



Test Report				Date of issue: 25.11.2015					
				Type: M3JM 200MLC 6 Product Code: 3GJM203430-_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	983	33,5	0,81	S1
Insul.cl.F		400	D	50	30	983	59	0,81	S1
IP66		415	D	50	30	984	59,8	0,79	S1
Eff class IE1		50Hz: IE1 - 90.6%(100%) - 90.8%(75%) - 89.6%(50%)							
Resistance				Insulation resistance at 31 °C			Overload		
Line				Ambient: 21 °C			1600 MΩ 1000 V		
U ₁ - V ₁				0,17878 Ω			Torque 160 % 15s		
U ₁ - W ₁				0,17878 Ω					
V ₁ - W ₁				0,17892 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		399,8 D	50	27,6	1,32		998	0,07	
Locked rotor test		81,2 D	50	59,1	3,48		0	0,42	
Thermal test (100% load)	291,5	400,1 D	50	59,3	33,3	30,0	982	0,81	90,1
Partial load points:									
~75% load	218,5	400,1 D	50	47,5	24,9	22,5	987	0,76	90,3
~50% load	145,6	400,0 D	50	37,3	16,8	15,0	991	0,67	89,2
~25% load	72,8	400,1 D	50	29,7	8,97	7,50	995	0,44	83,6
Temperature rise at rated load.				[°C]	[K]	Method	Measurement method		
Stator winding :						1	1 Resistance		
Frame :						2	2 Thermocouples		
Bearing D-end :						2	3 Thermometer		
Rotor:						3			
Ambient Temperature :						2			
These tests have been carried out on motor no. 3GF11094421, on date 2011-12-07, 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			

Computer print-out valid without signature.

ABB, Motors and Generators
www.abb.com/motors&generators