



Test Report				Date of issue: 25.11.2015					
				Type: M3JM 250SMB 6					
				Product Code: 3GJM253220-_DG					
				Protection type: Ex d I Mb					
				Cert. No.: LCIE 10 ATEX 3063X / IECEX LCI 04.0012X					
Rating:									
		V	Hz	kW	r/min	A	cos φ	Duty	
3~Motor		690	Y 50	45	986	48,4	0,84	S1	
Insul.cl.F		400	D 50	45	986	84	0,84	S1	
IP66		415	D 50	45	987	82,3	0,81	S1	
Eff class IE2		50Hz: IE2 - 93.1%(100%) - 93.4%(75%) - 93,2%(50%)							
Resistance				Insulation resistance at 38 °C			Overload		
Line		Ambient: 12 °C		3800 MΩ		1000 V		Torque 160 % 15s	
U ₁ - V ₁		0,00883 Ω							
U ₁ - W ₁		0,00883 Ω							
V ₁ - W ₁		0,00883 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	28,8	1,02		1000	0,05	
Locked rotor test		83,0 D	50	85,0	4,58		0	0,37	
Thermal test (100% load)	435,9	400,1 D	50	83,9	48,5	45,0	987	0,84	92,7
Partial load points:									
~75% load	326,8	400,1 D	50	65,1	36,2	33,8	990	0,80	93,1
~50% load	218,1	400,1 D	50	48,3	24,2	22,5	994	0,72	92,9
~25% load	108,4	400,1 D	50	34,9	12,6	11,3	996	0,52	89,6
Temperature rise at rated load.				°C	[K]	Method		Measurement method	
Stator winding :				56	1			1 Resistance	
Frame :				32	2			2 Thermocouples	
Bearing D-end :				44	2			3 Thermometer	
Ambient Temperature :				25	2				
<p>These tests have been carried out on motor no. 3GF11094422, on date 2012-02-04, 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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