



Test Report				Date of issue: 25.11.2015					
				Type: M3JM 225SMB 8					
				Product Code: 3GJM224220-_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	22	732	26,1	0,81	S1	
Insul.cl.F		400	D 50	22	732	45,3	0,81	S1	
IP66		415	D 50	22	733	45,0	0,75	S1	
Eff class IE3		50Hz : IE3 - 90.6%(100%) - 91.4%(75%) - 91.2%(50%)							
Resistance				Insulation resistance at 35 °C		Overload			
Line		Ambient: 21 °C		3000 MΩ 1000 V		Torque 160 % 15s			
U ₁ - V ₁		0,29520 Ω							
U ₁ - W ₁		0,29540 Ω							
V ₁ - W ₁		0,29510 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	21,1	0,67		750	0,05	
Locked rotor test		106,5 D	50	45,4	2,61		0	0,31	
Thermal test (100% load)	287,0	400,1 D	50	45,3	24,3	22,0	732	0,78	90,4
Partial load points:									
~75% load	215,2	400,0 D	50	36,4	18,1	16,5	737	0,72	91,2
~50% load	143,5	400,1 D	50	28,8	12,1	11,0	742	0,61	91,0
~25% load	71,5	400,1 D	50	23,1	6,30	5,50	746	0,39	87,3
Temperature rise at rated load.				°C	[K]	Method		Measurement method	
Stator winding :				67	1			1 Resistance	
Frame :				42	2			2 Thermocouples	
Bearing D-end :				46	2			3 Thermometer	
Ambient Temperature :				25	2				
<p>These tests have been carried out on motor no. 3GF11094424, on date 2012-02-07, 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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