



Test Report				Date of issue: 28.8.2013					
				Serial No.: 0847-010378192					
				Type: M3GP 250SMA 4					
				Product Code: 3GGP252210-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	55	1479	100	0,84	S1		
Insul.cl.F	415	D 50	55	1480	97,6	0,83	S1		
IP55	690	Y 50	55	1479	58	0,84	S1		
Eff class IE2 400 V 50Hz : IE2 - 94,3(100%) - 94,3(75%) - 93,6(50%)									
Resistance Line				Insulation resistance at 54,0 °C		Overload			
Ambient: 21,0 °C				5500 MΩ 1000 V		Torque 160% 15s			
U ₁ - V ₁ 0,06841 Ω									
U ₁ - W ₁ 0,06846 Ω									
V ₁ - W ₁ 0,06845 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		400,1 D	50	38,2	1,26		1500	0,05	
Locked rotor test		74,7 D	50	101,0	4,60		0	0,35	
Thermal test (100% load)	355,1	400,3 D	50	101,0	58,2	55,0	1481	0,83	94,4
Partial load points:									
~75% load	265,7	400,0 D	50	79,6	43,6	41,3	1486	0,79	94,7
~50% load	178,7	400,2 D	50	60,7	29,3	27,5	1490	0,70	94,0
~25% load	86,9	400,1 D	50	45,7	15,2	13,8	1494	0,48	90,7
Temperature rise at rated load.			°C	K	Method		Measurement method		
Stator winding :			63,0	1			1 Resistance		
Frame :			35,1	2			2 Thermometer		
Bearing D-end :			48,7	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		4.2.2009					
Tested by ABB Oy, Motors and Generators, Vaasa, Finland						Telephone +358 10 2211		Telefax +358 10 22 47372	

Computer print-out valid without signature.