



Test Report				Date of issue: 19.11.2015						
				Type: M3JM 355MLA 4						
				Product Code: 3GJM352410-_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	1491	357	0,87	S1		
Insul.cl.F		400	D 50	355	1491	616	0,87	S1		
IP66		660	Y 50	355	1490	369	0,87	S1		
		380	D 50	355	1490	641	0,87	S1		
		415	D 50	355	1492	607	0,85	S1		
		460	D 60	355	1792	542	0,86	S1		
Eff class IE3		50Hz : IE3 - 96.6%(100%)-96.8%(75%)-96.5%(50%) 60Hz : IE3 - 96.7%(100%)								
Resistance				Insulation resistance at 45,0 °C			Overload			
Line		Ambient: 21,5 °C		25000 MΩ		1000 V		Torque 160 % 15s		
U ₁ - V ₁		0,00360 Ω								
U ₁ - W ₁		0,00361 Ω								
V ₁ - W ₁		0,00361 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		399,9 D	50	211,0	3,71		1500	0,03		
Locked rotor test		64,3 D	50	616,6	21,1		0	0,31		
Thermal test (100% load)	2274	401,1 D	50	615,6	366,3	355,0	1491	0,86	96,9	
Partial load points:										
~75% load	1707	400,5 D	50	479,7	274,3	266,3	1493	0,83	97,1	
~50% load	1142	400,4 D	50	356,7	183,3	177,5	1496	0,74	96,8	
~25% load	565,5	400,4 D	50	257,8	93,2	88,8	1498	0,52	95,2	
Temperature rise at rated load.				[°C]	[K]	Method		Measurement method		
Stator winding :				55	1			1 Resistance		
Frame :				24	2			2 Thermocouples		
Bearing D-end :				41	2			3 Thermometer		
Rotor :				88	3					
Ambient Temperature :				25	2					
<p>These tests have been carried out on motor no. 3GF11094699, on date 2011-11-30 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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