



<b>Test Report</b>				Date of issue: 23.11.2015							
				Type: M3JM 355SMC 8 Product Code: 3GJM354230-_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	200	742	223	0,79	S1	
Insul.cl.F				400	D 50	200	742	385	0,79	S1	
IP66				415	D 50	200	743	743	0,77	S1	
Eff class IE2				50Hz: IE2 - 94,5%(100%) - 95,0%(75%) - 94,8%(50%)							
Resistance				Insulation resistance at 14 °C				Overload			
Line Ambient: 14 °C				R > 2000 Mohm 1000 V				Torque 160 % 15s			
U <sub>1</sub> - V <sub>1</sub>				0,01172 Ω							
U <sub>1</sub> - W <sub>1</sub>				0,01171 Ω							
V <sub>1</sub> - W <sub>1</sub>				0,01172 Ω							
				High-voltage test winding 2400 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	156,8	3,15		750	0,03			
Locked rotor test		88 D	50	375,3	13,73		0	0,24			
Thermal test ( 100% load )	2576	400 D	50	384,7	210,23	200,00	742	0,79	95,10		
Partial load points:											
~75% load	1925	400 D	50	303,3	157,10	150,00	744	0,75	95,50		
~50% load	1280	400 D	50	232,9	104,91	100,00	746	0,65	95,30		
~25% load	638,7	400 D	50	179,6	53,69	50,00	748	0,43	93,10		
Temperature rise at rated load.				°C	[K]	Method		Measurement method			
Stator winding :				71	1			1 Resistance			
Frame :				27	2			2 Thermocouples			
Bearing D-end :				41	2			3 Thermometer			
Ambient Temperature :				25	2						
<p>These tests have been carried out on motor no. 75033778004001A, on date 2011-12-19, 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											
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