



Test Report				Date of issue: 19.11.2015					
				Type: M3JM 355MLA 2					
				Product Code: 3GJM351410-DK					
				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	355	2981	340	0,90	S1		
Insul.cl.F	400	D 50	355	2981	595	0,90	S1		
IP66	660	Y 50	355	2980	360	0,90	S1		
	380	D 50	355	2980	626	0,90	S1		
	415	D 50	355	2984	579	0,89	S1		
	460	D 60	355	3583	518	0,90	S1		
Eff class IE3		50Hz : IE3 - 96.4%(100%)-96.5%(75%)-96.1%(50%)							
		60Hz : IE3 - 96.1%(100%)							
Resistance				Insulation resistance at 45 °C					
Line		Ambient: 19 °C		5000 MΩ		1000 V			
U <sub>1</sub> - V <sub>1</sub>		0,00365 Ω							
U <sub>1</sub> - W <sub>1</sub>		0,00365 Ω							
V <sub>1</sub> - W <sub>1</sub>		0,00366 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	136,4	4,06		3000	0,04	
Locked rotor test		68,1 D	50	588,7	19,8		0	0,29	
Thermal test (100% load)	1137	400,3 D	50	594,5	366,2	355,0	2981	0,89	96,9
Partial load points:									
~75% load	852,0	400,5 D	50	452,0	274,3	266,3	2986	0,88	97,1
~50% load	567,6	400,3 D	50	319,8	183,4	177,5	2991	0,83	96,8
~25% load	280,6	400,3 D	50	204,2	93,4	88,8	2996	0,66	95,1
Temperature rise at rated load.				°C	[K]	Method		Measurement method	
Stator winding :				70	1	1		1 Resistance	
Frame :				23	2	2		2 Thermocouples	
Bearing D-end :				32	2	2		3 Thermometer	
Rotor:				97	3				
Ambient Temperature :				25	2				
<p>These tests have been carried out on motor no. 3GF11094701, on date 2012-02-05 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> <p>Telephone +358 10 2211 Telefax +358 10 22 47372</p>									

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