



Test Report				Date of issue: 28.5.2015							
Customer:				Serial No.:							
Customer ref.:				Order No.:							
				Type: M3GP 200MLA 6							
				Product Code: 3GGP203410-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	18,5	990	21,6	0,77	S1			
Insul.cl.F		400	D 50	18,5	990	37,3	0,77	S1			
IP55		660	Y 50	18,5	989	21,8	0,80	S1			
		380	D 50	18,5	989	37,8	0,80	S1			
		415	D 50	18,5	991	37,4	0,74	S1			
Eff class IE3		460	D 60	18,5	1191	32,3	0,77	S1			
		50Hz : IE3-92,8(100%)-93,2(75%)-92,6(50%)									
		60Hz : IE3-93,3(100%)									
Resistance				Insulation resistance at 22 °C				Overload			
Line		Ambient: 22,1 °C		R > 2000 Mohm		1000 V		Current 150 % 120s			
U ₁ - V ₁		0,2704 Ω						Torque 160 % 15s			
U ₁ - W ₁		0,2693 Ω						Speed 120 % 120s			
V ₁ - W ₁		0,2695 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	17,4	0,6		1000	0,05		
Locked rotor test		76	D	50	36,2	1,52		0	0,32		
Thermal test (100% load)	178,5	400	D	50	36,9	20,03	18,50	990	0,78	92,38	
Partial load points:											
~75% load	135,9	400	D	50	30,3	15,26	14,12	992	0,73	92,54	
~50% load	90,8	400	D	50	24,2	10,31	9,46	995	0,61	91,80	
~25% load	46,6	400	D	50	19,7	5,55	4,87	997	0,41	87,85	
Temperature rise at rated load.				°C	[K]	Method		Measurement method			
		Stator winding :		50,0	1			1 Resistance			
		Frame :		39,7	2			2 Thermometer			
		Bearing D-end :		31,3	2			3 Thermocouples			
		Ambient Temperature :		22	2						
<p>These tests have been carried out on motor no. 3GV1110796909001, on date 2011-09-20 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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