



Test Report				Date of issue: 28.8.2013						
				Serial No.: 0801-010228065						
				Type: M3GP 180MLA 2 B3						
				Product Code: 3GGP181410-ADD						
				Protection type: Ex nA II C T3 Gc						
				Cert. No.: LCIE 13 ATEX 1034 X						
				IECEX LCIE 13.0047X						
Rating:										
		V	Hz	kW	r/min	A	cos φ	Duty		
3~Motor		400	D 50	22	2938	38,4	0,90	S1		
Insul.cl.F		415	D 50	22	2944	37,3	0,89	S1		
IP55		690	Y 50	22	2938	22,3	0,90	S1		
Eff class IE2		400 V 50Hz : IE2 - 91.7(100%) - 92.2(75%) - 91.7(50%)								
Resistance				Insulation resistance at 23,0 °C			Overload			
Line		Ambient: 23,0 °C		20000 MΩ 1000 V			Torque 160% 15s			
U ₁ - V ₁		0,24720 Ω								
U ₁ - W ₁		0,24710 Ω								
V ₁ - W ₁		0,24750 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]	η[r/min]	cos φ	η [%]	
No load test		400,0	D 50	10,1	0,71		2998	0,10		
Locked rotor test		74,3	D 50	39,5	2,11		0	0,42		
Thermal test (100% load)	71,4	400,0	D 50	39,1	24,1	22,0	2941	0,89	91,3	
Partial load points:										
~75% load	53,6	400,1	D 50	29,8	18,0	16,5	2959	0,87	91,9	
~50% load	35,7	400,2	D 50	21,3	12,0	11,00	2972	0,82	91,4	
~25% load	18,0	400,2	D 50	14,0	6,29	5,50	2987	0,65	87,4	
Temperature rise at rated load.				[°C]	[K]	Method		Measurement method		
Stator winding :				73,1	1	1		1 Resistance		
Frame :				28,8	2	2		2 Thermometer		
Bearing D-end :				34,5	2	3		3 Thermocouples		
Rotor:				98,4	3					
Ambient Temperature :				25,0	2					
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		6.8.2008						
Tested by ABB Oy, Motors and Generators, Vaasa, Finland						Telephone +358 10 2211		Telefax +358 10 22 47372		

Computer print-out valid without signature.