



Test Report				Date of issue: 19.11.2015							
				Type: M3JM 315MLA 8 Product Code: 3GJM314410-_DL 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	110	740	123	0,80	S1	
Insul.cl.F				400	D 50	110	740	211	0,80	S1	
IP66				415	D 50	110	740	207	0,79	S1	
				440	D 60	110	891	193	0,80	S1	
				460	D 60	110	892	182	0,81	S1	
Eff class IE3				50Hz: IE3-93.7%(100%) - 94.0%(75%) - 94.1%(50%) 60Hz: IE3-94.1%(100%)							
Resistance				Insulation resistance at 25 °C				Overload			
Line				R > 2000 Mohm 1000 V				Torque 160 % 15s			
U ₁ - V ₁				Ambient: 25 °C							
				##### Ω							
U ₁ - W ₁				##### Ω							
V ₁ - W ₁				##### 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		400,6 D	50	77,5	2,00		1500	0,04			
Locked rotor test		93,7 D	50	202,5	8,68		0	0,26			
Thermal test (100% load)	1423	400,0 D	50	210,7	117,4	110,0	738	0,80	93,7		
Partial load points:											
~75% load	1064	400,0 D	50	164,8	87,8	82,5	740	0,77	94,0		
~50% load	706,3	400,0 D	50	124,3	58,5	55,0	744	0,68	94,1		
~25% load	351,8	400,0 D	50	92,3	29,9	27,5	747	0,47	91,9		
Temperature rise at rated load.				°C	[K]	Method		Measurement method			
Stator winding :				79	1			1 Resistance			
Frame :				42	2			2 Thermocouples			
Bearing D-end :				54	2			3 Thermometer			
Ambient Temperature :				25	2						
<p>These tests have been carried out on motor no. 75031403008001B, on date 2011-11-07 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>											
On behalf of customer											
On behalf of manufacturer											
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