



Test Report				Date of issue: 28.8.2013							
				Serial No.: 3GF11094417							
				Type: M3GP 225SMA 8 IMB3/IM1001							
				Product Code: 3GGP224210-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	18,5	734	40	0,74	S1
Insul.cl.F				415	D	50	18,5	735	39,7	0,72	S1
IP55				690	Y	50	18,5	734	23,2	0,74	S1
				400 V 50Hz : 90.0(100%) - 90.3(75%) - 89.3(50%)							
Resistance				Insulation resistance at 40,0 °C				Overload			
Line				1900 MΩ 1000 V				Torque 160 % 15s			
U ₁ - V ₁				Ambient: 21,5 °C							
U ₁ - W ₁				0,34960 Ω							
V ₁ - W ₁				0,35000 Ω							
				0,34970 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		400,1 D	50	19,2	0,61		750	0,05			
Locked rotor test		107,7 D	50	40,1	2,31		0	0,31			
Thermal test (100% load)	240,7	400,1 D	50	39,2	20,4	18,5	735	0,75	90,5		
Partial load points:											
~75% load	180,4	400,1 D	50	31,9	15,2	13,9	739	0,69	91,2		
~50% load	120,4	400,1 D	50	25,7	10,2	9,25	743	0,57	90,7		
~25% load	60,1	400,0 D	50	21,1	5,34	4,62	747	0,37	86,6		
Temperature rise at rated load.				[°C]	[K]	Method	Measurement method				
Stator winding :				60,7	1	1 Resistance					
Frame :				36,4	2	2 Thermometer					
Bearing D-end :				39,3	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 11.3.2012											
Tested by ABB Oy, Motors and Generators, Vaasa, Finland Telephone +358 10 2211 Telefax +358 10 22 47372											

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