



Test Report				Date of issue: 23.11.2015						
				Type: M3JM 355SMB 6						
				Product Code: 3GJM353220-_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	185	994	195	0,83	S1	
Insul.cl.F		400	D	50	185	994	337	0,83	S1	
IP66		415	D	50	185	994	330	0,82	S1	
Eff class IE2		50Hz : IE2 - 95.7%(100%) - 95.8%(75%) - 95.3%(50%)								
Resistance				Insulation resistance at 47 °C			Overload			
Line		Ambient: 22 °C		3600 MΩ			1000 V		Torque 160 % 15s	
U <sub>1</sub> - V <sub>1</sub>		0,01000 Ω								
U <sub>1</sub> - W <sub>1</sub>		0,01001 Ω								
V <sub>1</sub> - W <sub>1</sub>		0,01000 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		399,9 D	50	113,6	3,06		1000	0,04		
Locked rotor test		77,0 D	50	335,0	12,0		0	0,27		
Thermal test (100% load)	1779	400,4 D	50	336,9	193,3	185,0	994	0,83	95,7	
Partial load points:										
~75% load	1328	400,4 D	50	263,0	144,8	138,8	996	0,80	95,8	
~50% load	889,3	400,5 D	50	196,8	97,0	92,5	997	0,71	95,3	
~25% load	451,8	400,6 D	50	143,2	49,9	46,3	999	0,50	92,8	
Temperature rise at rated load.				[°C]	[K]	Method		Measurement method		
Stator winding :				53	1	1		Resistance		
Frame :				30	2	2		Thermocouples		
Bearing D-end :				36	2	3		Thermometer		
Rotor:				81	3					
Ambient Temperature :				25	2					
<p>These tests have been carried out on motor no. 3GP11016947, on date 2012-01-08, 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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