



Test Report				Date of issue: 19.11.2015				
				Type: M3JM 355SMB 2				
				Product Code: 3GJM351220-DK				
				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	250	2983	241	0,90	S1	
Insul.cl.F	400	D 50	250	2983	415	0,90	S1	
IP66	660	Y 50	250	2981	253	0,90	S1	
	380	D 50	250	2981	438	0,90	S1	
	415	D 50	250	2984	405	0,90	S1	
	460	D 60	250	3585	363	0,90	S1	
Eff class IE3		50Hz : IE3 - 96.4%(100%)-96.5%(75%)-96.0%(50%) 60Hz : IE3 - 96.1%(100%)						
Resistance				Insulation resistance at 45,5 °C				
Line Ambient: 20,0 °C				1300 MΩ 1000 V				
U ₁ - V ₁ 0,00494 Ω								
U ₁ - W ₁ 0,00496 Ω								
V ₁ - W ₁ 0,00494 Ω								
				High-voltage test winding 1900 V		60 s		
Test	Line		Input		Output		cos φ	η [%]
	U[V]	f[Hz]	I[A]	P1 [kW]	P2 [kW]			
No load test	400 D	50	101,6	2,65			0,04	
Locked rotor test	61,1 D	50	416,3	11,3			0,26	
Thermal test (100% load)	400,6 D	50	415,2	256,9	250,0	2983	0,89	97,3
Partial load points:								
~75% load	400,7 D	50	317,7	192,5	187,5	2988	0,87	97,4
~50% load	400,9 D	50	226,8	128,7	125,0	2992	0,82	97,1
~25% load	401,0 D	50	148,0	65,4	62,5	2997	0,64	95,5
Temperature rise at rated load.			°C	[K]	Method		Measurement method	
Stator winding :			61	1			1 Resistance	
Frame :			28	2			2 Thermocouples	
Bearing D-end :			37	2			3 Thermometer	
Ambient Temperature :			25	2				
<p>These tests have been carried out on motor no. 3GP11023340, on date 2011-10-27 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>								
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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