



Test Report				Date of issue: 23.11.2015					
				Type: M3JM 315MLB 4 B3					
				Product Code: 3GJM312420-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	400	D 50	150	1490	263	0,85	S1		
Insul.cl.F	415	D 50	150	1490	258	0,84	S1		
IP66	690	Y 50	150	1490	153	0,85	S1		
Eff class IE4 50Hz : IE4 - 96.8%(100%) - 96.9%(75%) - 96.6%(50%)									
Resistance				Insulation resistance at 43,5 °C					
Line	Ambient: 23,5 °C			1000 MΩ 1000 V					
U ₁ - V ₁	0,01170 Ω								
U ₁ - W ₁	0,01169 Ω								
V ₁ - W ₁	0,01169 Ω								
				High-voltage test winding 1900 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	100,0	1,88		1500	0,03	
Locked rotor test		56,1 D	50	263,0	7,52		0	0,29	
Thermal test (100% load)	961,4	400,3 D	50	263,2	155,0	150,0	1491	0,85	96,8
Partial load points:									
~75% load	718,8	400,4 D	50	207,8	116,1	112,5	1494	0,81	96,9
~50% load	477,0	400,3 D	50	158,2	77,6	75,0	1496	0,71	96,6
~25% load	240,0	400,4 D	50	119,0	39,6	37,5	1498	0,48	94,7
Temperature rise at rated load.				[°C]	[K]	Method	Measurement method		
Stator winding :				39,8	1	1	1 Resistance		
Frame :				21,2	2	2	2 Thermometer		
Bearing D-end :				28,2	2	2	3 Thermocouples		
Ambient Temperature :				25,0		2			
<p>These tests have been carried out on motor no. 3GP11022983, on date 2011-09-11 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</p> <p>Tested by ABB Oy, Motors and Generators, Vaasa, Finland</p>									
						Telephone +358 10 2211			
						Telefax +358 10 22 47372			

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