



Test Report				Date of issue: 20.11.2015							
				Type: M3JM 355SMA 8 Product Code: 3GJM354210-_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	132	744	151	0,80	S1	
Insul.cl.F				400	D 50	132	744	256	0,80	S1	
IP66				415	D 50	132	745	257	0,78	S1	
Eff class IE2				50Hz: IE2 - 93,9%(100%) - 93,8%(75%) - 93,3%(50%)							
Resistance				Insulation resistance at 15 °C				Overload			
Line				Ambient: 15 °C				R > 2000 Mohm 1000 V			
U ₁ - V ₁				0,01715 Ω				Torque 160 % 15s			
U ₁ - W ₁				0,01714 Ω							
V ₁ - W ₁				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	0,2			
Thermal test (100% load)	1694	400 D	50	256,3	138,49	132,00	744	0,77	95,30		
Partial load points:											
~75% load	1270	400 D	50	205,0	103,97	99,00	745	0,73	95,20		
~50% load	844,3	400 D	50	160,0	69,63	66,00	747	0,63	94,80		
~25% load	421,5	400 D	50	124,4	35,86	33,00	748	0,42	92,00		
Temperature rise at rated load.				°C	[K]	Method		Measurement method			
Stator winding :				60	1	1		Resistance			
Frame :				28	2	2		Thermocouples			
Bearing D-end :				31	2	3		Thermometer			
Ambient Temperature :				25	2						
<p>These tests have been carried out on motor no. 75033778002001A, on date 2011-12-18, 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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