



Test Report				Date of issue: 25.11.2015					
				Type: M3JM 200MLC 2					
				Product Code: 3GJM201430_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	2954	37,6	0,89	S1		
Insul.cl.F	400	D 50	37	2954	64,7	0,89	S1		
IP66	415	D 50	37	2958	63,1	0,88	S1		
Eff class IE2 50Hz : IE2 - 93.6%(100%) - 94.0%(75%) - 93.4%(50%)									
Resistance				Insulation resistance at 56 °C		Overload			
Line	Ambient: 22 °C			3500 MΩ 1000 V		Torque 160 % 15s			
U ₁ - V ₁	0,09192 Ω								
U ₁ - W ₁	0,09179 Ω								
V ₁ - W ₁	0,09189 Ω								
				High-voltage test winding 1900 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		400,1 D	50	15,9	0,93		3000	0,08	
Locked rotor test		73,4 D	50	65,1	2,90		0	0,35	
Thermal test (100% load)	119,9	400,1 D	50	64,7	39,6	37,0	2954	0,88	93,5
Partial load points:									
~75% load	89,2	400,0 D	50	49,3	29,6	27,8	2968	0,87	93,9
~50% load	59,4	400,0 D	50	35,2	19,8	18,5	2979	0,81	93,3
~25% load	30,1	400,1 D	50	22,9	10,28	9,25	2989	0,65	89,9
Temperature rise at rated load.				[°C]	[K]	Method		Measurement method	
Stator winding :				71	1			1 Resistance	
Frame :				28	2			2 Thermocouples	
Bearing D-end :				44	2			3 Thermometer	
Rotor:				83	3				
Ambient Temperature :				25	2				
<p>These tests have been carried out on motor no. 0908-010290845A, on date 2009-03-26, 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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