



Test Report				Date of issue: 19.11.2015					
				Type: M3JM 355SMC 6					
				Product Code: 3GJM353230-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	993	269	0,81	S1	
Insul.cl.F		400	D 50	250	993	464	0,81	S1	
IP66		415	D 50	250	994	459	0,79	S1	
		440	D 60	250	1193	417	0,82	S1	
		460	D 60	250	1194	408	0,81	S1	
Eff class IE3		50Hz : IE3 - 95.8%(100%) - 96.1%(75%) - 95.8%(50%)							
		60Hz : IE3 - 95.8%(100%)							
Resistance				Insulation resistance at 50 °C		Overload			
Line		Ambient: 23 °C		5000 MΩ 1000 V		Torque 160% 15s			
U ₁ - V ₁		0,00666 Ω							
U ₁ - W ₁		0,00666 Ω							
V ₁ - W ₁		0,00667 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		400,0 D	50	188,4	3,26		1000	0,03	
Locked rotor test		71,4 D	50	463,1	16,2		0	0,28	
Thermal test (100% load)	2404	400,5 D	50	464,3	259,3	250,0	994	0,81	96,4
Partial load points:									
~75% load	1813	400,6 D	50	368,3	194,1	187,5	996	0,76	96,6
~50% load	1198	400,8 D	50	283,9	129,7	125,0	997	0,66	96,4
~25% load	592,3	400,9 D	50	218,5	66,1	62,5	999	0,44	94,5
Temperature rise at rated load.				°C	[K]	Method		Measurement method	
Stator winding :				57	1			1 Resistance	
Frame :				25	2			2 Thermocouples	
Bearing D-end :				41	2			3 Thermometer	
Rotor :				80	3				
Ambient Temperature :				25	2				
<p>These tests have been carried out on motor no. 3GF13172076, on date 2013-08-22 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>									
On behalf of customer									
On behalf of manufacturer				Date of test		22.8.2013			
Tested by ABB Oy, Motors and Generators, Vaasa, Finland						Telephone +358 10 2211			
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