



Test Report				Date of issue: 19.11.2015						
				Type: M3JM 355LKA 6						
				Product Code: 3GJM353810_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	355	993	382	0,81	S1		
Insul.cl.F		400	D 50	355	993	653	0,81	S1		
IP66		415	D 50	355	993	651	0,79	S1		
		440	D 60	355	1194	591	0,82	S1		
		460	D 60	355	1194	579	0,8	S1		
Eff class IE3		50Hz : IE3-95.8%(100%)-96.0%(75%)-95.9%(50%) 60Hz : IE3-95.8%(100%)								
Resistance				Insulation resistance at 37 °C			Overload			
Line		Ambient: 23 °C		5000 MΩ		1000 V		Torque 160% 15s		
U ₁ - V ₁		0,00465 Ω								
U ₁ - W ₁		0,00466 Ω								
V ₁ - W ₁		0,00465 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	265,9	4,64		1000	0,03		
Locked rotor test		69,5 D	50	656,9	23,60		0	0,30		
Thermal test (100% load)	3414	400,5 D	50	653,5	369,0	355,0	993	0,82	96,2	
Partial load points:										
~75% load	2566	401,1 D	50	517,5	276,1	266,3	995	0,77	96,4	
~50% load	1703	400,5 D	50	397,1	184,4	177,5	997	0,67	96,3	
~25% load	855,5	400,5 D	50	303,5	94,0	88,8	999	0,45	94,4	
Temperature rise at rated load.				°C	[K]	Method		Measurement method		
Stator winding :				60	106	1		1 Resistance		
Frame :				31	106	2		2 Thermocouples		
Bearing D-end :				45	106	2		3 Thermometer		
Rotor :				106	106	3				
Ambient Temperature :				25	106	2				
<p>These tests have been carried out on motor no. 3GF13172203, on date 2013-08-28 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> <p>Telephone +358 10 2211 Telefax +358 10 22 47372</p>										

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