



Test Report				Date of issue: 28.8.2013					
				Serial No.: 0929-010207203					
				Type: M3GP 200MLC 4					
				Product Code: 3GGP202430-ADD					
				Protection type: Ex nA II C T3 Gc					
				Cert. No.: LCIE 13 ATEX 1034 X <u>IECEX LCIE 13.0047X</u>					
Rating:									
	V	Hz	kW	r/min	A	cos φ	Duty		
3~Motor	400	D 50	37	1475	70	0,82	S1		
Insul.cl.F	415	D 50	37	1477	68,3	0,81	S1		
IP56	690	Y 50	37	1475	40,6	0,82	S1		
Eff class IE2      400 V 50Hz : IE2 - 93.0(100%) - 93.1(75%) - 92.3(50%)									
Resistance				Insulation resistance at 49,5 °C		Overload			
Line	Ambient: 24,5 °C			4000 MΩ      1000 V		Torque 160% 15s Speed 120% 120s			
U <sub>1</sub> - V <sub>1</sub>	0,11791 Ω								
U <sub>1</sub> - W <sub>1</sub>	0,11788 Ω								
V <sub>1</sub> - W <sub>1</sub>	0,11786 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		400,0 D	50	29,2	1,11		1500	0,06	
Locked rotor test		81,5 D	50	70,0	3,66		0	0,37	
Thermal test (100% load)	239,6	400,1 D	50	70,5	39,9	37,0	1480	0,82	92,8
Partial load points:									
~75% load	179,7	400,2 D	50	56,0	29,9	27,8	1484	0,77	92,9
~50% load	119,8	400,1 D	50	43,2	20,1	18,5	1489	0,67	92,1
~25% load	59,8	400,1 D	50	33,4	10,5	9,25	1494	0,45	88,1
Temperature rise at rated load.				°C	K	Method		Measurement method	
Stator winding :				69,2	1			1 Resistance	
Frame :				41,7	2			2 Thermometer	
Bearing N-end :				49,0	2			3 Thermocouples	
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		26.8.2009					
Tested by ABB Oy, Motors and Generators, Vaasa, Finland						Telephone +358 10 2211		Telefax +358 10 22 47372	

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