



Test Report				Date of issue: 25.11.2015						
				Type: M3JM 180MLB 8						
				Product Code: 3GJM184420-_DH						
				Protection type: Ex d I Mb						
				Cert. No.: LCIE 11 ATEX 3088 X / IECEX LCI 09.0009X						
Rating:										
		V	Hz	kW	r/min	A	cos φ	Duty		
3-Motor		690	Y 50	7,5	734	12	0,60	S1		
Insul.cl.F		400	D 50	7,5	734	20,7	0,60	S1		
IP66		415	D 50	7,5	734	20,8	0,57	S1		
Eff class IE3		50Hz: IE3 - 87,9%(100%) - 86,7%(75%) - 83,2%(50%)								
Resistance				Insulation resistance at 46 °C			Overload			
Line		Ambient: 22 °C		2000 MΩ		1000 V		Torque 160% 15s		
U ₁ - V ₁		0,41920 Ω								
U ₁ - W ₁		0,41910 Ω								
V ₁ - W ₁		0,41930 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		400,4	D 50	15,1	0,56		750	0,05		
Locked rotor test		90,5	D 50	21,0	1,05		0	0,32		
Thermal test (100% load)	97,6	400,2	D 50	20,7	8,52	7,50	734	0,60	88,1	
Partial load points:										
~75% load	74,4	400,2	D 50	18,5	6,45	5,62	738	0,50	87,3	
~50% load	47,4	400,3	D 50	16,6	4,42	3,75	743	0,38	84,8	
~25% load	24,7	400,2	D 50	15,4	2,47	1,87	746	0,23	75,9	
Temperature rise at rated load.				[°C]	[K]	Method		Measurement method		
		Stator winding :		38	1			1 Resistance		
		Frame :		20	2			2 Thermocouples		
		Bearing D-end :		25	2			3 Thermometer		
		Ambient Temperature :		25	2					
<p>These tests have been carried out on motor no. 3GF12117593, on date 2012-06-17, 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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