



Test Report				Date of issue: 19.11.2015					
				Type: M3JM 355SMA 2					
				Product Code: 3GJM351210-_DL					
				Protection type: Ex d I Mb					
				Cert. No.: LCIE 10 ATEX 3089 X /					
				IECEX LCI 04.0008X					
Rating:									
	V	Hz	kW	r/min	A	cos φ	Duty		
3~Motor	690	Y 50	250	2985	245	0,89	S1		
Insul.cl.F	400	D 50	250	2985	423	0,89	S1		
IP66	415	D 50	250	2985	410	0,88	S1		
	440	D 60	250	3584	386	0,89	S1		
	460	D 60	250	3586	373	0,89	S1		
Eff class IE3		50Hz : IE3-95.8%(100%)-95.6%(75%)-94.6%(50%)							
		60Hz : IE3-95.8%(100%)							
Resistance				Insulation resistance at 49 °C		Overload			
Line		Ambient: 23 °C		1300 MΩ 1000 V		Torque 160% 15s			
U ₁ - V ₁		0,00472 Ω							
U ₁ - W ₁		0,00473 Ω							
V ₁ - W ₁		0,00473 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]	η[r/min]	cos φ	η [%]
No load test		400,1 D	50	106,0	5,30		3000	0,07	
Locked rotor test		59,8 D	50	422,6	11,1		0	0,25	
Thermal test (100% load)	800,1	400,4 D	50	422,9	259,6	250,0	2985	0,89	96,3
Partial load points:									
~75% load	598,1	400,6 D	50	325,1	195,2	187,5	2989	0,87	96,1
~50% load	401,1	400,7 D	50	234,1	131,4	125,0	2993	0,81	95,2
~25% load	199,5	400,8 D	50	154,6	68,1	62,5	2997	0,64	91,8
Temperature rise at rated load.				°C	[K]	Method		Measurement method	
Stator winding :				52	1			1 Resistance	
Frame :				24	2			2 Thermocouples	
Bearing D-end :				41	2			3 Thermometer	
Ambient Temperature :				25	2				
<p>These tests have been carried out on motor no. 3GF13117609, on date 2012-08-15 which is identical in design with the above.</p> <p>Manufactured and tested in accordance with rules of IEC 60034-1 and IEC 60034-2-1. PLL determined from residual loss.</p> <p>On behalf of customer</p> <p>On behalf of manufacturer</p> <p>Tested by ABB Oy, Motors and Generators, Vaasa, Finland</p>									
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