



Test Report				Date of issue: 20.11.2015					
				Type: M3JM 400LA 4					
				Product Code: 3GJM402510-_DG					
				Protection type: Ex d I Mb					
				Cert. No.: LCIE 10 ATEX 3004 X /					
				IECEx LCI 04.0032X					
Rating:									
		V	Hz	kW	r/min	A	cos φ	Duty	
3-Motor		690	Y 50	560	1491	569	0,85	S1	
Insul.cl.F		400	D 50	560	1491	982	0,85	S1	
IP66		415	D 50	560	1492	966	0,83	S1	
Cold resistance				Insulation resistance at 76 °C		Overload			
Line		Ambient: 25 °C		2500 MΩ 1000 V		Torque 160% 15s			
U ₁ - V ₁		0,00182 Ω							
U ₁ - W ₁		0,00181 Ω							
V ₁ - W ₁		0,00181 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		399,9 D	50	315,4	7,18		1500	0,03	
Locked rotor test		68,2 D	50	982,0	30,7		0	0,26	
Thermal test (100% load)	3587	400,6 D	50	981,6	579,0	560,0	1491	0,85	96,7
Partial load points:									
~75% load	2692	400,7 D	50	761,3	433,7	420,0	1493	0,82	96,8
~50% load	1791	400,3 D	50	561,4	290,1	280,0	1496	0,75	96,5
~25% load	894,9	400,3 D	50	397,6	147,9	140,0	1498	0,54	94,6
Temperature rise at rated load.				°C	[K]	Method		Measurement method	
Stator winding :				82	1			1 Resistance	
Frame :				50	2			2 Thermocouples	
Bearing D-end :				47	2			3 Thermometer	
Ambient Temperature :				25	2				
These tests have been carried out on motor no. 3G1F1532279872B, on date 2015-09-24, which is identical in design with the above.						Starting current (I _S / I _N) :		6,83	
						Locked rotor torque (T _L / T _N) :		2,29	
Manufactured and tested in accordance with rules of IEC 60034-1 and IEC 60034-2-1. PLL determined from residual loss.									
On behalf of customer									
On behalf of manufacturer									
Tested by ABB Oy, Motors and Generators, Vaasa, Finland						Telephone +358 10 2211			
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