



Test Report				Date of issue: 11.6.2014						
				Serial No.: 3GF10044324						
				Type: M3GP 355SMA 4 IMV3/IM3031						
				Product Code: 3GGP352210-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. -20°C...+45°C				400	D 50	250	1488	437	0,86	S1
Resistance				Insulation resistance at 55,5 °C					Overload	
Line				12000 MΩ 1000 V					Speed 120 % 120s	
U <sub>1</sub> - V <sub>1</sub>				Ambient: 21,0 °C						
U <sub>1</sub> - W <sub>1</sub>				0,00635 Ω						
V <sub>1</sub> - W <sub>1</sub>				0,00635 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		400,0 D	50	131,3	4,29		1500	0,05		
Locked rotor test		74,1 D	50	437,0	15,6		0	0,28		
Thermal test (100% load)	1605,0	400,1 D	50	441,4	260,7	250,0	1488	0,85	95,9	
Partial load points:										
~75% load	1193,5	400,0 D	50	339,8	195,3	187,5	1491	0,83	96,0	
~50% load	795,2	400,1 D	50	247,7	130,9	125,0	1494	0,76	95,5	
~25% load	407,7	400,1 D	50	171,2	67,2	62,5	1497	0,57	93,0	
Temperature rise at rated load.				°C	K	Method		Measurement method		
Stator winding :				62,3	1	1 Resistance				
Frame :				25,6	2	2 Thermometer				
Bearing D-end :				48,2	2	3 Thermocouples				
Rotor:				96,7	3					
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		19.11.2010					
Tested by ABB Oy, Motors and Generators, Vaasa, Finland							Telephone +358 10 2211			
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