



Test Report				Date of issue: 27.5.2015					
Customer:				Serial No.:					
Customer ref.:				Order No.:					
				Type: M3GP 180MLA 6					
				Product Code: 3GGP183410-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	15,0	981	17,6	0,77	S1		
Insul.cl.F	400	D 50	15,0	981	30,4	0,77	S1		
IP65	660	Y 50	15,0	980	18,1	0,79	S1		
	380	D 50	15,0	980	31,3	0,79	S1		
	415	D 50	15,0	982	30,1	0,75	S1		
	460	D 60	15,0	1183	27,1	0,75	S1		
Eff class IE3	50Hz : IE3-92,2(100%)-92,4(75%)-91,5(50%)								
	60Hz : IE3-92,3(100%)								
Resistance				Insulation resistance at 22 °C		Overload			
Line				R > 2000 Mohm 1000 V		Current 150 % 120s			
U ₁ - V ₁				Ambient: 22,2 °C		Torque 160 % 15s			
U ₁ - W ₁				0,38170 Ω		Speed 120 % 120s			
V ₁ - W ₁				0,38060 Ω					
				0,38160 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		399 D	50	12,5	0,37		1000	0,04	
Locked rotor test		98 D	50	29,5	1,38			0,28	
Thermal test (100% load)	146,5	400 D	50	29,8	16,34	15,00	978	0,79	91,78
Partial load points:									
~75% load	111,1	400 D	50	23,9	12,37	11,44	984	0,75	92,52
~50% load	74,0	400 D	50	18,5	8,29	7,67	989	0,65	92,56
~25% load	38,2	400 D	50	14,5	4,42	3,98	995	0,44	89,98
Temperature rise at rated load.				°C	[K]	Method	Measurement method		
Stator winding :				40,4	1	1 Resistance			
Frame :				27,3	2	2 Thermometer			
Bearing D-end :				23,1	2	3 Thermocouples			
Ambient Temperature :				22	2				
<p>These tests have been carried out on motor no. 3GV1210923142001, on date 2011-05-02 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			

Computer print-out valid without signature.