



Test Report				Date of issue: 23.11.2015					
				Type: M3JM 315MLA 4		Product Code: 3GJM312410_DG			
				Protection type: Ex d I Mb		Cert. No.: LCIE 11 ATEX 3090X /			
				IECEX LCI 04.0007					
Rating:									
		V	Hz	kW	r/min	A	cos φ	Duty	
3~Motor		690	Y 50	200	1486	203	0,86	S1	
Insul.cl.F		400	D 50	200	1486	351	0,86	S1	
IP66		415	D 50	200	1488	342	0,85	S1	
Eff class IE2		50Hz : IE2 - 95.6%(100%) - 95.6%(75%) - 95.3%(50%)							
Resistance				Insulation resistance at 58 °C			Overload		
Line		Ambient: 20 °C		2400 MΩ		1000 V		Torque 160% 15s	
U ₁ - V ₁		0,01020 Ω							
U ₁ - W ₁		0,01021 Ω							
V ₁ - W ₁		0,01020 Ω							
				High-voltage test winding		1800 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		399,8 D	50	111,8	3,14		1500	0,04	
Locked rotor test		71,9 D	50	351,6	13,5		0	0,31	
Thermal test (100% load)	1285	400,1 D	50	352,1	209,3	200,0	1487	0,86	95,5
Partial load points:									
~75% load	964,2	400,1 D	50	272,8	156,7	150,0	1490	0,83	95,7
~50% load	645,3	400,0 D	50	201,1	104,8	100,0	1492	0,75	95,4
~25% load	322,0	400,1 D	50	142,1	53,6	50,0	1496	0,54	93,3
Temperature rise at rated load.				°C	[K]	Method		Measurement method	
Stator winding :				73	1			1 Resistance	
Frame :				46	2			2 Thermocouples	
Bearing D-end :				50	2			3 Thermometer	
Ambient Temperature :				25	2				
<p>These tests have been carried out on motor no. 3GF10056621, on date 2011-01-18, 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> <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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