



Test Report				Date of issue: 11.6.2014					
				Serial No.: 3GF10045532					
				Type: M3GP 355SMB 2 IMB3/IM1001					
				Product Code: 3GGP351220-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	315	2980	309	0,89	S1		
Insul.cl.F	400	D 50	315	2980	533	0,89	S1		
IP55	660	Y 50	315	2978	323	0,89	S1		
	380	D 50	315	2978	561	0,89	S1		
	415	D 50	315	2982	514	0,89	S1		
	440	D 60	362	3576	558	0,89	S1		
Resistance				Insulation resistance at 46,0 °C			Overload		
Line		Ambient: 21,0 °C		20000 MΩ 1000 V		Torque 160 % 15s			
U <sub>1</sub> - V <sub>1</sub>		0,00439 Ω							
U <sub>1</sub> - W <sub>1</sub>		0,00440 Ω							
V <sub>1</sub> - W <sub>1</sub>		0,00438 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		400,1 D	50	124,7	5,73		3000	0,07	
Locked rotor test		66,1 D	50	533,0	16,3		0	0,27	
Thermal test (100% load)	1009,0	400,4 D	50	529,4	327,5	315,0	2980	0,89	96,2
Partial load points:									
~75% load	755,5	400,6 D	50	404,0	245,7	236,3	2986	0,88	96,1
~50% load	501,0	400,8 D	50	287,1	164,9	157,5	2991	0,83	95,5
~25% load	254,5	400,9 D	50	184,7	84,9	78,8	2996	0,66	92,8
Temperature rise at rated load.				°C	K	Method		Measurement method	
Stator winding :				66,7	1			1 Resistance	
Frame :				31,4	2			2 Thermometer	
Bearing D-end :				49,9	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		17.2.2011					
Tested by ABB Oy, Motors and Generators, Vaasa, Finland						Telephone +358 10 2211			
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