



Test Report				Date of issue: 28.5.2015						
Customer:				Serial No.:						
Customer ref.:				Order No.:						
				Type: M3GP 200MLB 6						
				Product Code: 3GGP203420-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	22,0	990	24,9	0,79	S1		
Insul.cl.F		400	D 50	22,0	990	43,0	0,79	S1		
IP55		660	Y 50	22,0	988	25,2	0,82	S1		
		380	D 50	22,0	988	43,7	0,82	S1		
		415	D 50	22,0	991	43,2	0,76	S1		
		460	D 60	22,0	1191	37,7	0,78	S1		
Eff class IE3		50Hz : IE3-93,3(100%)-93,7(75%)-93,1(50%)								
		60Hz : IE3-93,8(100%)								
Resistance				Insulation resistance at 24 °C				Overload		
Line		Ambient: 22,8 °C		R > 2000 Mohm		1000 V		Current 150 % 120s		
U ₁ - V ₁		0,2082 Ω						Torque 160 % 15s		
U ₁ - W ₁		0,2082 Ω						Speed 120 % 120s		
V ₁ - W ₁		0,2083 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		402 D	50	17,4	0,67		1000	0,06		
Locked rotor test		89,1 D	50	48,0	2,48		0	0,33		
Thermal test (100% load)	212,3	400 D	50	42,2	23,66	22,00	989	0,81	92,99	
Partial load points:										
~75% load	160,4	400 D	50	34,0	17,90	16,67	993	0,76	93,11	
~50% load	106,5	400 D	50	26,3	12,02	11,10	995	0,66	92,35	
~25% load	55,4	400 D	50	20,5	6,53	5,79	998	0,46	88,64	
Temperature rise at rated load.				°C	[K]	Method		Measurement method		
Stator winding :				55,7	1			1 Resistance		
Frame :				47,1	2			2 Thermometer		
Bearing D-end :				41,3	2			3 Thermocouples		
Ambient Temperature :				24	2					
<p>These tests have been carried out on motor no. 3GV0910352497001, on date 2009-10-08 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>										
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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