



Test Report				Date of issue: 25.11.2015						
				Type: M3JM 225SMB 6						
				Product Code: 3GJM223220-_DG						
				Protection type: Ex d I Mb						
				Cert. No.: LCIE 10 ATEX 3057X / IECEx LCI 04.0005X						
Rating:										
		V	Hz	kW	r/min	A	cos φ	Duty		
3~Motor		690	Y 50	30	985	33,6	0,82	S1		
Insul.cl.F		400	D 50	30	985	57,9	0,82	S1		
IP66		415	D 50	30	986	57,3	0,81	S1		
Eff class IE2		50Hz: IE2 - 92.2%(100%) - 92.7%(75%) - 92.4%(50%)								
Resistance				Insulation resistance at 33 °C			Overload			
Line		Ambient: 22 °C		6000 MΩ		1000 V		Torque 160 % 15s		
U ₁ - V ₁		0,16727 Ω								
U ₁ - W ₁		0,16729 Ω								
V ₁ - W ₁		0,16750 Ω								
				High-voltage test winding			2900 V		1 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	24,0	0,83		998	0,05		
Locked rotor test		85,0 D	50	57,2	3,44		0	0,41		
Thermal test (100% load)	290,9	400,0 D	50	57,9	32,6	30,0	984	0,81	92,1	
Partial load points:										
~75% load	218,1	400,0 D	50	45,5	24,3	22,5	988	0,77	92,6	
~50% load	145,4	400,1 D	50	34,7	16,3	15,0	993	0,68	92,3	
~25% load	72,6	400,0 D	50	26,5	8,45	7,50	996	0,46	88,8	
Temperature rise at rated load.				°C	[K]	Method		Measurement method		
Stator winding :				69	1			1 Resistance		
Frame :				39	2			2 Thermocouples		
Bearing D-end :				49	2			3 Thermometer		
Ambient Temperature :				25	2					
<p>These tests have been carried out on motor no. 3GF12103382, on date 2012-02-24, which is identical in electrical 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										
Tested by ABB Oy, Motors and Generators, Vaasa, Finland						Telephone +358 10 2211 Telefax +358 10 22 47372				

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