



Type Test Report				Date of issue: 2013.03.12							
Customer:				Serial No.: 3GH072407T1806							
Customer ref.:				Type: M3GP 71MA 6							
				Product Code: 3GGP073321-_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	900	0,98	0,71	S1	
Insul.cl.F				400	Y	50	900	0,57	0,71	S1	
IP55											
Resistance				Insulation resistance at 28 °C				Overload			
Line				R > 2000 Mohm 1000 V				Current 150 % 120s			
U ₁ - V ₁				Ambient: 28,0 °C				Torque 160 % 15s			
U ₁ - W ₁				122,2200 Ω				Speed 120 % 120s			
V ₁ - W ₁				122,3700 Ω							
				122,3600 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	0,49	0,07		1000	0,21			
Locked rotor test		160,4 Y	50	0,70	0,17		0	0,87			
Thermal test (100% load)	1,9	400 Y	50	0,57	0,29	0,18	898	0,73	61,90		
Partial load points:											
~75% load	1,4	400 Y	50	0,50	0,22	0,14	929	0,63	61,90		
~50% load	0,9	400 Y	50	0,46	0,16	0,09	956	0,50	56,90		
~25% load	0,4	400 Y	50	0,40	0,10	0,05	979	0,36	43,70		
Temperature rise at rated load.				°C	K	Method		Measurement method			
Stator winding :				37,3	3	1 Resistance		2 Thermometer			
Frame :				18,0	3	2 Thermometer		3 Thermocouples			
Bearing D-end :				21,0	3						
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 2.7.2007							
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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