



Test Report				Date of issue: 11.6.2014					
				Serial No.: 3GF10023010					
				Type: M3GP 355SMC 2 IMB3/IM1001					
				Product Code: 3GGP351230-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	690	Y 50	355	2984	350	0,88	S1		
Insul.cl.F	400	D 50	355	2984	604	0,88	S1		
IP55	660	Y 50	355	2981	364	0,89	S1		
	380	D 50	355	2981	632	0,89	S1		
	415	D 50	355	2985	582	0,88	S1		
	440	D 60	410	3580	628	0,89	S1		
Resistance				Insulation resistance at 69,5 °C			Overload		
Line		Ambient: 22,5 °C		12000 MΩ 1000 V		Torque 160 % 15s			
U ₁ - V ₁		0,00354 Ω							
U ₁ - W ₁		0,00355 Ω							
V ₁ - W ₁		0,00355 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	149,3	5,91		3000	0,06	
Locked rotor test		62,5 D	50	603,6	17,6		0	0,27	
Thermal test (100% load)	1136,0	400,3 D	50	605,5	366,2	355,0	2985	0,87	96,9
Partial load points:									
~75% load	852,0	400,2 D	50	464,2	275,1	266,3	2989	0,86	96,8
~50% load	567,0	400,2 D	50	332,2	184,7	177,5	2993	0,80	96,1
~25% load	284,5	400,2 D	50	217,1	95,0	88,8	2997	0,63	93,4
Temperature rise at rated load.				°C	K	Method		Measurement method	
Stator winding :				70,4	1	1 Resistance			
Frame :				31,3	2	2 Thermometer			
Bearing D-end :				54,8	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		20.4.2010					
Tested by ABB Oy, Motors and Generators, Vaasa, Finland						Telephone +358 10 2211		Telefax +358 10 22 47372	

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