



Test Report						Cert. No.			
						Date of Issue			
Customer:						Type: M3LP 400LB 6			
						Protection type:			
Customer ref.:						Serial no.:			
						Tag no.:			
						Order no.:			
Rating: 3-Motor		Product Code 3GLP403520-_DG							
		V	Hz	kW	r/min	A	cos φ		
Insul.cl. F		690 Y	50	630	993	650	0.84		
S1		400 D	50	630	993	1122	0.84		
IP 55		660 Y	50	630	992	673	0.85		
3150 kg		380 D	50	630	992	1169	0.85		
		415 D	50	630	993	1108	0.82		
		440 D	60	710	1192	1139	0.85		
Resistance			Insulation resistance			Overload test 1,6 x T _N 15s			
U ₁ -V ₁ 0,002764 Ω 25,0°C			5000 MΩ 1000 V			Starting Current I _s /I _N = 5,99			
U ₁ -W ₁ 0,002763 "			56,0°C						
V ₁ -W ₁ 0,002767 "			High-voltage test						
			1900 V 60s						
Test		Line U[V]	f[Hz]	Input I[A]	P ₁ [kW]	Output P ₂ [kW]	n[r/min]	cos φ	η [%]
No-load test		400,1 D	50	376,5	6,643			0,0255	
Locked-rotor test		89,4 D	50	1122,6	29,972			0,1725	
Temperature-rise test		400,6 D	50	1127,7	653,79	630,00	993	0,837	96,4
Temperature rise at amb.temp. 25,0°C			Temperature rise at amb. temp. 25,0°C			Measurement method			
[K] Method			[K] Method			1 Resistance			
Stator winding 56,3 1			Frame 21,8 3			2 Embedded temperature detector			
			Bearing D-end 39,5 3			3 Thermometer			
<p>These tests have been carried out on motor no. 3GF11076701B, on date 2011-07-13, 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									
ABB Oy, Motors and Generators, Vaasa, Finland									