



Test Report				Date of issue: 28.8.2013					
				Serial No.: 3GF11094411					
				Type: M3GP 250SMA 8 IMB3/IM1001					
				Product Code: 3GGP254210-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	30	735	60,7	0,78	S1		
Insul.cl.F	415	D 50	30	735	59,9	0,76	S1		
IP55	690	Y 50	30	735	35,2	0,78	S1		
400 V 50Hz : 91.4(100%) - 91.2(75%) - 90.7(50%)									
Resistance			Ambient: 21,5 °C		Insulation resistance at 58,5 °C		Overload		
Line					1200 MΩ 1000 V		Torque 160 % 15s		
U <sub>1</sub> - V <sub>1</sub>			0,18674 Ω						
U <sub>1</sub> - W <sub>1</sub>			0,18673 Ω						
V <sub>1</sub> - W <sub>1</sub>			0,18677 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		400,0 D	50	26,2	0,76		750	0,04	
Locked rotor test		99,3 D	50	60,8	2,88		0	0,28	
Thermal test (100% load)	389,8	400,0 D	50	59,9	32,8	30,0	734	0,79	91,6
Partial load points:									
~75% load	291,9	400,0 D	50	47,8	24,4	22,5	738	0,74	92,3
~50% load	194,8	400,0 D	50	37,4	16,3	15,0	742	0,63	92,1
~25% load	97,2	400,0 D	50	29,5	8,42	7,50	745	0,41	89,0
Temperature rise at rated load.				[°C]	[K]	Method		Measurement method	
Stator winding :				70,5	1			1 Resistance	
Frame :				43,4	2			2 Thermometer	
Bearing D-end :				50,9	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		18.4.2012				
Tested by ABB Oy, Motors and Generators, Vaasa, Finland						Telephone +358 10 2211		Telefax +358 10 22 47372	

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