



Test Report				Date of issue: 28.8.2013					
				Serial No.: 3GF11094423					
				Type: M3GP 200MLA 8 IMB3/IM1001					
				Product Code: 3GGP204410-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	15	734	30,4	0,79	S1	
Insul.cl.F	415	D	50	15	735	30,1	0,77	S1	
IP55	690	Y	50	15	734	17,7	0,79	S1	
400 V 50Hz : 89.9(100%) - 90.3(75%) - 89.6(50%)									
Resistance			Ambient: 11,5 °C		Insulation resistance at 42,0 °C		Overload		
Line			5000 MΩ		1000 V		Torque 160 % 15s		
U <sub>1</sub> - V <sub>1</sub>			0,47350 Ω						
U <sub>1</sub> - W <sub>1</sub>			0,47360 Ω						
V <sub>1</sub> - W <sub>1</sub>			0,47360 Ω						
High-voltage test winding				2900 V		1 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		400,5 D	50	14,6	0,67		750	0,07	
Locked rotor test		88,5 D	50	30,4	1,86		0	0,40	
Thermal test (100% load)	195,2	400,0 D	50	30,6	16,8	15,0	734	0,79	89,2
Partial load points:									
~75% load	146,4	400,2 D	50	24,6	12,5	11,3	739	0,74	89,7
~50% load	97,2	400,1 D	50	19,6	8,45	7,50	743	0,62	88,8
~25% load	48,2	400,2 D	50	15,8	4,50	3,75	747	0,41	83,4
Temperature rise at rated load.			[°C]		[K]		Method		Measurement method
Stator winding :			71,1		1				1 Resistance
Frame :			49,1		2				2 Thermometer
Bearing D-end :			53,9		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		3.2.2012				
Tested by ABB Oy, Motors and Generators, Vaasa, Finland						Telephone +358 10 2211		Telefax +358 10 22 47372	

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