



Type Test Report				Date of issue: 2013.03.12					
Customer:				Serial No.: 3GE121537T0001					
Customer ref.:				Type: M3GP 071 MA 2 Product Code: 3GGP071321-_DB 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		690	Y 50	0,37	2660	0,55	0,8	S1	
Insul.cl.F		400	D 50	0,37	2660	0,96	0,8	S1	
IP55									
Resistance				Insulation resistance at 25 °C		Overload			
Line		Ambient: 20,0 °C		R > 2000 Mohm 1000 V		Current 150 % 120s Torque 160 % 15s Speed 120 % 120s			
U ₁ - V ₁		42,50333 Ω							
U ₁ - W ₁		42,54331 Ω							
V ₁ - W ₁		42,58330 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	0,54	0,05		3000	0,13	
Locked rotor test		103,5 D	50	0,96	0,13		0	0,76	
Thermal test (100% load)	1,3	400 D	50	0,9	0,49	0,37	2768	0,80	75,00
Partial load points:									
~75% load	0,9	400 D	50	0,8	0,37	0,28	2834	0,71	75,50
~50% load	0,6	400 D	50	0,6	0,25	0,19	2894	0,58	72,60
~25% load	0,3	400 D	50	0,6	0,15	0,09	2944	0,38	61,20
Temperature rise at rated load.				°C	[K]	Method	Measurement method		
Stator winding :				32,6	3		1 Resistance		
Frame :				16,1	3		2 Thermometer		
Bearing D-end :				17,8	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		24.4.2012					
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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