



Test Report				Date of issue: 19.11.2015						
				Type: M3JM 355SMB 6						
				Product Code: 3GJM353220-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	200	993	213	0,82	S1		
Insul.cl.F		400	D 50	200	993	365	0,82	S1		
IP66		415	D 50	200	993	358	0,81	S1		
		440	D 60	200	1193	332	0,82	S1		
		460	D 60	200	1193	320	0,82	S1		
Eff class IE3		50Hz : IE3 - 95.8%(100%) - 96.2%(75%) - 96.1%(50%) 60Hz : IE3 - 95.8%(100%)								
Resistance				Insulation resistance at 43 °C			Overload			
Line		Ambient: 23 °C		5000 MΩ		1000 V		Torque 160% 15s		
U ₁ - V ₁		0,01012 Ω								
U ₁ - W ₁		0,01012 Ω								
V ₁ - W ₁		0,01012 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		400,1 D	50	126,2	2,40		1000	0,03		
Locked rotor test		78,5 D	50	361,8	14,0		0	0,28		
Thermal test (100% load)	1925	400,4 D	50	364,9	208,0	200,0	993	0,82	96,1	
Partial load points:										
~75% load	1447	400,8 D	50	283,6	155,5	150,0	995	0,79	96,5	
~50% load	961,3	400,7 D	50	211,4	103,8	100,0	997	0,71	96,4	
~25% load	479,0	400,8 D	50	154,2	52,8	50,0	999	0,49	94,8	
Temperature rise at rated load.				[°C]	[K]	Method		Measurement method		
		Stator winding :		54	1			1 Resistance		
		Frame :		24	2			2 Thermocouples		
		Bearing D-end :		38	2			3 Thermometer		
		Rotor :		81	3					
		Ambient Temperature :		25	2					
These tests have been carried out on motor no. 3GF13172079, on date 2013-08-25 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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