



Test Report				Date of issue: 19.11.2015					
				Type: M3JM 355SMA 2					
				Product Code: 3GJM351210_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	200	2985	195	0,89	S1	
Insul.cl.F		400	D 50	200	2985	336	0,89	S1	
IP66		660	Y 50	200	2982	203	0,90	S1	
		380	D 50	200	2982	352	0,90	S1	
		415	D 50	200	2985	326	0,89	S1	
		460	D 60	200	3586	295	0,88	S1	
Eff class IE3		50Hz : IE3 - 96.4%(100%)-96.4%(75%)-95.9%(50%)							
		60Hz : IE3 -96.1%(100%)							
Resistance				Insulation resistance at 39,0 °C			Overload		
Line		Ambient: 20,5 °C		4000 MΩ		1000 V		Torque 160 % 15s	
U ₁ - V ₁		0,00608 Ω							
U ₁ - W ₁		0,00610 Ω							
V ₁ - W ₁		0,00608 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]	n[r/min]	cos φ	η [%]
No load test		400,2 D	50	88,8	3,32		3000	0,05	
Locked rotor test		58,8 D	50	336,9	8,01		0	0,23	
Thermal test (100% load)	640,1	400,4 D	50	336,1	206,3	200,0	2985	0,89	97,0
Partial load points:									
~75% load	480,8	400,3 D	50	259,2	155,0	150,0	2989	0,86	96,8
~50% load	322,6	400,3 D	50	187,3	104,1	100,0	2993	0,80	96,1
~25% load	161,0	400,4 D	50	125,1	53,6	50,0	2997	0,62	93,3
Temperature rise at rated load.				°C	K	Method		Measurement method	
		Stator winding :		49	1			1 Resistance	
		Frame :		24	2			2 Thermocouples	
		Bearing D-end :		32	2			3 Thermometer	
		Rotor :		60	3				
		Ambient Temperature :		25	2				
<p>These tests have been carried out on motor no. 3GP11023338, on date 2012-01-15 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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