



Type Test Report				Date of issue: 12.6.2014					
				Serial No.: 3GP11020768					
				Order No.: 596095-30 / 30160173-1					
				Type: M3GP 355SMA 2 B3					
				Product Code: 3GGP351210-ADG					
				Protection type: Ex nA IIC T3 Gc					
				Cert. No.: LCIE 12 ATEX 1008X					
				IECEX LCI 07.0001X					
Rating:									
3-Motor		V	Hz	kW	r/min	A	cos φ	Duty	
Insul.cl.F		400	D	50	250,0	2984	0,89	S1	
IP55									
Resistance				Insulation resistance at 49,5 °C		Overload			
Line		Ambient: 20,0 °C		1500 MΩ		1000 V			
U ₁ - V ₁		0,00471 Ω				Torque 160 % 15s			
U ₁ - W ₁		0,00472 Ω							
V ₁ - W ₁		0,00472 Ω							
				High-voltage test winding		1900 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 D	50	106,2	5,133		3000	0,0698	
Locked rotor test		59,6 D	50	424,9	10,41		0	0,2374	
Thermal test (100% load)	800,1	400,3 D	50	422,4	259,07	250,00	2985	0,89	96,50
Partial load points:									
~75% load	602,3	400,3 D	50	325,1	194,81	187,50	2990	0,87	96,20
~50% load	398,7	400,4 D	50	233,7	131,10	125,00	2993	0,81	95,30
~25% load	199,2	400,4 D	50	153,8	67,88	62,50	2997	0,64	92,10
Temperature rise at rated load.			[°C]	[K]	Method		Measurement method		
Stator winding :				50,6	1		1 Resistance		
Frame :				21,8	2		2 Thermometer		
Bearing D-end :				36,9	2		3 Thermocouples		
Ambient Temperature :			25		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			28.10.2011			
Tested by ABB Oy, Motors and Generators, Vaasa, Finland						Telephone +358 10 2211			
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