



Test Report				Date of issue: 19.11.2015					
				Type: M3JM 355MLB 8					
				Product Code: 3GJM354420_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	250	743	274	0,80	S1	
Insul.cl.F		400	D 50	250	743	472	0,80	S1	
IP66		415	D 50	250	743	467	0,78	S1	
		440	D 50	250	893	425	0,81	S1	
		460	D 60	250	893	417	0,79	S1	
Eff class IE3		50Hz : IE3 - 94.6%(100%) - 94.8%(75%) - 94.2%(50%) 60Hz : IE3 - 95.0%(100%)							
Resistance				Insulation resistance at 45 °C			Overload		
Line		Ambient: 22 °C		8000 MΩ		1000 V		Torque 160% 15s	
U ₁ - V ₁		0,00818 Ω							
U ₁ - W ₁		0,00818 Ω							
V ₁ - W ₁		0,00818 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]	η[r/min]	cos φ	η [%]
No load test		459,9 D	60	180,1	4,51		900	0,03	
Locked rotor test		102,7 D	60	469,2	15,8		0	0,19	
Thermal test (100% load)	3051	460,1 D	60	460,6	299,1	285,0	892	0,82	95,3
Partial load points:									
~75% load	2279	460,3 D	60	360,2	223,5	213,8	894	0,78	95,6
~50% load	1518	460,3 D	60	271,3	149,3	142,5	897	0,69	95,4
~25% load	761,5	460,2 D	60	201,3	76,3	71,3	898	0,48	93,4
Temperature rise at rated load.				[°C]	[K]	Method		Measurement method	
Stator winding :				66	1			1 Resistance	
Frame :				36	2			2 Thermocouples	
Bearing D-end :				51	2			3 Thermometer	
Ambient Temperature :				25	2				
<p>These tests have been carried out on motor no. 3GF13181760, on date 2013-11-20 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> <p>On behalf of customer</p> <p>On behalf of manufacturer</p> <p>Tested by ABB Oy, Motors and Generators, Vaasa, Finland</p>									
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