



Test Report				Date of issue: 17.3.2015							
				Serial No.:							
				Type: M3GP 225SMA 4 IMB3							
				Product code: 3GGP222210-ADL							
				Protection type: Ex tb IIIB/C T125C Db							
				Cert. No.: LCIE 13 ATEX 3067 X/							
				IECEX LCIE 13.0047 X							
Rating:											
				V	Hz	kW	r/min	A	cos φ	Duty	
3-Motor				690	Y 50	37	1482	39,8	0,83	S1	
Insul.cl.F				400	D 50	37	1482	68,9	0,83	S1	
IP65				415	D 50	37	1483	67,7	0,81	S1	
				440	D 60	37	1781	61,6	0,84	S1	
				460	D 60	37	1783	59,3	0,83	S1	
				50Hz: IE3-93.9%(100%)-94.1%(75%)-93.8%(50%)							
				60Hz: IE3-94,5%(100%)							
Resistance				Insulation resistance at 40 °C				Overload			
Line				2300 MΩ 1000 V				Torque 160% 15s			
U ₁ - V ₁				Ambient: 22 °C							
U ₁ - W ₁				0,09531 Ω							
V ₁ - W ₁				0,09537 Ω							
				0,09549 Ω							
				High-voltage test winding 2400 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	26,6	0,84		1498	0,05			
Locked rotor test		74,3 D	50	67,7	3,24		0	0,37			
Thermal test (100% load)	238,6	400,0 D	50	68,9	39,5	37,0	1482	0,83	93,7		
Partial load points:											
~75% load	178,9	400,0 D	50	54,2	29,5	27,8	1485	0,79	93,9		
~50% load	119,2	400,0 D	50	41,2	19,8	18,5	1490	0,69	93,6		
~25% load	59,5	400,0 D	50	31,1	10,2	9,25	1496	0,47	90,8		
Temperature rise at rated load.				°C	K	Method		Measurement method			
Stator winding :				75	1			1 Resistance			
Frame :				48	2			2 Thermocouples			
Bearing D-end :				54	2			3 Thermometer			
Ambient Temperature :				25	2						
These tests have been carried out on motor no. 3G1P141700187, on date 2014-10-03 which is identical in design with the above.											
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											
Tested by ABB Oy, Motors and Generators, Vaasa, Finland											
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