



Type Test Report				Date of issue:						
Customer:				Serial No.:						
				Type: M3GP 200MLC 6 Product Code: 3GGP203430-_DG Protection type: Ex nA II T3 Cert. No.: LCIE 06 ATEX 6089 / LCIE Ex 00.016 / IECEx LCI 07.0001						
Customer ref.:										
Rating:				V	Hz	kW	r/min	A	cos φ	Duty
3~Motor		690	Y 50	30.0	983	34.1	0.81	S1		
Insul.cl.F		400	D 50	30.0	983	58.8	0.81	S1		
IP55		660	Y 50	30.0	980	34.5	0.84	S1		
305 kg		380	D 50	30.0	980	59.9	0.84	S1		
		415	D 50	30.0	984	58.1	0.79	S1		
		440	D 60	35.0	1180	59.5	0.84	S1		
Resistance				Insulation resistance at 67 °C				Overload		
Line Ambient: 22.0 °C				580 MΩ 1000 V				Torque 160 % 15s		
U ₁ - V ₁ 0.17940 Ω										
U ₁ - W ₁ 0.17945 Ω										
V ₁ - W ₁ 0.17968 Ω										
				High-voltage test winding 2900 V				1 s		
Test		Line U[V]	f[Hz]	Input I[A]	P1 [kW]	Output P2 [kW]	n[r/min]	cos φ	η [%]	
No load test		400 D	50	26.8	1.238		1000	0.0665		
Locked rotor test		81.5 D	50	59.0	3.54		0	0.4251		
Thermal test (100% load)		400 D	50	59.4	33.19	30.00	982	0.81	90.4	
Partial load points:										
~75% load		400.1 D	50	47.6	24.78	22.50	988	0.75	90.8	
~50% load		400.1 D	50	37.5	16.70	15.00	992	0.64	89.8	
~25% load		400 D	50	30.0	8.86	7.50	996	0.43	84.7	
Temperature rise at rated load.				°C	K	Method		Measurement method		
Stator winding :				74.3	1	1		1 Resistance		
Frame :				47.7	2	2		2 Thermometer		
Bearing D-end :				48	2	2		3 Thermocouples		
Rotor:				101.3	3	3				
Ambient Temperature :				25	2	2				
These tests have been carried out on motor no. 3GF11086991C 2011-10-28 which is identical in 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			28.10.2011			
Tested by ABB Oy, Motors and Generators, Vaasa, Finland							Telephone +358 10 2211 Telefax +358 10 22 47372			

Computer print-out valid without signature.