



Test Report				Date of issue: 25.11.2015					
				Type: M3JM 200MLB 4					
				Product Code: 3GJM202420_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	30	1471	29,9	0,84	S1		
Insul.cl.F	400	D 50	30	1471	55,0	0,84	S1		
IP66	415	D 50	30	1473	53,6	0,83	S1		
Eff class IE2 50Hz : IE2 - 92.5%(100%) - 93.2%(75%) - 93.1%(50%)									
Resistance				Insulation resistance at 58 °C		Overload			
Line Ambient: 20 °C				10000 MΩ 1000 V		Torque 160% 15s			
U <sub>1</sub> - V <sub>1</sub> 0,15030 Ω									
U <sub>1</sub> - W <sub>1</sub> 0,15040 Ω									
V <sub>1</sub> - W <sub>1</sub> 0,15060 Ω									
				High-voltage test winding 1900 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	18,8	0,57		1500	0,04	
Locked rotor test		89,0 D	50	56,3	3,24		0	0,37	
Thermal test (100% load)	194,2	400,5 D	50	55,0	32,0	30,0	1477	0,84	93,6
Partial load points:									
~75% load	146,2	400,2 D	50	42,8	23,9	22,5	1482	0,81	94,2
~50% load	97,3	400,2 D	50	31,8	15,9	15,0	1488	0,72	94,1
~25% load	46,6	400,3 D	50	23,1	8,17	7,50	1495	0,51	91,8
Temperature rise at rated load.				[°C]	[K]	Method		Measurement method	
Stator winding :				64	1			1 Resistance	
Frame :				33	2			2 Thermocouples	
Bearing D-end :				40	2			3 Thermometer	
Ambient Temperature :				25	2				
<p>These tests have been carried out on motor no. 3GF10000662, on date 2010-03-03, 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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