



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 3088X / IECEX LCI 09.0009X						
Rating:										
		V	Hz	kW	r/min	A	cos φ	Duty		
3-Motor		690	Y 50	11	723	14,8	0,72	S1		
Insul.cl.F		400	D 50	11	723	25,5	0,72	S1		
IP66		415	D 50	11	725	25,3	0,70	S1		
Eff class IE2		50Hz : IE2 - 88.3%(100%) - 89.2%(75%) - 88.7%(50%)								
Resistance				Insulation resistance at 60 °C			Overload			
Line		Ambient: 24 °C		1481 MΩ		1000 V		Torque 160% 15s		
U ₁ - V ₁		0,43050 Ω								
U ₁ - W ₁		0,43050 Ω								
V ₁ - W ₁		0,43060 Ω								
				High-voltage test winding 1800 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	14,0	0,50		748	0,05		
Locked rotor test		111,7	D 50	24,4	1,46		0	0,31		
Thermal test (100% load)	145,9	400,1	D 50	25,5	12,5	11,0	723	0,71	87,8	
Partial load points:										
~75% load	109,3	400,1	D 50	21,2	9,31	8,25	731	0,64	88,7	
~50% load	73,1	400,0	D 50	17,5	6,24	5,50	738	0,51	88,2	
~25% load	36,4	400,1	D 50	15,0	3,31	2,75	744	0,32	83,1	
Temperature rise at rated load.				[°C]	[K]	Method		Measurement method		
Stator winding :				56	1			1 Resistance		
Frame :				37	2			2 Thermocouples		
Bearing D-end :				42	2			3 Thermometer		
Ambient Temperature :				25	2					
<p>These tests have been carried out on motor no. 3GF10029779, on date 2010-08-17, 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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