



Test Report				Date of issue: 19.11.2015					
				Type: M3JM 355MLB 6					
				Product Code: 3GJM353420_DL					
				Protection type: Ex d I Mb					
				Cert. No.: LCIE 10 ATEX 3089 X /					
				IECEX LCI 04.0008X					
Rating:									
	V	Hz	kW	r/min	A	cos φ	Duty		
3~Motor	690	Y 50	315	993	331	0,83	S1		
Insul.cl.F	400	D 50	315	993	571	0,83	S1		
IP66	415	D 50	315	993	564	0,81	S1		
	440	D 60	315	1193	511	0,84	S1		
	460	D 60	315	1194	495	0,83	S1		
Eff class IE3									
50Hz : IE3-95.8%(100%)-96.1%(75%)-96.0%(50%)									
60Hz : IE3-95.8%(100%)									
Resistance				Insulation resistance at 55 °C		Overload			
Line Ambient: 24 °C				3800 MΩ 1000 V		Torque 160% 15s			
U ₁ - V ₁ 0,00572 Ω									
U ₁ - W ₁ 0,05725 Ω									
V ₁ - W ₁ 0,05728 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]	n[r/min]	cos φ	η [%]
No load test		400,0 D	50	202,2	3,83		1000	0,03	
Locked rotor test		76,6 D	50	575,7	22,2		0	0,29	
Thermal test (100% load)	3029	400,2 D	50	571,5	327,6	315,0	992	0,83	96,2
Partial load points:									
~75% load	2281	400,1 D	50	446,1	244,9	236,3	995	0,79	96,5
~50% load	1509	400,3 D	50	333,6	163,5	157,5	997	0,71	96,4
~25% load	762,2	400,2 D	50	244,4	83,1	78,8	998	0,49	94,7
Temperature rise at rated load.				[°C]	[K]	Method	Measurement method		
Stator winding :				61	1		1 Resistance		
Frame :				32	2		2 Thermocouples		
Bearing D-end :				43	2		3 Thermometer		
Rotor :				107	3				
Ambient Temperature :				25	2				
These tests have been carried out on motor no. 3GF13172200, on date 2013-08-29 which is identical in 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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