



Test Report				Date of issue: 19.11.2015						
				Type: M3JM 355LKB 6						
				Product Code: 3GJM353820- DK						
				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	995	385	0,81	S1		
Insul.cl.F		400	D 50	355	995	668	0,81	S1		
IP66		660	Y 50	355	994	393	0,82	S1		
		380	D 50	355	994	682	0,82	S1		
		415	D 50	355	995	656	0,79	S1		
		460	D 60	355	1195	584	0,80	S1		
Eff class IE3		50Hz : IE3 - 96.4%(100%)-96.5%(75%)-96.1%(50%) 60Hz : IE3 - 96.4%(100%)								
Resistance				Insulation resistance at 43 °C						
Line		Ambient: 21 °C		12000 MΩ		1000 V				
U <sub>1</sub> - V <sub>1</sub>		0,00443 Ω								
U <sub>1</sub> - W <sub>1</sub>		0,00443 Ω								
V <sub>1</sub> - W <sub>1</sub>		0,00444 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		400,0 D	50	288,5	4,56		1000	0,02		
Locked rotor test		73,3 D	50	667,9	22,1		0	0,26		
Thermal test (100% load)	3407	401,3 D	50	668,2	367,9	355,0	995	0,80	96,5	
Partial load points:										
~75% load	2555	400,2 D	50	536,7	275,8	266,3	996	0,74	96,6	
~50% load	1709	400,4 D	50	421,2	184,6	177,5	998	0,63	96,1	
~25% load	857,1	400,4 D	50	333,1	94,5	88,8	999	0,41	93,9	
Temperature rise at rated load.				°C	K	Method		Measurement method		
Stator winding :				52	1			1 Resistance		
Frame :				20	2			2 Thermocouples		
Bearing D-end :				37	2			3 Thermometer		
Rotor:				81	3					
Ambient Temperature :				25	2					
<p>These tests have been carried out on motor no. 3GF11094698, on date 2011-12-14 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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