




Trixy Aviation





Trisvy Aviation



MODEL OVERVIEW OF THE SERIES G4-2



G 4-2 is a gyrocopter of the modern generation with 2 seats in Tandem configuration:

- Welded frame of certified stainless steel alloy.
- Fuselage and empennage made of carbon fiber in sandwich construction.
- Rotor controls with fork and control bars made of anodized Aluminum with integrated bearings.
- Electric nick trim with controls from the front seat.
- Pilot controls from the front seat including throttle, chock, wheel brake controls, rotor control stick (equipped with PTT and trim switches) and pedals to control the front wheel and the rudder.
- 1 Anti-Explosion tank, 34 l (32.5 l usable) with lockable filler cap.
- Mechanical Pre-Rotator controlled by a pedal from the front seat.
- Complete wiring for all components with switches and circuit breakers in the dashboard.
- Main gear strut made of mixed composites with Beringer-Aero Aluminum wheels and hydraulic brakes.
- Steerable nose wheel with stainless steel fork and Beringer-Aero wheel.
- Seats with structure made of carbon fiber, foam padding and 2-color covers.
- 2 luggage compartments under the rear seat with 20 l volume each.

The following drives are available for the series **G 4-2**:

Engines:	Rotax 912 ULS: Rotax 914 UL: Trixy 912 TI:	4 cylinders opposed with twin carburetors (100 HP) 4 cylinders opposed with twin carburetors and Turbocharger (115 HP) 4 cylinders opposed with 4-Point fuel injection and Turbocharger (130 HP)
Propellers:	DUC Windspoon: Neuform CL3: Neuform XL3:	3-blade ground adjustable (not available with 130 HP) 3-blade Constant Speed controlled 3-blade Constant Speed controlled
Rotor heads:	KK-1: TS-1:	Rotor head in conventional tilt-head configuration Rotor head with swash plate control
Rotor:	Averso 84: Averso 86:	2-blade Rotor made of aviation Aluminum, 8.4 m diameter 2-blade Rotor made of aviation Aluminum, 8.6 m diameter

G 4-2 is built in accordance with the most recent German construction guidelines for ultra-light gyrocopters and is certified for a MTOW of 560 kg. For safety reasons, **Trixy Aviation** limited the MTOW with 100 HP to 500 kg and with 115 HP to 530 kg.

G 4-2 is available in 2 models: **Liberty** and **Princess**.

Liberty

Liberty is an entry-level model, which is basically designed to operate with an open cabin. This model, however, can be converted with an optional kit into a gyrocopter to fly with a closed cabin. There were no safety compromises in this budget model and it is delivered with a 1 year manufacturer warranty (max. 200 hours of operation). The configuration with minimum equipment includes:



- Instrument panel including 1 electronic Instrument (EMSIS II) for monitoring the engine and the fuel quantity, 1 electronic Instrument for engine RPM and rotor RPM, mechanical air speed indicator, altitude indicator and a magnetic compass.
- Windshield made of Polycarbonate 3 mm.
- Hinged entry cover made of carbon fiber composites with locking mechanism.
- Seat cushions covered with sky-leather.

Technical Data:

Length x width x height:	4.9 x 1.88 x 2.8 m
MTOW (depending on engine HP):	500 – 560 kg
Empty weight (depending on engine type and equipment):	245 – 300 kg
Payload (depending on engine type and equipment):	255 – 260 kg

The following data were demonstrated with takeoff weight of 500 kg, Rotax 912 ULS and 8.4 m rotor:

Min. horizontal air speed:	40 km/h IAS
Speed for best climb V _x :	80 km/h IAS
Speed for best climb V _y :	90 km/h IAS
Best climb rate:	4 m/s
Take-off distance:	80-120 m
Take-off distance over 15 m:	300 m
Landing distance:	0-20 m
Landing distance over 15 m:	150 m
Max. altitude with Rotax 912 ULS / Rotax 914 UL / Trixy 912 TI:	8000 / 10000 / 12000 feet

The following comprehensive accessory list is available for the model *Liberty*:

Heating system:	heat exchanger and Pump for 2 overalls using engine heat
Co-pilot/instructor controls:	control stick with PTT button, pedals, throttle and brake lever
Banking trim:	Electric banking Trim
Special Metallic paint:	Surface finish for cabin and empennage
3-layer paint:	Weather proof paint
Cabin internal paint:	Painting the inside walls of the cabin
Special cushions:	Upholstery with high quality foam padding
Cabin carpet:	Custom carpeting for the entire cabin
Transceiver:	Type Funkwerk ATR 833 including wiring and Antenna
Transponder:	Type Funkwerk TRT 800 H including wiring and Antenna
ELT:	Type Ameri-King AK-451 built in with Antenna
NESIS II:	Glass-Cockpit NESIS II instead of EMSIS II

ADS-B + Flarm:
Co-Pilot/instructor instrument:
Landing light:
LED navigation light + strobe:
Auxiliary fuel tank:
Auxiliary fuel pump:
Wheel fairings:
Bush wheels:
Snow skies:
Weather proof cover:
Conversion kit:
Removable canopy glass:

Traffic advisory system (available only with NESIS II)
EMSIS II to display parallel Flight and engine data for the back seat.
A landing light under the cabin floor
Combined LED navigation and strobe lights on both sides of the cabin
Anti-explosion tank 34 (32.5 l usable) connected with the main tank
Electric fuel pump connected parallel to the main fuel pump
Painted, aerodynamic covers for the main wheels
large size wheels for the landing gear (no wheel fairing available)
Skies mounted with standard wheels in the landing gear
Cover for the cabin and the engine compartment
Canopy with integrated windshield without removable canopy glass
Removable glass for the canopy to enclose the cabin (needs canopy)



Princess

Princess is the top model, which is basically designed to operate with a closed cabin. This model, however, can be converted with an optional kit into a gyrocopter to fly with an open cabin. This top model emphasis was placed on high standards, safety and quality. It is delivered with a 2 year full warranty (max. 500 of operation hours). The configuration with minimum equipment includes:



- Instrument panel including a glass cockpit (NESIS II) with flight information, navigation with moving map, electronic compass, engine monitoring instruments, fuel computer, flight/pilot logbook and much more in addition to 1 mechanical air speed indicator, 1 altitude indicator and a magnetic compass.
- Painted canopy made of carbon fiber composite with integrated windshield made of PMMA 3 mm.
- 2 integrated LED landing lights in the nose of the cabin
- Seat cushions with high quality padding covered with leather.
- Custom carpeting for the entire cabin

Technical Data:

Length x width x height:	4.9 x 1.88 x 2.8 m
MTOW (depending on engine HP):	500 – 560 kg
Empty weight (depending on engine type and equipment):	255 – 310 kg
Payload (depending on engine type and equipment):	245 – 255 kg

The following data were demonstrated with takeoff weight of 500 kg, Rotax 912 ULS and 8.4 m rotor:

Min. horizontal air speed:	40 km/h IAS
Speed for best climb V _x :	80 km/h IAS
Speed for best climb V _y :	90 km/h IAS
Best climb rate:	4 m/s
Take-off distance:	80-120 m
Take-off distance over 15 m:	300 m
Landing distance:	0-20 m
Landing distance over 15 m:	150 m
Max. altitude with Rotax 912 ULS / Rotax 914 UL / Trixy 912 TI:	8000 / 10000 / 12000 feet

The following comprehensive accessory list is available for the model *Princess*:

Removable canopy glass:	Removable framed PMMA glass on top of the canopy
Heating system:	heat exchanger and fan for the entire cabin using engine heat
Co-pilot/instructor controls:	control stick with PTT button, pedals, throttle and brake lever
Banking trim:	Electric banking Trim
Special Metallic paint:	Surface finish for cabin and empennage
3-layer paint:	Weather proof paint
Cabin internal paint:	Painting the inside walls of the cabin
Transceiver:	Type Funkwerk ATR 833 including wiring and Antenna
Transponder:	Type Funkwerk TRT 800 H including wiring and Antenna
ELT:	Type Ameri-King AK-451 built in with Antenna
ADS-B + Flarm:	Traffic advisory system (available only with NESIS II)
Board camera:	Board camera with remote control and display on NESIS II
Co-Pilot/instructor instrument:	EMSIS II to display parallel Flight and engine data for the back seat.
LED navigation light + strobe:	Combined LED navigation and strobe lights on both sides of the cabin
Auxiliary fuel tank:	Anti-explosion tank 34 (32.5 l usable) connected with the main tank
Auxiliary fuel pump:	Electric fuel pump connected parallel to the main fuel pump
Wheel fairings:	Painted, aerodynamic covers for the main wheels
Bush wheels:	large size wheels for the landing gear (no wheel fairing available)
Snow skies:	Skies mounted with standard wheels in the landing gear
Weather proof cover:	Cover for the cabin and the engine compartment
Conversion kit:	Canopy with integrated windshield without removable canopy glass
Removable canopy glass:	Removable glass for the canopy to enclose the cabin (needs canopy)





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