



Test Report				Date of issue: 29.5.2015						
Customer:				Serial No.:						
				Order No.:						
Customer ref.:				Type: M3GP 250SMA 6						
				Product Code: 3GGP253210-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	37,0	991	39,4	0,83	S1
Insul.cl.F				400	D 50	37,0	991	68,0	0,83	S1
IP65				660	Y 50	37,0	990	41,0	0,84	S1
				380	D 50	37,0	990	71,1	0,84	S1
				415	D 50	37,0	992	66,3	0,82	S1
				460	D 60	37,0	1192	59,9	0,82	S1
Eff class IE3				50Hz : IE3-94,4(100%)-94,9(75%)-94,7(50%) 60Hz : IE3-94,5(100%)						
Resistance				Insulation resistance at 22,1 °C				Overload		
Line				R > 2000 Mohm 1000 V				Current 150 % 120s		
U ₁ - V ₁				Ambient: 21,0 °C				Torque 160 % 15s		
U ₁ - W ₁				0,10310 Ω				Speed 120 % 120s		
V ₁ - W ₁				0,10290 Ω						
				0,10310 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]	η[r/min]	cos φ	η [%]	
No load test		400,4 D	50	29,5	0,69		1000	0,03		
Locked rotor test		89,2 D	50	77,1	3,97		0	0,33		
Thermal test (100% load)	356,5	400 D	50	70,4	39,14	37,00	991	0,80	94,52	
Partial load points:										
~75% load	271,5	400 D	50	56,6	29,78	28,25	994	0,76	94,87	
~50% load	180,9	400 D	50	43,9	19,94	18,87	996	0,66	94,63	
~25% load	93,1	400 D	50	34,2	10,54	9,73	999	0,44	92,33	
Temperature rise at rated load.				°C	K	Method		Measurement method		
Stator winding :				53,3	1			1 Resistance		
Frame :				37,1	2			2 Thermometer		
Bearing D-end :				34,4	2			3 Thermocouples		
Ambient Temperature :				22	2					
These tests have been carried out on motor no. 3GV1210866507002, on date 2012-02-13 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										

Computer print-out valid without signature.