



Test Report						Cert. No. LCIE 06 ATEX 6049						
Customer:						Date of Issue						
Customer ref.:						Type: M3HP 132SMB 4 Protection Ex e II T3 type: Serial no.: Tag no.: Order no.:						
Rating: 3-Motor		Product Code 3GHP132220- DG										
		V	Hz	kW	r/min	A	cos φ	I _a /I _N	T _E [s]			
Insul.cl. F		690 Y	50	5.5	1448	6.6	0.80	6.7	13			
S1		400 D	50	5.5	1448	11.4	0.80	6.7	13			
IP 55		440 D	60	6.3	1740	11.4	0.82	7.5	12			
93 kg		415 D	50	5.5	1452	11.3	0.78	7	13			
		660 Y	50	5.5	1440	6.8	0.83	6.2	15			
		380 D	50	5.5	1440	11.8	0.83	6.2	15			
Resistance			Insulation resistance			Overload test 1,6 x T _N 15s						
U ₁ -V ₁ 1,469 Ω			15000 MΩ 1000 V			Starting Current I _s /I _N = 6,26						
U ₁ -W ₁ 1,469 "			42,5°C									
V ₁ -W ₁ 1,470 "			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	5,907		0,320				0,0781	
Locked-rotor test		77,5 D		50	11,402		0,829				0,5410	
Temperature-rise test		400,0 D		50	11,35		6,33	5,50		1451	0,805	86,9
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 42,5 1			Frame 11,5 3			2 Embedded temperature detector						
			Bearing D-end 24,1 3			3 Thermometer						
<p>These tests have been carried out on motor no. 3GF11074993B, on date 2011-07-21, 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												