



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 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	22,0	990	24,9	0,79	S1			
Insul.cl.F		400	D 50	22,0	990	43,0	0,79	S1			
IP65		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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