



Test Report				Date of issue: 29.5.2015						
Customer:				Serial No.:						
Customer ref.:				Order No.:						
				Type: M3GP 250SMA 4						
				Product Code: 3GGP252210-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	55,0	1485	56,7	0,85	S1		
Insul.cl.F		400	D 50	55,0	1485	97,8	0,85	S1		
IP65		660	Y 50	55,0	1482	58,8	0,86	S1		
		380	D 50	55,0	1482	102,0	0,86	S1		
		415	D 50	55,0	1486	95,2	0,88	S1		
		460	D 60	55,0	1787	85,8	0,89	S1		
Eff class IE3		50Hz : IE3-95,4(100%)-95,9(75%)-95,7(50%) 60Hz : IE3-95,7(100%)								
Resistance				Insulation resistance at 22,3 °C			Overload			
Line		Ambient: 22,1 °C		R > 2000 Mohm 1000 V			Curren 150 % 120s Torque 160 % 15s Speed 120 % 120s			
U ₁ - V ₁		0,04910 Ω								
U ₁ - W ₁		0,04895 Ω								
V ₁ - W ₁		0,04915 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		401,8 D	50	39,1	1,08		1500	0,04		
Locked rotor test		70,6 D	50	104,5	4,61		0	0,36		
Thermal test (100% load)	353,7	400 D	50	98,9	57,52	55,00	1485	0,84	95,62	
Partial load points:										
~75% load	267,0	400 D	50	78,7	43,44	41,63	1489	0,80	95,83	
~50% load	177,0	400 D	50	60,1	28,99	27,67	1493	0,70	95,46	
~25% load	89,9	400 D	50	46,5	15,26	14,09	1497	0,47	92,30	
Temperature rise at rated load.				[°C]	[K]	Method		Measurement method		
Stator winding :		52,1		1		1		1 Resistance		
Frame :		35,3		2		2		2 Thermometer		
Bearing D-end :		37,2		2		2		3 Thermocouples		
Ambient Temperature :		22		2		2				
<p>These tests have been carried out on motor no. 3GV1110649673003, on date 2011-01-21 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			

Computer print-out valid without signature.