



Test Report				Date of issue: 19.11.2015							
				Type: M3JM 280SMB 8 Product Code: 3GJM284220_DL Protection type: Ex d I Mb Cert. No.: LCIE 11 ATEX 3089 X / IECEX LCI 04.0006X							
Rating:				V	Hz	kW	r/min	A	cos φ	Duty	
3~Motor				400	D 50	45	741	90	0,78	S1	
Insul.cl.F				690	Y 50	45	741	52	0,78	S1	
IP66				415	D 50	45	742	90	0,75	S1	
				440	D 60	45	891	80,3	0,79	S1	
				460	D 60	45	892	79	0,77	S1	
Eff class IE3				50Hz : IE3 - 92,2(100%) - 92,4(75%) - 91,8(50%) 60Hz : IE3 - 92,4%(100%)							
Resistance				Insulation resistance at 23 °C				Overload			
Line				R > 2000 Mohm 1000 V				Torque 160 % 15s			
U ₁ - V ₁				Ambient: 23 °C				High-voltage test winding 2400 V 60 s			
U ₁ - W ₁				0,08225 Ω							
V ₁ - W ₁				0,08260 Ω							
				0,08235 Ω							
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		400,6 D	50	40,5	1,15		750	0,04			
Locked rotor test		90,9 D	50	90,2	3,82		0	0,27			
Thermal test (100% load)	579,9	400,0 D	50	89,6	48,2	45,0	741	0,78	93,3		
Partial load points:											
~75% load	433,5	400,0 D	50	72,1	36,1	33,8	744	0,72	93,4		
~50% load	288,4	400,0 D	50	57,1	24,2	22,5	745	0,61	92,9		
~25% load	143,6	400,0 D	50	45,6	12,6	11,3	748	0,40	89,6		
Temperature rise at rated load.				°C	[K]	Method		Measurement method			
Stator winding :				59	1			1 Resistance			
Frame :				35	2			2 Thermocouples			
Bearing D-end :				36	2			3 Thermometer			
Ambient Temperature :				25	2						
<p>These tests have been carried out on motor no. 075033774004001, 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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