



Test Report				Date of issue: 27.5.2015						
Customer:				Serial No.:						
Customer ref.:				Order No.:						
				Type: M3GP 200MLA 4						
				Product Code: 3GGP202410-ADK						
				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	1484	31,7	0,84	S1
Insul.cl.F				400	D 50	30,0	1484	54,6	0,84	S1
IP55				660	Y 50	30,0	1481	32,8	0,85	S1
				380	D 50	30,0	1481	56,9	0,85	S1
				415	D 50	30,0	1485	53,8	0,82	S1
				460	D 60	30,0	1786	47,9	0,83	S1
Eff class IE3				50Hz : IE3-94,4(100%)-94,8(75%)-94,6(50%)						
				60Hz : IE3-94,7(100%)						
Resistance				Insulation resistance at 24 °C				Overload		
Line				Ambient: 23,7 °C				R > 2000 Mohm 1000 V		
U ₁ - V ₁				0,1239 Ω				Current 150 % 120s		
U ₁ - W ₁				0,1239 Ω				Torque 160 % 15s		
V ₁ - W ₁				0,1239 Ω				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		401 D	50	22,3	0,53		1500	0,03		
Locked rotor test		70,1 D	50	49,9	1,94		0	0,32		
Thermal test (100% load)	193,2	400 D	50	55,7	31,68	30,00	1483	0,82	94,70	
Partial load points:										
~75% load	147,7	400 D	50	45,0	24,22	23,02	1488	0,78	95,07	
~50% load	99,5	400 D	50	34,8	16,37	15,54	1492	0,68	94,95	
~25% load	52,1	400 D	50	26,5	8,77	8,16	1496	0,48	93,07	
Temperature rise at rated load.				°C	[K]	Method	Measurement method			
Stator winding :				52,4	1	1 Resistance				
Frame :				33,9	2	2 Thermometer				
Bearing D-end :				33,0	2	3 Thermocouples				
Ambient Temperature :				24	2					
These tests have been carried out on motor no. 3GV1110782967001, on date 2011-09-22 which is identical in electrical design with the above.										
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										
Telephone +46 (0)21 32 90 00										
Tested by ABB AB, LV Motors, 721 70 Västerås, Sweden Telefax +46 (0)21 32 90 22										

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