



Test Report				Date of issue: 25.11.2015					
				Type: M3JM 200MLA 6					
				Product Code: 3GJM203410_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	18,5	983	20,8	0,82	S1	
Insul.cl.F		400	D 50	18,5	983	36,2	0,82	S1	
IP66		415	D 50	18,5	984	35,6	0,80	S1	
Eff class IE2		50Hz : IE2 - 90.5%(100%) - 90.9%(75%) - 90.2%(50%)							
Resistance				Insulation resistance at 63 °C			Overload		
Line		Ambient: 24 °C		2000 MΩ		1000 V		Torque 160 % 15s	
U ₁ - V ₁		0,33970 Ω							
U ₁ - W ₁		0,33960 Ω							
V ₁ - W ₁		0,33950 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		400,0 D	50	15,3	0,71		1000	0,07	
Locked rotor test		83,5 D	50	36,2	2,35		0	0,45	
Thermal test (100% load)	179,7	400,2 D	50	36,2	20,4	18,5	983	0,82	90,6
Partial load points:									
~75% load	134,0	400,2 D	50	28,7	15,2	13,9	989	0,77	91,0
~50% load	88,7	400,2 D	50	22,3	10,3	9,25	993	0,66	90,3
~25% load	43,9	400,4 D	50	17,5	5,41	4,62	997	0,45	85,5
Temperature rise at rated load.				°C	[K]	Method		Measurement method	
Stator winding :				66	1			1 Resistance	
Frame :				44	2			2 Thermocouples	
Bearing D-end :				38	2			3 Thermometer	
Ambient Temperature :				25	2				
<p>These tests have been carried out on motor no. 3GF11078516, on date 2011-08-20, 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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