



Test Report				Date of issue: 25.11.2015					
				Type: M3JM 250SMC 4					
				Product Code: 3GJM252230_DG					
				Protection type: Ex d I Mb					
				Cert. No.: LCIE 10 ATEX 3063X / IECEX LCI 04.0012X					
Rating:									
		V	Hz	kW	r/min	A	cos φ	Duty	
3~Motor		690	Y 50	86	1477	89,3	0,85	S1	
Insul.cl.F		400	D 50	86	1477	155	0,85	S1	
IP66		415	D 50	86	1479	151	0,83	S1	
Eff class IE2		50Hz : IE2 - 94,9%(100%) - 95,3%(75%) - 95,0%(50%)							
Resistance				Insulation resistance at 39 °C			Overload		
Line		Ambient: 19 °C		5000 MΩ		1000 V		Torque 160 % 15s	
U ₁ - V ₁		0,03639 Ω							
U ₁ - W ₁		0,03641 Ω							
V ₁ - W ₁		0,03640 Ω							
				High-voltage test winding 2900 V			1 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		400,0 D	50	57,3	1,54		1500	0,04	
Locked rotor test		71,3 D	50	155,0	6,66		0	0,35	
Thermal test (100% load)	556,1	400,2 D	50	155,0	90,7	86,0	1481	0,85	94,8
Partial load points:									
~75% load	417,0	400,1 D	50	121,6	67,8	64,5	1486	0,81	95,1
~50% load	278,5	400,0 D	50	91,6	45,4	43,0	1491	0,72	94,8
~25% load	139,2	400,1 D	50	67,7	23,3	21,5	1496	0,50	92,4
Temperature rise at rated load.				[°C]	[K]	Method		Measurement method	
Stator winding :				62	1			1 Resistance	
Frame :				28	2			2 Thermocouples	
Bearing D-end :				53	2			3 Thermometer	
Ambient Temperature :				25	2				
<p>These tests have been carried out on motor no. 3GF11094412, on date 2011-12-28, 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									
Tested by ABB Oy, Motors and Generators, Vaasa, Finland						Telephone +358 10 2211 Telefax +358 10 22 47372			

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