



<b>Test Report</b>				Date of issue: 19.11.2015					
				Type: M3JM 315LKB 2					
				Product Code: 3GJM311820-_DL					
				Protection type: Ex d I Mb					
				Cert. No.: LCIE 11 ATEX 3090 X /					
				IECEX LCI 04.0007X					
Rating:									
		V	Hz	kW	r/min	A	cos φ	Duty	
3~Motor		690	Y 50	250	2983	243	0,90	S1	
Insul.cl.F		400	D 50	250	2983	419	0,90	S1	
IP66		415	D 50	250	2984	407	0,89	S1	
		440	D 60	250	3584	377	0,91	S1	
		460	D 60	250	3585	364	0,90	S1	
Eff class IE3		50Hz : IE3-95.8%(100%)-96.0%(75%)-95.6%(50%)							
		60Hz : IE3-95.8%(100%)							
Resistance				Insulation resistance at 48 °C		Overload			
Line		Ambient: 24 °C		19000 MΩ 1000 V		Torque 160% 15s			
U <sub>1</sub> - V <sub>1</sub>		0,00645 Ω							
U <sub>1</sub> - W <sub>1</sub>		0,00647 Ω							
V <sub>1</sub> - W <sub>1</sub>		0,00644 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		400,0 D	50	87,3	3,86		3000	0,06	
Locked rotor test		59,9 D	50	412,2	13,52		0	0,32	
Thermal test (100% load)	800,4	400,1 D	50	419,4	260,3	250,0	2984	0,90	96,0
Partial load points:									
-75% load	599,2	400,2 D	50	318,2	194,9	187,5	2988	0,88	96,2
-50% load	398,8	400,2 D	50	223,5	130,4	125,0	2993	0,84	95,8
-25% load	199,1	400,3 D	50	140,4	66,8	62,5	2997	0,69	93,6
Temperature rise at rated load.				°C	[K]	Method	Measurement method		
		Stator winding :		67	1	1 Resistance			
		Frame :		33	2	2 Thermocouples			
		Bearing D-end :		47	2	3 Thermometer			
		Rotor :		97	3				
		Ambient Temperature :		25	2				
<p>These tests have been carried out on motor no. 3GF13170391, on date 2013-08-26 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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