



Test Report				Date of issue: 25.11.2015						
				Type: M3JM 225SMA 8						
				Product Code: 3GJM224210-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	18,5	734	22,8	0,74	S1		
Insul.cl.F		400	D 50	18,5	734	39,2	0,74	S1		
IP66		415	D 50	18,5	735	40,2	0,72	S1		
Eff class IE2		50Hz : IE2 - 90.0%(100%) - 90.7%(75%) - 90.2%(50%)								
Resistance				Insulation resistance at 40 °C			Overload			
Line		Ambient: 22 °C		1900 MΩ		1000 V		Torque 160 % 15s		
U ₁ - V ₁		0,34960 Ω								
U ₁ - W ₁		0,35000 Ω								
V ₁ - W ₁		0,34970 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		400,1 D	50	19,2	0,61		750	0,05		
Locked rotor test		107,7 D	50	40,1	2,31		0	0,31		
Thermal test (100% load)	240,7	400,1 D	50	39,2	20,4	18,5	735	0,75	90,5	
Partial load points:										
~75% load	180,4	400,1 D	50	31,9	15,2	13,9	739	0,69	91,2	
~50% load	120,4	400,1 D	50	25,7	10,2	9,25	743	0,57	90,7	
~25% load	60,1	400,0 D	50	21,1	5,34	4,62	747	0,37	86,6	
Temperature rise at rated load.			[°C]	[K]	Method		Measurement method			
Stator winding :				61	1		1 Resistance			
Frame :				36	2		2 Thermocouples			
Bearing D-end :				39	2		3 Thermometer			
Ambient Temperature :			25		2					
<p>These tests have been carried out on motor no. 3GF11094417, on date 2012-03-11, 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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