



Test Report				Date of issue: 19.11.2015					
				Type: M3JM 355SMA 4					
				Product Code: 3GJM352210_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	1491	201	0,87	S1	
Insul.cl.F		400	D 50	200	1491	345	0,87	S1	
IP66		660	Y 50	200	1489	208	0,88	S1	
		380	D 50	200	1489	360	0,88	S1	
		415	D 50	200	1491	337	0,86	S1	
		460	D 60	200	1792	301	0,87	S1	
Eff class IE3		50Hz : IE3 - 96.6%(100%)-96.7%(75%)-96.5%(50%)							
		60Hz : IE3 - 96.4%(100%)							
Resistance				Insulation resistance at 40,5 °C			Overload		
Line		Ambient: 24,0 °C		1800 MΩ		1000 V		Torque 160 % 15s	
U <sub>1</sub> - V <sub>1</sub>		0,00805 Ω							
U <sub>1</sub> - W <sub>1</sub>		0,00805 Ω							
V <sub>1</sub> - W <sub>1</sub>		0,00805 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		399,8 D	50	110,7	2,34			0,03	
Locked rotor test		63,8 D	50	343,2	10,9			0,29	
Thermal test (100% load)	1282	400,3 D	50	345,2	206,2	200,0	1491	0,86	97,0
Partial load points:									
~75% load	963,2	400,4 D	50	267,8	154,5	150,0	1494	0,83	97,1
~50% load	644,0	400,6 D	50	197,6	103,3	100,0	1496	0,76	96,8
~25% load	319,1	400,6 D	50	140,3	52,6	50,0	1498	0,54	95,1
Temperature rise at rated load.				[°C]	[K]	Method		Measurement method	
Stator winding :				45	1			1 Resistance	
Frame :				25	2			2 Thermocouples	
Bearing D-end :				31	2			3 Thermometer	
Ambient Temperature :				25	2				
<p>These tests have been carried out on motor no. 3GP11022746, on date 2011-08-24 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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