



<b>Test Report</b>				Date of issue: 20.11.2015					
				Type: M3JM 355SMA 6					
				Product Code: 3GJM353210_DG					
				Protection type: Ex d I Mb					
				Cert. No.: LCIE 10 ATEX 3089X / IECEX LCI 04.0008X					
Rating:									
		V	Hz	kW	r/min	A	cos φ	Duty	
3-Motor		690	Y 50	150	993	169	0,83	S1	
Insul.cl.F		400	D 50	150	993	291	0,83	S1	
IP66		415	D 50	150	994	284	0,82	S1	
50Hz : IE2 - 95,4%(100%) - 95,6%(75%) - 95,2%(50%)									
Eff class IE2									
Resistance				Insulation resistance at 32 °C					
Line Ambient: 20 °C				14000 MΩ		1000 V			
U <sub>1</sub> - V <sub>1</sub>		0,01260 Ω							
U <sub>1</sub> - W <sub>1</sub>		0,01261 Ω							
V <sub>1</sub> - W <sub>1</sub>		0,01260 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	95,5	2,85		1000	0,04	
Locked rotor test		83,0 D	50	292,8	11,4		0	0,27	
Thermal test (100% load)	1539	401,3 D	50	292,0	167,7	160,0	993	0,83	95,4
Partial load points:									
~75% load	1153	401,5 D	50	225,7	125,6	120,0	995	0,80	95,6
~50% load	767,2	401,7 D	50	166,8	84,1	80,0	997	0,73	95,2
~25% load	392,1	402,0 D	50	119,0	43,2	40,0	998	0,52	92,7
Temperature rise at rated load.				°C	[K]	Method	Measurement method		
Stator winding :				55	1	1 Resistance			
Frame :				30	2	2 Thermocouples			
Bearing D-end :				40	2	3 Thermometer			
Ambient Temperature :				25	2				
<p>These tests have been carried out on motor no. 3GP11019357, on date 2011-10-27, which is identical in electrical 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>									
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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