



Test Report				Date of issue: 25.11.2015					
				Type: M3JM 225SMD 4					
				Product Code: 3GJM222240-_DG					
				Protection type: Ex d I Mb					
				Cert. No.: LCIE 10 ATEX 3057X / IECEx LCI 04.0005X					
Rating:									
		V	Hz	kW	r/min	A	cos φ	Duty	
3~Motor		690	Y 50	55	1483	57,7	0,83	S1	
Insul.cl.F		400	D 50	55	1483	101	0,83	S1	
IP66		415	D 50	55	1484	101,0	0,82	S1	
Eff class IE2		50Hz : IE2 - 94,3%(100%) - 94,4%(75%) - 93,9%(50%)							
Resistance				Insulation resistance at 53 °C			Overload		
Line		Ambient: 21 °C		1000 MΩ		1000 V		Torque 160 % 15s	
U ₁ - V ₁		0,05349 Ω							
U ₁ - W ₁		0,05359 Ω							
V ₁ - W ₁		0,05364 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]	n[r/min]	cos φ	η [%]
No load test		400,0 D	50	40,4	1,39		1498	0,05	
Locked rotor test		72,9 D	50	101,0	4,80		0	0,38	
Thermal test (100% load)	354,2	400,1 D	50	102,4	58,7	55,0	1481	0,83	93,7
Partial load points:									
~75% load	264,6	400,1 D	50	80,7	43,9	41,3	1485	0,79	93,9
~50% load	177,4	400,0 D	50	61,6	29,5	27,5	1491	0,69	93,3
~25% load	88,5	400,0 D	50	46,8	15,3	13,8	1494	0,47	89,8
Temperature rise at rated load.				[°C]	[K]	Method		Measurement method	
Stator winding :				71	1			1 Resistance	
Frame :				36	2			2 Thermocouples	
Bearing D-end :				55	2			3 Thermometer	
Ambient Temperature :				25	2				
<p>These tests have been carried out on motor no. 3GF11094420, on date 2011-12-18, 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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