



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 tb IIIB/C T125C Db						
				Cert. No.: LCIE 13 ATEX 3067 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			
IP65	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			Ambient: 21,8 °C				Insulation resistance at 23 °C		Overload	
Line	U1 - V1		0,7040 Ω		R > 2000 Mohm		1000 V		Current	150 % 120s
	U1 - W1		0,7012 Ω						Torque	160 % 15s
	V1 - W1		0,7020 Ω						Speed	120 % 120s
				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					
These tests have been carried out on motor no. 3GV1110782960001, on date 2011-10-07 which is identical in electrical design with the above.										
Manufactured and tested in accordance with rules of IEC 60034-1 and IEC 60034-2-1. PLL determined from residual loss.										
On behalf of customer										
On behalf of manufacturer				Date of test						
Tested by ABB AB, LV Motors, 721 70 Västerås, Sweden						Telephone +46 (0)21 32 90 00 Telefax +46 (0)21 32 90 22				

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