



Test Report				Date of issue: 28.8.2013							
				Serial No.: 3GF11078516							
				Type: M3GP 200MLA 6 IMV6/IM1031							
				Product Code: 3GGP203410-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	18,5	983	35,8	0,82	S1
Insul.cl.F				415	D	50	18,5	984	35,3	0,80	S1
IP55				690	Y	50	18,5	983	20,8	0,82	S1
Eff class IE2				400 V 50Hz : IE2 - 90.9(100%) - 91.1(75%) - 90.2(50%)							
Resistance				Insulation resistance at 62,5 °C				Overload			
Line				2000 MΩ 1000 V				Torque 160 % 15s			
U ₁ - V ₁				Ambient: 23,5 °C							
U ₁ - W ₁				0,33970 Ω							
V ₁ - W ₁				0,33960 Ω							
				0,33950 Ω							
				High-voltage test winding 1900 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	15,3	0,71		1000	0,07			
Locked rotor test		83,5 D	50	36,2	2,35		0	0,45			
Thermal test (100% load)	179,7	400,2 D	50	36,2	20,4	18,5	983	0,82	90,6		
Partial load points:											
~75% load	134,0	400,2 D	50	28,7	15,2	13,9	989	0,77	91,0		
~50% load	88,7	400,2 D	50	22,3	10,3	9,25	993	0,66	90,3		
~25% load	43,9	400,4 D	50	17,5	5,41	4,62	997	0,45	85,5		
Temperature rise at rated load.				°C	K	Method		Measurement method			
Stator winding :				65,6	1			1 Resistance			
Frame :				43,7	2			2 Thermometer			
Bearing D-end :				37,6	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 20.8.2011 Tested by ABB Oy, Motors and Generators, Vaasa, Finland Telephone +358 10 2211 Telefax +358 10 22 47372											

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