



Test Report				Date of issue: 19.11.2015					
				Type: M3JM 315LKC 4					
				Product Code: 3GJM312830-_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	250	1490	251	0,87	S1	
Insul.cl.F		400	D 50	250	1490	432	0,87	S1	
IP66		660	Y 50	250	1490	260	0,88	S1	
		380	D 50	250	1490	451	0,88	S1	
		415	D 50	250	1491	427	0,85	S1	
		460	D 60	250	1791	376	0,86	S1	
		50Hz : IE3 - 96.6%(100%)-97.0%(75%)-97.0%(50%)							
Eff class IE3		60Hz : IE3 - 96.7%(100%)							
Resistance				Insulation resistance at 48 °C		Overload			
Line		Ambient: 22 °C		11000 MΩ 1000 V		Torque 160 % 15s			
U ₁ - V ₁		0,00813 Ω							
U ₁ - W ₁		0,00814 Ω							
V ₁ - W ₁		0,00814 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]	n[r/min]	cos φ	η [%]
No load test		400,0 D	50	142,4	2,11		1500	0,02	
Locked rotor test		66,4 D	50	429,0	13,3		0	0,27	
Thermal test (100% load)	1601	400,2 D	50	432,3	258,1	250,0	1490	0,86	96,9
Partial load points:									
~75% load	1202	400,1 D	50	336,7	193,1	187,5	1493	0,83	97,1
~50% load	800,5	400,1 D	50	249,7	128,8	125,0	1495	0,75	97,0
~25% load	399,0	400,2 D	50	178,9	65,3	62,5	1498	0,53	95,8
Temperature rise at rated load.				°C	[K]	Method		Measurement method	
Stator winding :				58	1			1 Resistance	
Frame :				32	2			2 Thermocouples	
Bearing D-end :				46	2			3 Thermometer	
Rotor:				82	3				
Ambient Temperature :				25	2				
<p>These tests have been carried out on motor no. 3GF11094696, on date 2011-12-05 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>									
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