



Test Report				Date of issue: 11.6.2014							
				Serial No.: 3GF11057416							
				Type: M3GP 355SMC 6 IMB3/IM1001							
				Product Code: 3GGP353230-ADG							
				Protection type: Ex nA IIC T3 Gc							
				Cert. No.: LCIE 12 ATEX 1008X							
				IECEX LCI 07.0001X							
Rating:				V	Hz	kW	r/min	A	cos φ	Duty	
3~Motor Insul.cl.F IP55 Ambient temp. -40°C...+45°C				400	D 50	250	993	454	0,83	S1	
Resistance				Ambient: 20,5 °C				Insulation resistance at 64,0 °C		Overload	
Line				8000 MΩ				1000 V		Torque 160 % 15s	
U ₁ - V ₁				0,00666 Ω							
U ₁ - W ₁				0,00666 Ω							
V ₁ - W ₁				0,00667 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		399,9 D	50	158,0	4,35		1000	0,04			
Locked rotor test		76,7 D	50	453,6	18,0		0	0,30			
Thermal test (100% load)	2404,0	400,3 D	50	458,2	261,6	250,0	993	0,82	95,6		
Partial load points:											
~75% load	1800,5	400,1 D	50	357,6	195,9	187,5	995	0,79	95,7		
~50% load	1197,2	400,1 D	50	267,2	131,1	125,0	997	0,71	95,3		
~25% load	599,7	400,2 D	50	194,9	67,3	62,5	998	0,50	92,9		
Temperature rise at rated load.				°C	K	Method		Measurement method			
Stator winding :				66,2	1	1 Resistance					
Frame :				28,5	2	2 Thermometer					
Bearing D-end :				51,2	2	3 Thermocouples					
Rotor:				115,7	3						
Ambient Temperature :				25,0	2						
				Starting current (I _S / I _N) : 7,20							
				Locked rotor torque (T _L / T _N) : 2,79							
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		28.2.2011						
Tested by ABB Oy, Motors and Generators, Vaasa, Finland								Telephone +358 10 2211			
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