



Test Report				Date of issue: 21.5.2015					
Customer:				Serial No.:					
Customer ref.:				Order No.:					
				Type: M3GP 160MLA 6					
				Product Code: 3GGP163410-ADK					
				Protection type: Ex nA IIC T3 Gc					
				Cert. No.: LCIE 13 ATEX 1034 X /					
				IECEX LCIE 13.0047 X					
Rating:									
	V	Hz	kW	r/min	A	cos φ	Duty		
3-Motor	690	Y 50	7,5	980	8,8	0,78	S1		
Insul.cl.F	400	D 50	7,5	980	15,2	0,78	S1		
IP55	660	Y 50	7,5	977	9,1	0,80	S1		
	380	D 50	7,5	977	15,7	0,80	S1		
	415	D 50	7,5	981	14,8	0,77	S1		
	460	D 60	7,5	1182	13,5	0,76	S1		
Eff class IE3	50Hz : IE3-90,8(100%)-91,5(75%)-91,0(50%)								
	60Hz : IE3-91,4(100%)								
Resistance				Insulation resistance at 23 °C		Overload			
Line	Ambient: 21,8 °C			R > 2000 Mohm 1000 V		Current 150 % 120s			
U1 - V1	0,7040 Ω					Torque 160 % 15s			
U1 - W1	0,7012 Ω					Speed 120 % 120s			
V1 - W1	0,7020 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 j	η [%]
No load test		400 D	50	7,3	0,26		1000	0,05	
Locked rotor test		89 D	50	14,9	0,59		0	0,26	
Thermal test (100% load)	73,1	400 D	50	15,5	8,25	7,50	980	0,77	90,88
Partial load points:									
~75% load	55,1	400 D	50	12,6	6,23	5,69	986	0,71	91,33
~50% load	37,9	400 D	50	10,3	4,33	3,94	990	0,61	90,84
~25% load	19,0	400 D	50	8,3	2,28	1,98	995	0,40	86,83
Temperature rise at rated load.				[°C]	[K]	Method	Measurement method		
Stator winding :				30,6	1	1 Resistance			
Frame :				18,9	2	2 Thermometer			
Bearing D-end :				18,0	2	3 Thermocouples			
Ambient Temperature :				23	2				
<p>These tests have been carried out on motor no. 3GV1110782960001, on date 2011-10-07 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 Date of test</p> <p>Tested by ABB AB, LV Motors, 721 70 Västerås, Sweden</p> <p>Telephone +46 (0)21 32 90 00 Telefax +46 (0)21 32 90 22</p>									

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