



Type Test Report				Date of issue: 23.11.2015							
				Type: M3JM 280SMC 2 Product Code: 3GJM281230-_DG Protection type: Ex d I Mb Cert. No.: LCIE 11 ATEX 3089X / IECEx LCI 04.0006X							
Rating:				V	Hz	kW	r/min	A	cos φ	Duty	
3~Motor				690	Y 50	110	2978	107	0,90	S1	
Insul.cl.F				400	D 50	110	2978	186	0,90	S1	
IP66				415	D 50	110	2980	181	0,89	S1	
Eff class IE2				50Hz : IE2 - 95,1%(100%) - 95,1%(75%) - 94,5%(50%)							
Resistance				Insulation resistance at 16 °C				Overload			
Line				Ambient: 16 °C				R > 2000 Mohm 1000 V			
U ₁ - V ₁				0,01854 Ω				Torque 160 % 15s			
U ₁ - W ₁				0,01854 Ω							
V ₁ - W ₁				0,01856 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		400,4 D	50	43,7	2,48		3000	0,08			
Locked rotor test		63,3 D	50	186,8	6,19		0	0,3			
Thermal test (100% load)	353,3	400 D	50	187,2	116,12	110,00	2973	0,90	94,70		
Partial load points:											
~75% load	264,5	400 D	50	142,5	87,08	82,50	2979	0,88	94,70		
~50% load	175,9	400 D	50	101,4	58,43	55,00	2986	0,83	94,10		
~25% load	87,7	400 D	50	65,2	30,24	27,50	2993	0,67	90,90		
Temperature rise at rated load.				°C	K	Method		Measurement method			
Stator winding :				67	1			1 Resistance			
Frame :				30	2			2 Thermocouples			
Bearing D-end :				30	2			3 Thermometer			
Rotor :					2						
Ambient Temperature :				25	2						
<p>These tests have been carried out on motor no. 75035421014001A, on date 2011-12-21, 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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