



Test Report				Date of issue: 28.8.2013					
				Serial No.: 3GF11094409					
				Type: M3GP 225SMC 6 IMB3/IM1001					
				Product Code: 3GGP223230-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	690	Y	50	37	983	40,5	0,83 S1		
Insul.cl.F	400	D	50	37	983	69,8	0,83 S1		
IP55	415	D	50	37	984	68	0,82 S1		
Eff class IE1		50Hz : IE1 - 92.1(100%) - 92.5(75%) - 92.1(50%)							
Resistance			Insulation resistance at 44,0 °C		Overload				
Line			3000 MΩ 1000 V		Torque 160 % 15s				
Ambient: 20,0 °C									
U ₁ - V ₁			0,13769 Ω						
U ₁ - W ₁			0,13790 Ω						
V ₁ - W ₁			0,13775 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	25,3	0,99		998	0,06	
Locked rotor test		87,0 D	50	69,7	4,14		0	0,39	
Thermal test (100% load)	359,5	400,2 D	50	69,6	40,3	37,0	985	0,84	91,8
Partial load points:									
~75% load	270,1	400,1 D	50	54,0	30,1	27,8	989	0,80	92,2
~50% load	179,8	400,1 D	50	40,2	20,1	18,5	994	0,72	92,2
~25% load	89,7	400,1 D	50	29,4	10,4	9,3	998	0,51	89,0
Temperature rise at rated load.			[°C]	[K]	Method		Measurement method		
Stator winding :				72,7	1		1 Resistance		
Frame :				32,7	2		2 Thermometer		
Bearing D-end :				50,1	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		6.2.2012				
Tested by ABB Oy, Motors and Generators, Vaasa, Finland						Telephone +358 10 2211 Telefax +358 10 22 47372			

Computer print-out valid without signature.