



Test Report				Date of issue: 25.11.2015					
				Type: M3JM 225SMD 2					
				Product Code: 3GJM221240-_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	67	2966	70	0,86	S1	
Insul.cl.F		400	D 50	67	2966	120	0,86	S1	
IP66		415	D 50	67	2968	121	0,84	S1	
Eff class IE2		50Hz : IE2 - 93.9%(100%) - 93.9%(75%) - 93.0%(50%)							
Resistance				Insulation resistance at 50 °C			Overload		
Line		Ambient: 21 °C		6000 MΩ		1000 V		Torque 160 % 15s	
U ₁ - V ₁		0,03805 Ω							
U ₁ - W ₁		0,03805 Ω							
V ₁ - W ₁		0,03804 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	38,5	1,95		2998	0,07	
Locked rotor test		71,9 D	50	119,0	5,15		0	0,35	
Thermal test (100% load)	215,7	400,0 D	50	120,5	71,3	67,0	2964	0,85	94,0
Partial load points:									
~75% load	161,6	400,1 D	50	93,8	53,5	50,3	2976	0,82	94,0
~50% load	107,8	400,0 D	50	69,5	36,0	33,5	2985	0,75	93,1
~25% load	53,7	400,0 D	50	49,5	18,9	16,8	2990	0,55	88,8
Temperature rise at rated load.				[°C]	[K]	Method		Measurement method	
Stator winding :				76	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. 3GF11094433, on date 2011-12-19, 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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