



Test Report				Date of issue: 29.5.2015						
Customer:				Serial No.:						
				Order No.:						
Customer ref.:				Type: M3GP 225SMB 4						
				Product Code: 3GGP222220-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	45,0	1482	46,5	0,85	S1
Insul.cl.F				400	D 50	45,0	1482	80,2	0,85	S1
IP65				660	Y 50	45,0	1479	48,3	0,86	S1
				380	D 50	45,0	1479	83,9	0,86	S1
				415	D 50	45,0	1483	78,3	0,84	S1
				460	D 60	45,0	1483	70,5	0,84	S1
Eff class IE3				50Hz : IE3-95,2(100%)-95,6(75%)-95,5(50%)						
				60Hz : IE3-95,3(100%)						
Resistance				Insulation resistance at 24 °C				Overload		
Line				Ambient: 24,2 °C				R > 2000 Mohm 1000 V		
U ₁ - V ₁				0,06776 Ω				Current 150 % 120s		
U ₁ - W ₁				0,06779 Ω				Torque 160 % 15s		
V ₁ - W ₁				0,06779 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]	η[r/min]	cos φ	η [%]	
No load test		398,9 D	50	28,7	0,64		1500	0,03		
Locked rotor test		71,3 D	50	80,6	3,36		0	0,34		
Thermal test (100% load)	290,2	400 D	50	80,4	47,27	45,00	1481	0,85	95,19	
Partial load points:										
~75% load	219,1	400 D	50	63,4	35,66	34,09	1486	0,81	95,61	
~50% load	147,1	400 D	50	47,7	24,04	22,97	1491	0,73	95,55	
~25% load	74,9	400 D	50	35,1	12,51	11,73	1496	0,51	93,82	
Temperature rise at rated load.				[°C]	[K]	Method	Measurement method			
Stator winding :				68,6	1	1 Resistance				
Frame :				54,3	2	2 Thermometer				
Bearing D-end :				46,4	2	3 Thermocouples				
Ambient Temperature :				25	2					
These tests have been carried out on motor no. 3GV1110796900001, on date 2011-09-20 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										
Telephone +46 (0)21 32 90 00										
Tested by ABB AB, LV Motors, 721 70 Västerås, Sweden Telefax +46 (0)21 32 90 22										

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