



Test Report				Date of issue: 20.11.2015					
				Type: M3JM 355LKA 6					
				Product Code: 3GJM353810-_DG					
				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	992	381	0,81	S1		
Insul.cl.F	400	D 50	355	992	658	0,81	S1		
IP66	415	D 50	355	993	651	0,79	S1		
Eff class IE2									
50Hz: IE2 - 95,7%(100%) - 95,9%(75%) - 95,4%(50%)									
Resistance				Insulation resistance at 48 °C		Overload			
Line Ambient: 20 °C				1000 MΩ 1000 V		Torque 160 % 15s			
U <sub>1</sub> - V <sub>1</sub> 0,00456 Ω									
U <sub>1</sub> - W <sub>1</sub> 0,00457 Ω									
V <sub>1</sub> - W <sub>1</sub> 0,00457 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		400,1 D	50	265,5	5,60		1000	0,03	
Locked rotor test		67,5 D	50	645,3	22,6		0	0,30	
Thermal test (100% load)	3418	400,6 D	50	656,2	370,0	355,0	993	0,81	96,0
Partial load points:									
~75% load	2558	400,7 D	50	520,5	277,0	266,3	995	0,77	96,1
~50% load	1709	401,0 D	50	401,2	185,4	177,5	997	0,67	95,7
~25% load	855,0	401,2 D	50	308,6	95,0	88,8	999	0,44	93,5
Temperature rise at rated load.				[°C]	[K]	Method		Measurement method	
Stator winding :				58	1			1 Resistance	
Frame :				34	2			2 Thermocouples	
Bearing D-end :				44	2			3 Thermometer	
Ambient Temperature :				25	2				
Starting current (I <sub>S</sub> / I <sub>N</sub> ) : 7,58									
Locked rotor torque (T <sub>I</sub> / T <sub>N</sub> ) : 2,95									
These tests have been carried out on motor no. 3GF11061011, on date 2011-02-23, which is identical in electrical design with the above.									
Manufactured and tested in accordance with rules of IEC 60034-1 and IEC 60034-2-1. PLL determined from residual loss.									
On behalf of customer									
On behalf of manufacturer									
Tested by ABB Oy, Motors and Generators, Vaasa, Finland						Telephone +358 10 2211		Telefax +358 10 22 47372	

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