



Type Test Report				Date of issue: 19.11.2015							
				Type: M3JM 355SMB 8 Product Code: 3GJM354220_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	160	744	182	0,77	S1	
Insul.cl.F				400	D 50	160	744	293	0,77	S1	
IP66				415	D 50	160	745	311	0,75	S1	
				440	D 60	160	894	283	0,78	S1	
				460	D 60	160	895	274	0,77	S1	
Eff class IE3				50Hz : IE3 - 94.3%(100%) - 94.2%(75%) - 93.7%(50%) 60Hz : IE3 - 94.8%(100%)							
Resistance				Insulation resistance at 17,0 °C				Overload			
Line				Ambient: 17,0 °C				R > 2000 Mohm 1000 V			
U <sub>1</sub> - V <sub>1</sub>				0,01429 Ω				Torque 160 % 15s			
U <sub>1</sub> - W <sub>1</sub>				0,01430 Ω							
V <sub>1</sub> - W <sub>1</sub>				0,01430 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		400,7 D	50	129,4	2,79		750	0,03			
Locked rotor test		85,8 D	50	307,2	9,31		0	0,20			
Thermal test ( 100% load )	2054	400,0 D	50	308,5	167,7	160,0	744	0,79	95,4		
Partial load points:											
~75% load	1540	400,0 D	50	245,8	125,8	120,0	744	0,74	95,4		
~50% load	1024	400,0 D	50	191,0	84,3	80,0	746	0,64	94,9		
~25% load	510,7	400,0 D	50	148,3	43,2	40,0	748	0,42	92,6		
Temperature rise at rated load.				°C	[K]	Method		Measurement method			
Stator winding :				58	1			1 Resistance			
Frame :				23	2			2 Thermocouples			
Bearing D-end :				35	2			3 Thermometer			
Rotor :					2						
Ambient Temperature :				25	2						
<p>These tests have been carried out on motor no. 75033778003001A, on date 2011-12-03 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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