



Test Report				Date of issue: 25.11.2015					
				Type: M3JM 200MLC 4					
				Product Code: 3GJM202430_DG					
				Protection type: Ex d I Mb					
				Cert. No.: LCIE 10 ATEX 3061X / IECEX LCI 04.0011X					
Rating:									
		V	Hz	kW	r/min	A	cos φ	Duty	
3~Motor		690	Y 50	37	1475	40,6	0,82	S1	
Insul.cl.F		400	D 50	37	1475	70,5	0,82	S1	
IP66		415	D 50	37	1477	69,3	0,81	S1	
Eff class IE2		50Hz : IE2 - 92.8%(100%) - 93.0%(75%) - 92.2%(50%)							
Resistance				Insulation resistance at 50 °C			Overload		
Line		Ambient: 25 °C		4000 MΩ		1000 V		Torque 160% 15s	
U ₁ - V ₁		0,11791 Ω							
U ₁ - W ₁		0,11788 Ω							
V ₁ - W ₁		0,11786 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]	η[r/min]	cos φ	η [%]
No load test		400,0 D	50	29,2	1,11		1500	0,06	
Locked rotor test		81,5 D	50	70,0	3,66		0	0,37	
Thermal test (100% load)	239,6	400,1 D	50	70,5	39,9	37,0	1480	0,82	92,8
Partial load points:									
~75% load	179,7	400,2 D	50	56,0	29,9	27,8	1484	0,77	92,9
~50% load	119,8	400,1 D	50	43,2	20,1	18,5	1489	0,67	92,1
~25% load	59,8	400,1 D	50	33,4	10,5	9,25	1494	0,45	88,1
Temperature rise at rated load.				°C	K	Method		Measurement method	
Stator winding :				69	1			1 Resistance	
Frame :				42	2			2 Thermocouples	
Bearing N-end :				49	2			3 Thermometer	
Ambient Temperature :				25	2				
<p>These tests have been carried out on motor no. 0929-010207203, on date 2009-08-26, 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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