



Test Report				Date of issue: 25.11.2015						
				Type: M3JM 200MLB 6						
				Product Code: 3GJM203420-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	22	983	24,8	0,82	S1		
Insul.cl.F		400	D 50	22	983	42,8	0,82	S1		
IP66		415	D 50	22	984	42,3	0,81	S1		
Eff class IE2		50Hz: IE2 - 91.6%(100%) - 92.0%(75%) - 91.5%(50%)								
Resistance				Insulation resistance at 52 °C			Overload			
Line		Ambient: 22 °C		3600 MΩ			1000 V		Torque 160 % 15s	
U <sub>1</sub> - V <sub>1</sub>		0,26960 Ω								
U <sub>1</sub> - W <sub>1</sub>		0,26940 Ω								
V <sub>1</sub> - W <sub>1</sub>		0,26950 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]	n[r/min]	cos φ	η [%]	
No load test		400,0 D	50	17,3	0,81		998	0,07		
Locked rotor test		84,7 D	50	42,4	2,67		0	0,43		
Thermal test (100% load)	213,7	400,1 D	50	42,8	24,4	22,0	983	0,82	90,3	
Partial load points:										
~75% load	160,3	400,1 D	50	33,7	18,2	16,5	987	0,78	90,8	
~50% load	106,8	400,0 D	50	25,8	12,2	11,0	992	0,68	90,2	
~25% load	53,4	400,0 D	50	19,7	6,42	5,50	996	0,47	85,7	
Temperature rise at rated load.				[°C]	[K]	Method		Measurement method		
Stator winding :				73	1			1 Resistance		
Frame :				46	2			2 Thermocouples		
Bearing D-end :				58	2			3 Thermometer		
Ambient Temperature :				25	2					
<p>These tests have been carried out on motor no. 3GF11094434, on date 2011-12-08, 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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