



Test Report				Date of issue: 25.11.2015						
				Type: M3JM 200MLA 2						
				Product Code: 3GJM201410-_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	2956	31,0	0,88	S1		
Insul.cl.F		400	D 50	30	2956	52,7	0,88	S1		
IP66		415	D 50	30	2958	52,3	0,87	S1		
Eff class IE2		50Hz : IE2 - 93.2%(100%) - 93.6%(75%) - 93.0%(50%)								
Resistance				Insulation resistance at 52 °C			Overload			
Line		Ambient: 21 °C		2500 MΩ		1000 V		Torque 160 % 15s		
U <sub>1</sub> - V <sub>1</sub>		0,12740 Ω								
U <sub>1</sub> - W <sub>1</sub>		0,12740 Ω								
V <sub>1</sub> - W <sub>1</sub>		0,12750 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	14,0	0,82		3000	0,08		
Locked rotor test		76,3 D	50	53,9	2,49		0	0,35		
Thermal test (100% load)	97,3	400,1 D	50	53,2	32,2	30,0	2956	0,87	93,1	
Partial load points:										
~75% load	72,5	399,9 D	50	40,7	24,1	22,5	2971	0,85	93,5	
~50% load	49,0	400,1 D	50	29,2	16,2	15,0	2981	0,80	92,9	
~25% load	23,8	400,2 D	50	19,4	8,40	7,50	2992	0,62	89,3	
Temperature rise at rated load.				[°C]	[K]	Method		Measurement method		
Stator winding :				66	1			1 Resistance		
Frame :				24	2			2 Thermocouples		
Bearing D-end :				33	2			3 Thermometer		
Rotor:				70	3					
Ambient Temperature :				25	2					
These tests have been carried out on motor no. 0908-010290843, on date 2009-03-25, which is identical in electrical design with the above.										
Manufactured and tested in accordance with rules of IEC 60034-1 and IEC 60034-2-1. PLL determined from residual loss.										
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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