



Test Report				Date of issue: 19.11.2015					
				Type: M3JM 315SMB 6					
				Product Code: 3GJM313220_DL					
				Protection type: Ex d I Mb					
				Cert. No.: LCIE 11 ATEX 3090 X /					
				IECEX LCI 04.0007X					
Rating:									
	V	Hz	kW	r/min	A	cos φ	Duty		
3~Motor	690	Y 50	75	994	79,0	0,84	S1		
Insul.cl.F	400	D 50	75	994	136	0,84	S1		
IP66	415	D 50	75	994	133	0,83	S1		
	440	D 60	75	1194	124	0,84	S1		
	460	D 60	75	1195	118	0,84	S1		
Eff class IE3	50Hz: IE3-94.6%(100%)-94.9%(75%)-94.6%(50%)								
	60Hz: IE3-95.0%(100%)								
Resistance				Insulation resistance at 51 °C		Overload			
Line	Ambient: 23 °C			8000 MΩ 1000 V					
U ₁ - V ₁	0,04368 Ω								
U ₁ - W ₁	0,04366 Ω								
V ₁ - W ₁	0,04366 Ω								
				High-voltage test winding 2400 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		399,9 D	50	39,5	1,43		1000	0,05	
Locked rotor test		92,1 D	50	134,0	4,96		0	0,23	
Thermal test (100% load)	721,3	400,8 D	50	135,6	79,2	75,0	994	0,84	94,7
Partial load points:									
~75% load	541,1	401,0 D	50	104,5	59,2	56,3	996	0,82	95,0
~50% load	359,1	401,0 D	50	76,4	39,6	37,5	997	0,75	94,7
~25% load	175,3	401,0 D	50	53,5	20,4	18,8	999	0,55	92,1
Temperature rise at rated load.				[°C]	[K]	Method		Measurement method	
Stator winding :				45	1	1		Resistance	
Frame :				30	2	2		Thermocouples	
Bearing D-end :				32	2	3		Thermometer	
Rotor:				51	3				
Ambient Temperature :				25	2				
These tests have been carried out on motor no. 3GF13172199, on date 2013-08-19 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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