



<b>Test Report</b>				Date of issue: 19.11.2015					
				Type: M3JM 355SMB 6					
				Product Code: 3GJM353220-_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	160	995	171	0,82	S1	
Insul.cl.F		400	D 50	160	995	294	0,82	S1	
IP66		660	Y 50	160	994	177	0,83	S1	
		380	D 50	160	994	308	0,83	S1	
		415	D 50	160	995	288	0,81	S1	
		460	D 60	160	1195	260	0,81	S1	
		50Hz : IE3 - 96.1%(100%)-96.3%(75%)-96.0%(50%)							
Eff class IE3		60Hz : IE3 - 96.1%(100%)							
Resistance				Insulation resistance at 29,5 °C					
Line		Ambient: 20,0 °C		16000 MΩ		1000 V			
U <sub>1</sub> - V <sub>1</sub>		0,01238 Ω							
U <sub>1</sub> - W <sub>1</sub>		0,01238 Ω							
V <sub>1</sub> - W <sub>1</sub>		0,01240 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	109,6	2,15		1000	0,03	
Locked rotor test		79,5 D	50	289,9	9,11		0	0,02	
Thermal test (100% load)	1536	400,3 D	50	293,9	165,8	160,0	995	0,81	96,5
Partial load points:									
~75% load	1154	400,3 D	50	231,8	124,3	120,0	996	0,77	96,5
~50% load	765,1	400,6 D	50	176,7	83,3	80,0	998	0,68	96,1
~25% load	388,0	400,7 D	50	133,3	42,6	40,0	999	0,46	93,8
Temperature rise at rated load.				°C	[K]	Method	Measurement method		
		Stator winding :		39	1	1 Resistance			
		Frame :		20	2	2 Thermocouples			
		Bearing D-end :		23	2	3 Thermometer			
		Rotor :		47	3				
		Ambient Temperature :		25	2				
<p>These tests have been carried out on motor no. 3GF11094703, on date 2012-01-05 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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