



Test Report				Date of issue: 16.3.2015					
Customer:				Serial No.:					
Customer ref.:				Order No.:					
				Type: M3JP 200MLA 6					
				Product Code: 3GJP203410-ADL					
				Protection type: Ex d IIB T4 Gb					
				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	989	21,6	0,82	S1		
Insul.cl.F	400	D 50	18,5	989	35,2	0,82	S1		
IP55	415	D 50	18,5	990	34,5	0,81	S1		
	440	D 60	18,5	1189	31,7	0,83	S1		
Eff class IE3	460	D 60	18,5	1190	30,6	0,82	S1		
50Hz: IE3-91,7%(100%)-91,9%(75%)-91,2%(50%)									
60Hz: IE3-93,0%(100%)									
Resistance				Insulation resistance at 80 °C		Overload			
Line	Ambient: 26 °C			2000 MΩ 1000 V		Torque 160% 15s			
U <sub>1</sub> - V <sub>1</sub>	0,28990 Ω					Speed 120% 120s			
U <sub>1</sub> - W <sub>1</sub>	0,28910 Ω					Current 150% 15s			
V <sub>1</sub> - W <sub>1</sub>	0,28910 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		400,7 D	50	13,6	0,60		998	0,06	
Locked rotor test		85,3 D	50	35,1	1,73		0	0,33	
Thermal test (100% load)	178,7	400,4 D	50	35,2	20,1	18,5	989	0,82	92,0
Partial load points:									
~75% load	134,3	400,1 D	50	27,9	15,1	13,9	991	0,78	92,2
~50% load	89,6	400,9 D	50	21,3	10,1	9,3	995	0,68	91,6
~25% load	44,8	400,9 D	50	16,3	5,3	4,6	997	0,47	87,4
Temperature rise at rated load.				[°C]	[K]	Method	Measurement method		
Stator winding :				48	1		1 Resistance		
Frame :				28	2		2 Thermocouples		
Bearing D-end :				31	2		3 Thermometer		
Rotor :				60	3				
Ambient Temperature :				25	2				
<p>These tests have been carried out on motor no. 3G1P141700184, on date 2014-07-07 which is identical in 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				Date of test					
Tested by ABB Oy, Motors and Generators, Vaasa, Finland						Telephone +358 10 2211		Telefax +358 10 22 47372	

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