



Test Report				Date of issue: 25.11.2015						
				Type: M3JM 200MLB 8						
				Product Code: 3GJM204420-_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	734	22,5	0,80	S1		
Insul.cl.F		400	D 50	18,5	734	37,1	0,80	S1		
IP66		415	D 50	18,5	735	36,8	0,78	S1		
Eff class IE2		50Hz : IE2 - 89.2%(100%) - 89.8%(75%) - 88.8%(50%)								
Resistance				Insulation resistance at 35 °C			Overload			
Line		Ambient: 18 °C		8000 MΩ		1000 V		Torque 160 % 15s		
U <sub>1</sub> - V <sub>1</sub>		0,40740 Ω								
U <sub>1</sub> - W <sub>1</sub>		0,40780 Ω								
V <sub>1</sub> - W <sub>1</sub>		0,40770 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		400,1 D	50	16,4	0,68		750	0,06		
Locked rotor test		91,2 D	50	37,1	2,20		0	0,38		
Thermal test (100% load)	240,7	400,1 D	50	37,1	20,8	18,5	733	0,81	88,8	
Partial load points:										
~75% load	180,3	400,0 D	50	29,6	15,5	13,9	738	0,76	89,4	
~50% load	120,2	400,1 D	50	23,1	10,5	9,25	743	0,65	88,4	
~25% load	60,1	400,0 D	50	18,3	5,59	4,62	746	0,44	82,7	
Temperature rise at rated load.				°C	K	Method		Measurement method		
Stator winding :				59	1			1 Resistance		
Frame :				37	2			2 Thermocouples		
Bearing D-end :				47	2			3 Thermometer		
Ambient Temperature :				25	2					
<p>These tests have been carried out on motor no. 3GF11094432, on date 2012-02-04, 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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