



Type Test Report				Date of issue: 19.11.2015							
				Type: M3JM 355SMA 8 Product Code: 3GJM354210-_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	132	744	151	0,77	S1	
Insul.cl.F				400	D 50	132	744	256	0,77	S1	
IP66				415	D 50	132	745	257	0,75	S1	
				440	D 60	132	895	234	0,78	S1	
				460	D 60	132	895	230	0,76	S1	
Eff class IE3				50Hz : IE3 - 94.0%(100%) - 93.9%(75%) - 93.4%(50%) 60Hz : IE3 - 94.5%(100%)							
Resistance				Insulation resistance at 15 °C				Overload			
Line				Ambient: 15 °C				R > 2000 Mohm 1000 V			
U <sub>1</sub> - V <sub>1</sub>				0,01715 Ω				Torque 160 % 15s			
U <sub>1</sub> - W <sub>1</sub>				0,01714 Ω							
V <sub>1</sub> - W <sub>1</sub>				0,01713 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		400,6 D	50	107,9	2,51		750	0,03			
Locked rotor test		88,2 D	50	256,0	7,78		0	0,20			
Thermal test ( 100% load )	1694	400,0 D	50	256,3	138,5	132,0	744	0,77	95,3		
Partial load points:											
~75% load	1270	400,0 D	50	205,0	104,0	99,0	745	0,73	95,2		
~50% load	844,3	400,0 D	50	160,0	69,6	66,0	747	0,63	94,8		
~25% load	421,5	400,0 D	50	124,4	35,9	33,0	748	0,42	92,0		
Temperature rise at rated load.				°C	[K]	Method		Measurement method			
Stator winding :				60	60	1		1 Resistance			
Frame :				28	28	2		2 Thermocouples			
Bearing D-end :				31	31	2		3 Thermometer			
Rotor :						2					
Ambient Temperature :				25	25	2					
<p>These tests have been carried out on motor no. 75033778002001A, on date 2011-12-18 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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