



Test Report				Date of issue: 19.11.2015					
				Type: M3JM 315MLB 4					
				Product Code: 3GJM312420-_DK					
				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	160	1490	161	0,87	S1		
Insul.cl.F	400	D 50	160	1490	278	0,87	S1		
IP66	660	Y 50	160	1488	167	0,87	S1		
	380	D 50	160	1488	290	0,87	S1		
	415	D 50	160	1490	271	0,86	S1		
	460	D 60	160	1791	241	0,86	S1		
Eff class IE3		50Hz : IE3 - 96.5%(100%)-96.7%(75%)-96.6%(50%)							
		60Hz : IE3 - 96.4%(100%)							
Resistance				Insulation resistance at 44 °C		Overload			
Line		Ambient: 24 °C		1000 MΩ 1000 V		Torque 160 % 15s			
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]	n[r/min]	cos φ	η [%]
No load test		400,0 D	50	100,1	2,00		1500	0,03	
Locked rotor test		59,1 D	50	278,4	8,54		0	0,30	
Thermal test (100% load)	1026	400,1 D	50	278,7	165,4	160,0	1490	0,86	96,7
Partial load points:									
~75% load	770,2	400,1 D	50	218,5	123,9	120,0	1493	0,82	96,9
~50% load	513,6	400,1 D	50	164,2	82,8	80,0	1496	0,73	96,6
~25% load	257,1	400,1 D	50	121,0	42,2	40,0	1498	0,50	94,8
Temperature rise at rated load.			°C	[K]	Method		Measurement method		
Stator winding :			41	1			1 Resistance		
Frame :			20	2			2 Thermocouples		
Bearing D-end :			31	2			3 Thermometer		
Ambient Temperature :			25	2					
<p>These tests have been carried out on motor no. 3GP11022983, on date 2011-08-21 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> <p>Telephone +358 10 2211 Telefax +358 10 22 47372</p>									

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