



Test Report				Date of issue: 16.3.2015					
Customer:				Serial No.:					
Customer ref.:				Order No.:					
				Type: M3GP 200MLA 4					
				Product Code: 3GGP202410-ADL					
				Protection type: Ex nA IIC T3 Gc					
				Cert. No.: LCIE 13 ATEX 1034 X					
				IECEX LCIE 13.0047 X					
Rating:									
	V	Hz	kW	r/min	A	cos φ	Duty		
3-Motor	690	Y 50	30,0	1483	31,9	0,84	S1		
Insul.cl.F	400	D 50	30,0	1483	54,8	0,84	S1		
IP55	415	D 50	30,0	1485	53,6	0,83	S1		
	440	D 60	30,0	1784	49,5	0,85	S1		
Eff class IE3	460	D 60	30,0	1785	47,7	0,84	S1		
50Hz: IE3-93,6%(100%)-93,8%(75%)-93,4%(50%)									
60Hz: IE3-94,1%(100%)									
Resistance				Insulation resistance at 85 °C		Overload			
Line	Ambient: 25 °C		2000 MΩ		1000 V		Torque 160% 15s		
U ₁ - V ₁	0,13170 Ω						Speed 120% 120s		
U ₁ - W ₁	0,13160 Ω						Current 150% 15s		
V ₁ - W ₁	0,13180 Ω								
				High-voltage test winding		1900 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		400,0 D	50	19,1	0,73		1498	0,05	
Locked rotor test		78,1 D	50	54,7	2,43		0	0,33	
Thermal test (100% load)	192,8	400,8 D	50	54,8	32,0	30,0	1483	0,84	93,7
Partial load points:									
~75% load	144,3	400,6 D	50	42,9	23,9	22,5	1488	0,81	94,0
~50% load	96,5	400,6 D	50	32,2	16,1	15,0	1492	0,72	93,5
~25% load	48,4	400,1 D	50	23,7	8,3	7,5	1497	0,51	90,2
Temperature rise at rated load.				°C	[K]	Method	Measurement method		
Stator winding :				52	1		1 Resistance		
Frame :				27	2		2 Thermocouples		
Bearing D-end :				31	2		3 Thermometer		
Rotor :				69	3				
Ambient Temperature :				25	2				
<p>These tests have been carried out on motor no.3G1P141700183, on date 2014-07-03 which is identical in design with the above.</p> <p>Manufactured and tested in accordance with rules of IEC 60034-1 and IEC 60034-2-1. PLL determined from residual loss.</p>									
On behalf of customer									
On behalf of manufacturer				Date of test					
Tested by ABB Oy, Motors and Generators, Vaasa, Finland						Telephone +358 10 2211		Telefax +358 10 22 47372	

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