



Test Report				Date of issue: 25.11.2015						
				Type: M3JM 180MLC 4						
				Product Code: 3GJM182430-_DH						
				Protection type: Ex d I Mb						
				Cert. No.: LCIE 11 ATEX 3088X / IECEx LCI 09.0009X						
Rating:										
		V	Hz	kW	r/min	A	cos φ	Duty		
3~Motor		690	Y 50	30	1466	34,4	0,81	S1		
Insul.cl.F		400	D 50	30	1466	59,6	0,81	S1		
IP66		415	D 50	30	1468	59,4	0,78	S1		
Eff class IE1		50Hz : IE1 - 91.4%(100%) - 91.5%(75%) - 90.6%(50%)								
Resistance				Insulation resistance at 37 °C				Overload		
Line		Ambient: 22 °C		8000 MΩ		1000 V		Torque 160 % 15s		
U ₁ - V ₁		0,14279 Ω								
U ₁ - W ₁		0,14300 Ω								
V ₁ - W ₁		0,14277 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]	η[r/min]	cos φ	η [%]	
No load test		400,0	D 50	27,3	1,09		1498	0,06		
Locked rotor test		86,3	D 50	57,9	3,05		0	0,35		
Thermal test (100% load)	194,5	400,1	D 50	59,4	33,0	30,0	1466	0,80	90,9	
Partial load points:										
~75% load	145,9	400,0	D 50	47,7	24,6	22,5	1476	0,75	91,4	
~50% load	97,0	400,1	D 50	37,7	16,6	15,0	1483	0,63	90,6	
~25% load	48,6	400,1	D 50	30,3	8,72	7,50	1491	0,42	86,0	
Temperature rise at rated load.				[°C]	[K]	Method		Measurement method		
Stator winding :				89	1			1 Resistance		
Frame :				38	2			2 Thermocouples		
Bearing D-end :				52	2			3 Thermometer		
Rotor:				113	3					
Ambient Temperature :				25	2					
<p>These tests have been carried out on motor no. 3GF11094436, on date 2012-02-06, 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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