



Test Report				Date of issue: 19.11.2015							
				Type:	M3JM 315MLB 6						
				Product Code:	3GJM313420-_DK						
				Protection type:	Ex d I Mb						
				Cert. No.:	LCIE 11 ATEX 3090 X/						
				Cert. No.:	IECEx LCI 04.0007X						
Rating:				V	Hz	kW	r/min	A	cos φ	Duty	
3-Motor				690	Y 50	110	994	115	0,83	S1	
Insul.cl.F				400	D 50	110	994	202	0,83	S1	
IP66				660	Y 50	110	993	121	0,84	S1	
				380	D 50	110	993	209	0,84	S1	
				415	D 50	110	994	195	0,82	S1	
				460	D 60	110	1194	177	0,81	S1	
Eff class IE3				50Hz : IE3 - 95.7%(100%)-96.1%(75%)-95.9%(50%)							
				60Hz : IE3 - 96.1%(100%)							
Resistance				Insulation resistance at 45,0 °C				Overload			
Line				2000 MΩ				1000 V			
Ambient: 23,5 °C								Torque 160 % 15s			
U ₁ - V ₁				0,02185 Ω							
U ₁ - W ₁				0,02187 Ω							
V ₁ - W ₁				0,02188 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	77,2	1,35		1000	0,03			
Locked rotor test		78,6 D	50	197,0	7,01		0	0,26			
Thermal test (100% load)	1058	400,4 D	50	202,1	114,2	110,0	994	0,82	96,4		
Partial load points:											
~75% load	793,8	400,4 D	50	159,4	85,4	82,5	995	0,77	96,6		
~50% load	530,0	400,5 D	50	121,6	57,0	55,0	997	0,68	96,4		
~25% load	263,0	400,6 D	50	92,2	29,0	27,5	999	0,46	94,7		
Temperature rise at rated load.				[°C]	[K]	Method		Measurement method			
Stator winding :				40	1			1 Resistance			
Frame :				24	2			2 Thermocouples			
Bearing D-end :				31	2			3 Thermometer			
Ambient Temperature :				25	2						
<p>These tests have been carried out on motor no. 3GP11022755, 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>											
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