



Test Report		Cert. No. ATEX Cert.No.LCIE 06 ATEX 6089 IECEX Cert. No. IECEX LCI 07.0001	
Customer:		Date of Issue	
Customer ref.:		Type: M3GP 225SMB 4 Protection type: Ex nA II T3 Serial no.: Tag no.: Order no.:	
Rating: 3~Motor		Product Code 3GGP 222 220 - _DG	
Insul.cl. F		V	Hz
S1		kW	r/min
IP 55		A	cos φ
355 kg			
690 Y		50	37
400 D		50	37
660 Y		50	37
380 D		50	37
415 D		50	37
440 D		60	43
Resistance		Insulation resistance	
U ₁ -V ₁ 0,0973 Ω		10000 MΩ 1000 V	
U ₁ -W ₁ 0,0973 "		56,5°C	
V ₁ -W ₁ 0,0973 "		High-voltage test	
		2400 V 60 s	
Overload test		1,6 x T _N 15 s	
Test		Line U[V]	f[Hz]
No-load test		400,0 D	50
Locked-rotor test		79,2 D	50
Temperature-rise test		400,1 D	50
		Input I[A]	P ₁ [kW]
		23,8	0,951
		69,1	3,59
		67,8	39,67
		Output P ₂ [kW]	η[r/min]
		37,0	1479
		cos φ	η [%]
		0,0578	
		0,3792	
		0,84	93,3
Temperature rise at amb.temp. 25 °C		Temperature rise at amb. temp. 25 °C	
[K] Method		[K] Method	
Stator winding 59,7 1		Frame 35,7 3	
		Bearing D-end 40,5 3	
		Rotor 94,2 3	
Measurement method			
1 Resistance			
2 Embedded temp. detector			
3 Thermometer			
These tests have been carried out on motor no. 0925-010304200D, 2010-03-11 which is identical in 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			
Tested by ABB Oy Motors/Vaasa			