



Test Report				Date of issue: 23.11.2015					
				Serial No.:					
				Type: M3JM 315LKB 4 IMB3/IM1001					
				Product Code: 3GJM312820-ADK					
				Protection type: Ex d I Mb					
				Cert. No.: LCIE 11 ATEX 3090 X					
				IECEX LCI 04.0007X					
Rating:									
	V	Hz	kW	r/min	A	cos φ	Duty		
3~Motor	690	Y 50	185	1491	186	0,86	S1		
Insul.cl.F	400	D 50	185	1491	322	0,86	S1		
IP66	415	D 50	185	1491	315	0,85	S1		
Eff class IE4									
50Hz : IE4 - 97.0%(100%) - 97.1%(75%) - 96.9%(50%)									
Resistance				Insulation resistance at 31,5 °C					
Line				23000 MΩ 1000 V					
Ambient: 21,5 °C									
U ₁ - V ₁				0,00941 Ω					
U ₁ - W ₁				0,00942 Ω					
V ₁ - W ₁				0,00942 Ω					
				High-voltage test winding 2400 V 60 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	96,2	1,56		1500	0,02	
Locked rotor test		66,8 D	50	322,1	9,95		0	0,27	
Thermal test (100% load)	1185,0	400,1 D	50	321,9	190,8	185,0	1491	0,86	97,0
Partial load points:									
~75% load	883,7	400,0 D	50	251,6	142,9	138,8	1494	0,82	97,1
~50% load	587,5	400,2 D	50	188,0	95,4	92,5	1496	0,73	96,9
~25% load	296,8	400,1 D	50	136,7	48,5	46,3	1498	0,51	95,3
Temperature rise at rated load.				[°C]	[K]	Method		Measurement method	
Stator winding :				43,0	1	1		Resistance	
Frame :				24,1	2	2		Thermometer	
Bearing D-end :				32,0	2	3		Thermocouples	
Ambient Temperature :				25,0	2				
<p>These tests have been carried out on motor no. 3GF11094706, on date 2011-12-04 which is identical in 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> <p>On behalf of customer</p> <p>On behalf of manufacturer Date of test</p> <p>Tested by ABB Oy, Motors and Generators, Vaasa, Finland</p> <p>Telephone +358 10 2211 Telefax +358 10 22 47372</p>									

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