



Test Report				Date of issue: 25.5.2015						
Customer:				Serial No.:						
Customer ref.:				Order No.:						
				Type: M3GP 200MLA 2						
				Product Code: 3GGP201410-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	2958	29,6	0,90	S1		
Insul.cl.F		400	D 50	30,0	2958	51,0	0,90	S1		
IP55		660	Y 50	30,0	2952	31,2	0,90	S1		
		380	D 50	30,0	2952	54,1	0,90	S1		
		415	D 50	30,0	2962	49,2	0,90	S1		
		460	D 60	30,0	3563	44,5	0,90	S1		
Eff class IE3		50Hz : IE3-94,2(100%)-94,9(75%)-94,7(50%)								
		60Hz : IE3-93,5(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>		0,1163 Ω					Torque 160 % 15s			
U <sub>1</sub> - W <sub>1</sub>		0,1142 Ω					Speed 120 % 120s			
V <sub>1</sub> - W <sub>1</sub>		0,1175 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		401,1 D	50	12,5	0,56		3000	0,06		
Locked rotor test		71,2 D	50	49,4	2,05		0	0,34		
Thermal test ( 100% load )	96,8	400 D	50	51,5	31,82	30,00	2960	0,89	94,29	
Partial load points:										
~75% load	75,5	400 D	50	41,0	24,78	23,47	2970	0,87	94,72	
~50% load	51,0	400 D	50	29,2	16,80	15,91	2981	0,83	94,69	
~25% load	26,9	400 D	50	19,2	9,08	8,43	2991	0,68	92,82	
Temperature rise at rated load.				°C	[K]	Method		Measurement method		
Stator winding :				51,8	1			1 Resistance		
Frame :				31,3	2			2 Thermometer		
Bearing D-end :				24,7	2			3 Thermocouples		
Ambient Temperature :				24	2					
<p>These tests have been carried out on motor no. 3GV1110782965001, on date 2011-09-27 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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