



Test Report				Date of issue: 19.11.2015					
				Type: M3JM 355SMB 4					
				Product Code: 3GJM352220-_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	315	1491	319	0,85	S1		
Insul.cl.F	400	D 50	315	1491	550	0,85	S1		
IP66	415	D 50	315	1492	536	0,85	S1		
	440	D 60	315	1791	494	0,87	S1		
	460	D 60	315	1792	494	0,87	S1		
Eff class IE3		50Hz : IE3-96.0%(100%)-96.1%(75%)-95.7%(50%)							
		60Hz : IE3-96.2%(100%)							
Resistance				Insulation resistance at 50 °C		Overload			
Line Ambient: 25 °C				8000 MΩ 1000 V		Torque 160% 15s			
U <sub>1</sub> - V <sub>1</sub> 0,00451 Ω									
U <sub>1</sub> - W <sub>1</sub> 0,00450 Ω									
V <sub>1</sub> - W <sub>1</sub> 0,00451 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]	η[r/min]	cos φ	η [%]
No load test		400,0 D	50	173,0	4,59		1500	0,04	
Locked rotor test		65,2 D	50	548,1	18,2		0	0,29	
Thermal test (100% load)	2018	400,1 D	50	552,6	326,7	315,0	1491	0,85	96,4
Partial load points:									
~75% load	1510	400,0 D	50	428,8	244,8	236,3	1494	0,82	96,5
~50% load	1005	400,2 D	50	316,1	163,8	157,5	1496	0,75	96,1
~25% load	502,3	400,0 D	50	223,1	83,8	78,8	1498	0,54	94,0
Temperature rise at rated load.				°C	[K]	Method		Measurement method	
Stator winding :				62	1			1 Resistance	
Frame :				29	2			2 Thermocouples	
Bearing D-end :				40	2			3 Thermometer	
Rotor :				91	3				
Ambient Temperature :				25	2				
<p>These tests have been carried out on motor no. 3GZF13170392, on date 2013-08-30 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>									
						Telephone +358 10 2211			
						Telefax +358 10 22 47372			

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