.0010X							
Rating:				V	Hz	kW	r/min	A	cos φ	Duty	
3-Motor				230	D 50	0,25	895	1,33	0,69	S1	
Insul.cl.F				400	Y 50	0,25	895	0,77	0,69	S1	
IP55											
Resistance				Insulation resistance at 22 °C				Overload			
Line				R > 2000 Mohm 1000 V				Current 150 % 120s			
Ambient: 15,7 °C								Torque 160 % 15s			
U ₁ - V ₁				74,70000 Ω				Speed 120 % 120s			
U ₁ - W ₁				74,50000 Ω							
V ₁ - W ₁				74,50000 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 Y	50	0,74	0,07		1000	0,14			
Locked rotor test		105,9 Y	50	0,77	0,12		0	0,85			
Thermal test (100% load)	2,6	400 Y	50	0,85	0,39	0,25	918	0,66	63,40		
Partial load points:											
~75% load	1,9	400 Y	50	0,77	0,30	0,19	942	0,56	61,50		
~50% load	1,2	400 Y	50	0,75	0,23	0,13	962	0,44	54,80		
~25% load	0,6	400 Y	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	
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