



Type Test Report				Date of issue: 19.11.2015							
				Type: M3JM 355SMC 8 Product Code: 3GJM354230-DL 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	742	223	0,79	S1	
Insul.cl.F				400	D 50	200	742	385	0,79	S1	
IP66				415	D 50	200	743	380	0,77	S1	
				440	D 60	200	892	346	0,80	S1	
				460	D 60	200	893	335	0,79	S1	
Eff class IE3				50Hz : IE3 - 94.6%(100%) - 95.1%(75%) - 94.9%(50%) 60Hz : IE3 - 95.0%(100%)							
Resistance				Insulation resistance at 14 °C				Overload			
Line				Ambient: 14,0 °C				R > 2000 Mohm 1000 V			
U ₁ - V ₁				0,01172 Ω				Torque 160 % 15s			
U ₁ - W ₁				0,01171 Ω							
V ₁ - W ₁				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]	η[r/min]	cos φ	η [%]		
No load test		400,2 D	50	156,8	3,15		750	0,03			
Locked rotor test		88,0 D	50	375,3	13,7		0	0,24			
Thermal test (100% load)	2576	400 D	50	384,7	210,2	200,0	742	0,79	95,1		
Partial load points:											
~75% load	1925	400 D	50	303,3	157,1	150,0	744	0,75	95,5		
~50% load	1280	400 D	50	232,9	104,9	100,0	746	0,65	95,3		
~25% load	638,7	400 D	50	179,6	53,7	50,0	748	0,43	93,1		
Temperature rise at rated load.				[°C]	[K]	Method		Measurement method			
Stator winding :				71	1	1		1 Resistance			
Frame :				27	2	2		2 Thermocouples			
Bearing D-end :				41	2	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 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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