



Test Report						Cert. No. LCIE 06 ATEX 6089			
Customer:						Date of Issue			
Customer ref.:						Type: M3GP 355MLB 6 Protection Ex nA II T3 type: Serial no.: Tag no.: Order no.:			
Rating: 3~Motor		Product Code 3GGP 353 420 – _DG							
		V	Hz	kW	r/min	A	cos φ	I _A /I _N	T _E [s]
Insul.cl. F		690 Y	50	315	992	330	0.83		
S1		400 D	50	315	992	570	0.83		
IP 55		660 Y	50	315	991	342	0.84		
2180 kg		380 D	50	315	991	592	0.84		
		415 D	50	315	993	556	0.82		
		440 D	60	360	1191	585	0.84		
Resistance			Insulation resistance			Overload test			
U ₁ -V ₁ 0,00609 Ω 20 °C			6000 MΩ 1000 V			1,6 x T _N 15 s			
U ₁ -W ₁ 0,00610 "			61,5 °C						
V ₁ -W ₁ 0,00610 "			High-voltage test						
			1900 V 60 s						
Test		Line		Input		Output			
		U[V]	f[Hz]	I[A]	P ₁ [kW]	P ₂ [kW]	n[r/min]	cos φ	η [%]
No-load test		400,0 D	50	199	4,77			0,0346	
Locked-rotor test		75,6 D	50	570	23,0			0,3077	
Temperature-rise test		400,5 D	50	572	327,8	315	992	0,83	96,1
Temperature rise at amb.temp. 25 °C			Temperature rise at amb. temp. 25 °C			Measurement method			
[K] Method			[K] Method			1 Resistance			
Stator winding 67,4 1			Frame 28,9 3			2 Embedded temp. detector			
			Bearing D-end 52,5 3			3 Thermometer			
<p>These tests have been carried out on motor no. 3GF10019494B, 2010-04-12 which is identical in 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									
Tested by ABB Oy Motors/Vaasa									