



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 tb IIIB/C T125C Db						
				Cert. No.: LCIE 13 ATEX 3067 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		
IP65		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		Current 150 % 120s	
U <sub>1</sub> - V <sub>1</sub>		0,1239 Ω							Torque 160 % 15s	
U <sub>1</sub> - W <sub>1</sub>		0,1239 Ω							Speed 120 % 120s	
V <sub>1</sub> - W <sub>1</sub>		0,1239 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]	n[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					
<p>These tests have been carried out on motor no. 3GV1110782967001, on date 2011-09-22 which is identical in electrical 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 AB, LV Motors, 721 70 Västerås, Sweden						Telephone +46 (0)21 32 90 00		Telefax +46 (0)21 32 90 22		

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