



<b>Test Report</b>				Date of issue: 23.11.2015							
				Type: M3JM 315SMC 8 Product Code: 3GJM314230-_DG Protection type: Ex d I Mb Cert. No.: LCIE 11 ATEX 3090X / IECEx LCI 04.0007X							
Rating:				V	Hz	kW	r/min	A	cos φ	Duty	
3~Motor				690	Y 50	90	741	99	0,82	S1	
Insul.cl.F				400	D 50	90	741	170	0,82	S1	
IP66				415	D 50	90	742	166	0,81	S1	
Eff class IE2				50Hz: IE2 - 93,3%(100%) - 93,7%(75%) - 93,3%(50%)							
Resistance				Insulation resistance at 17 °C				Overload			
Line				Ambient: 17 °C				R > 2000 Mohm 1000 V			
U <sub>1</sub> - V <sub>1</sub>				0,03504 Ω				Torque 160 % 15s			
U <sub>1</sub> - W <sub>1</sub>				0,03505 Ω							
V <sub>1</sub> - W <sub>1</sub>				0,03506 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	67,3	1,761		750	0,04			
Locked rotor test		89,6 D	50	168,6	6,66		0	0,25			
Thermal test ( 100% load )	1162,3	400 D	50	170,9	95,64	90,00	739	0,81	94,10		
Partial load points:											
~75% load	868,6	400 D	50	134,9	71,52	67,50	742	0,77	94,40		
~50% load	577,6	400 D	50	103,1	47,82	45,00	744	0,67	94,10		
~25% load	287,6	400 D	50	78,5	24,56	22,50	747	0,45	91,60		
Temperature rise at rated load.				°C	[K]	Method		Measurement method			
Stator winding :				71	1			1 Resistance			
Frame :				37	2			2 Thermocouples			
Bearing D-end :				46	2			3 Thermometer			
Ambient Temperature :				25	2						
<p>These tests have been carried out on motor no. 75033776004001A, on date 2011-12-05, 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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