



Test Report				Date of issue: 19.11.2015					
				Type: M3JM 225SMB 4					
				Product Code: 3GJM222220-DL					
				Protection type: Ex d I Mb					
				Cert. No.: LCIE 10 ATEX 3057X					
				IECEX LCI 04.0005X					
Rating:									
	V	Hz	kW	r/min	A	cos φ	Duty		
3-Motor	690	Y 50	45	1482	47,6	0,84	S1		
Insul.cl.F	400	D 50	45	1482	82,3	0,84	S1		
IP66	415	D 50	45	1483	81	0,82	S1		
	440	D 60	45	1782	73,4	0,85	S1		
Eff class IE3	460	D 60	45	1784	71,8	0,83	S1		
50Hz: IE3-94,2%(100%)-94,4%(75%)-94,0%(50%)									
60Hz: IE3-95,0%(100%)									
Resistance				Insulation resistance at 88 °C		Overload			
Line Ambient: 20 °C				2000 MΩ 1000 V		Torque 160% 15s			
U <sub>1</sub> - V <sub>1</sub> 0,06820 Ω									
U <sub>1</sub> - W <sub>1</sub> 0,06830 Ω									
V <sub>1</sub> - W <sub>1</sub> 0,06820 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		400,7 D	50	31,3	0,94		1498	0,04	
Locked rotor test		70,4 D	50	81,0	3,46		0	0,35	
Thermal test (100% load)	290,4	400,3 D	50	82,3	47,8	45,0	1482	0,84	94,2
Partial load points:									
~75% load	217,2	400,1 D	50	64,8	35,7	33,8	1486	0,80	94,4
~50% load	145,3	400,6 D	50	49,2	23,9	22,5	1490	0,70	94,0
~25% load	72,5	400,4 D	50	37,0	12,3	11,3	1495	0,48	91,2
Temperature rise at rated load.				[°C]	[K]	Method		Measurement method	
Stator winding :				63	1			1 Resistance	
Frame :				43	2			2 Thermocouples	
Bearing D-end :				43	2			3 Thermometer	
Rotor:				92	3				
Ambient Temperature :				25	2				
<p>These tests have been carried out on motor no. 3G1P141700188, on date 2014-10-16 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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