



SAFETY | PERFORMANCE | SOPHISTICATION



**MC-01**  
Brochure **2025**

## SAFETY | PERFORMANCE | SOPHISTICATION

The **MONTAER MC-01** is a cutting-edge MOSAIC-Ready Light-Sport Aircraft that redefines excellence in aviation. Building on the legacy of the Paradise Aircraft family, this high-wing design combines an all-metal airframe with meticulous craftsmanship to deliver unmatched performance and durability.

Safety and innovation are at the core of the MC-01. Its advanced design features a reinforced passenger safety cell, dual yokes for enhanced control, and the ultimate Garmin G3X avionics suite, offering pilots unparalleled situational awareness and navigation capabilities. Engineered for low-cost maintenance and efficient operation, the MC-01 is particularly well-suited for flight training programs and recreational pilots seeking reliability and ease of use.

MONTAER achieved FAA acceptance as an LSA in 2019, meeting stringent ASTM international standards. By 2021, the company established a permanent U.S. presence, offering comprehensive sales, support, and training services. This milestone underscores MONTAER's commitment to delivering high-quality sport-flying experiences to discerning pilots and institutions.

With its proven safety, cost-effectiveness, superior engineering, and cutting-edge Garmin G3X suite, the MONTAER MC-01 stands out as the ideal choice for flight schools and aviation enthusiasts alike.

## PREMIUM CRAFTSMANSHIP

Step into the Monteer MC-01 and **experience** the pinnacle of luxury in light-sport aviation. The cabin, renowned for being the roomiest in its class, offers unparalleled **comfort** and impressive luggage capacity. The high-wing design ensures optimal visibility, while dual yokes provide an intuitive and safe piloting experience. Cutting-edge avionics, featuring dual-screen displays, seamlessly deliver all essential flight information, enhancing both safety and ease of navigation.

Indulge in the exquisite premium real leather seats, expertly crafted to provide maximum comfort and ergonomic support. The Monteer MC-01's cabin sets a new standard for quietness and comfort, with decibel levels significantly lower than those of other light-sport models. Ambient soft LED lighting (available in IFR-equipped versions) and top-tier materials elevate the cabin to unmatched **sophistication**. Every detail of the Monteer MC-01 reflects meticulous craftsmanship, while remaining lightweight and offering an exceptional, stable flying experience that redefines luxury in light-sport aircraft.

*“Superb in every detail”*



# THE IMPOSSIBLE ENGINE

# ROTAX 916iS *Turbocharged*

Now, MONTAER proudly offers the new ROTAX 916 iS Turbocharged engine, delivering an impressive **160 HP** for unmatched performance.

The Rotax 916 iS engine is a dynamic and turbocharged power unit designed for high performance in light sport and ultralight aircraft. It features a four-stroke piston configuration with four liquid and air-cooled cylinders. This engine is equipped with redundant electronic fuel injection and ignition systems, along with an eco mode to optimize fuel efficiency.

## **SPECIFICATIONS:**

**Power:** 160 horsepower at 5800 RPM

**Torque:** 193 Nm at 5800 RPM

**Displacement:** 1352 cm<sup>3</sup>

**Bore and Stroke:** 84.0 mm x 61.0 mm

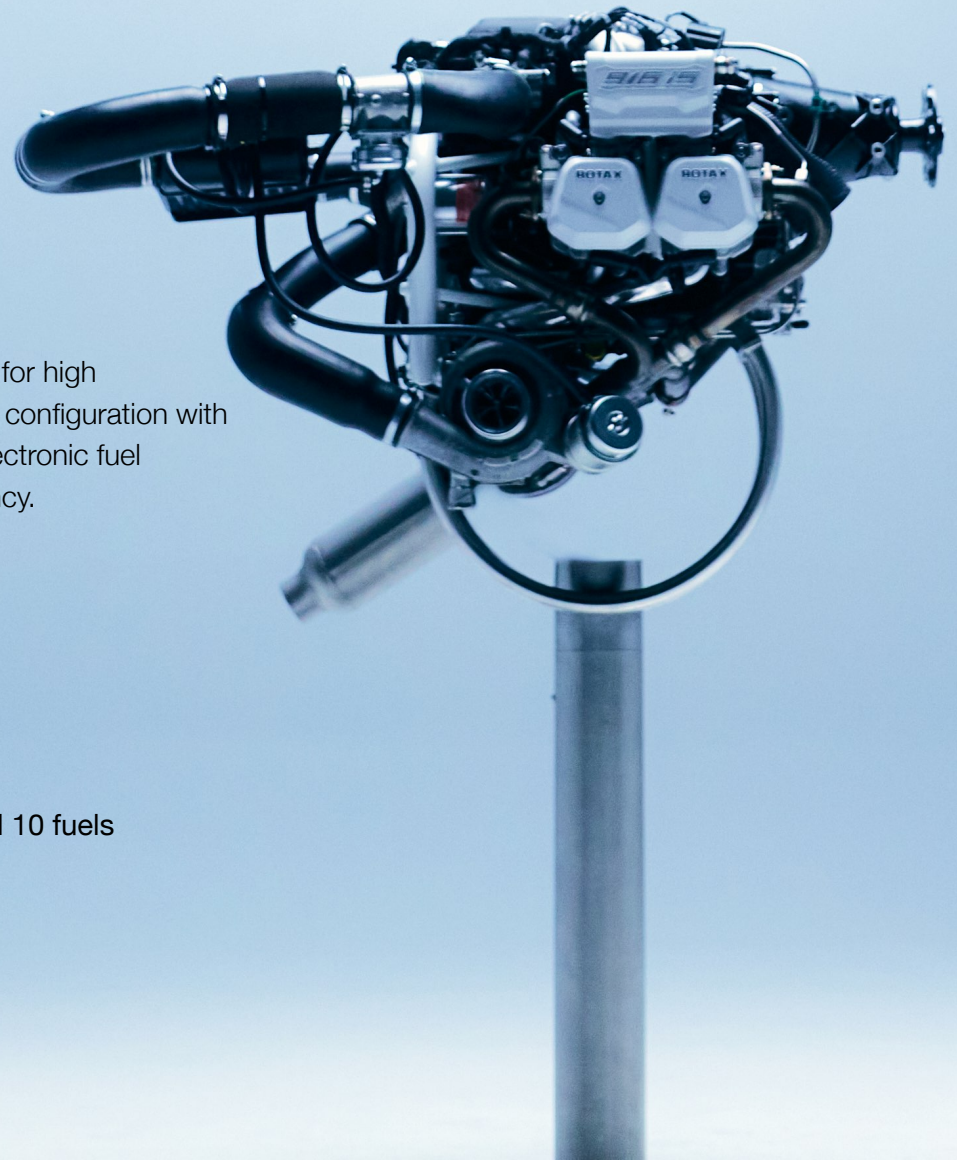
**Weight:** 85.8 kg (189 lb) without additional components

**Fuel Compatibility:** Can use leaded, unleaded, AVGAS 100LL, and Ethanol 10 fuels

**Maximum Operating Altitude:** 23,000 feet

**Take-Off Power:** Maintained up to 15,000 feet

**Time Between Overhauls (TBO):** 2,000 hours

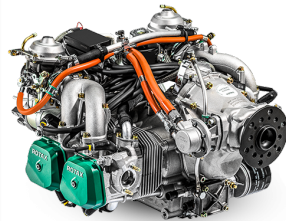


## POWERFUL **ROTAX®** POWER-PLANT



MONTAER AIRCRAFT offers a total of four configurations of the certified, reliable, and award-winning ROTAX powerplant, each meticulously engineered to meet diverse applications and mission requirements.

**In addition to the powerful 916 iS Turbocharged engine, we proudly offer the following specifications:**



**ROTAX 912 ULS**

**ROTAX 912 iS**

**ROTAX 915 iS**

	ROTAX 912 ULS	ROTAX 912 iS	ROTAX 915 iS
<b>Type</b>	Carburated	Injected	Injected
<b>Power</b>	100 HP	100 HP	141 HP Turbocharged
<b>Performance</b>	73.5 Kw	73.5 Kw	104 Kw
<b>Torque</b>	128 Nm	132 Nm	132 Nm
<b>Max RPM</b>	5,800	5,800	5,800

The Garmin logo is displayed in white, bold, sans-serif capital letters on a black rectangular background.

## ULTIMATE **GARMIN**® AVIONICS

The **Montaer MC-01** is equipped with the industry-leading GARMIN avionics suite, positioning it as a true powerhouse in the light-sport aircraft category. Designed for versatility, it can be configured for full IFR (Instrument Flight Rules) operations, featuring the state-of-the-art GTN 750Xi. This all-in-one touchscreen navigator seamlessly integrates GPS, COM, and NAV functions into a single, intuitive system. Pilots benefit from advanced features such as synthetic vision, real-time traffic and weather updates, and precise GPS navigation, enhancing both safety and operational efficiency.

The GTN 750Xi is complemented by the cutting-edge Garmin G3X suite, which incorporates touchscreen displays to provide unparalleled control and monitoring of flight systems. Offering a comprehensive view of critical flight data, the G3X suite ensures exceptional situational awareness and streamlined cockpit management. Together, these avionics deliver unmatched precision, reliability, and ease of use, transforming the Montaer MC into a highly versatile aircraft capable of excelling in even the most demanding flight missions.

As an Original Garmin Equipment Manufacturer, Montaer reinforces its commitment to delivering advanced technology and exceptional flying experiences, setting a new benchmark in light-sport aviation.

*"Precision and trust. You in control."*



# DIAMOND EDITION



## IFR - RNAV / VOR / ILS

The Diamond IFR-equipped panel in the Montair MC-01, featuring the state-of-the-art GARMIN GTN 750Xi and dual Garmin G3X Touchscreens, sets a new standard in professional avionics. Designed for pilots seeking unparalleled precision and control, this advanced configuration combines an intuitive interface with comprehensive flight data, enhancing situational awareness and safety. Perfect for tackling complex flight missions, it represents the pinnacle of innovation and reliability in modern avionics.

## FEATURES

GARMIN GTN 750Xi GPS/NAV/COMM/MFD  
Dual GARMIN G3X Touchscreens  
GARMIN GMC 507 Autopilot  
GARMIN GNC 215 COMM Radio  
GARMIN GTX 45R Transponder  
GARMIN GMA 345 Audio Panel with Bluetooth  
Sirius XM

# EXCLUSIVE EDITION



## IFR - RNAV

The IFR-RNAV panel in the Montair MC-01, equipped with the Garmin GPS 175 Nav/Comm, dual Garmin G3X Touchscreen displays, and the G5 electronic flight instrument, delivers a professional-grade and highly efficient avionics suite. This advanced configuration offers pilots an intuitive interface and access to comprehensive flight data, ensuring exceptional situational awareness and safety. The G5 also functions as a dependable backup, further enhancing the system's overall reliability and resilience for every mission.

## FEATURES

- Dual GARMIN G3X Touchscreens
- GARMIN G5 Electronic Flight Instrument (Backup)
- GARMIN GPS 175 GPS/NAV
- GARMIN GTR 20 Remote COMM Radio
- GARMIN GTX 45R Transponder
- GARMIN GMC 507 Autopilot Optional
- \* Sirius XM Optional



# PREMIUM EDITION



## VFR

The VFR panel in the Montair MC-01, equipped with dual Garmin G3X Touchscreen displays and the Garmin G5 electronic flight instrument, delivers a professional-grade and highly efficient avionics suite. This advanced configuration provides pilots with an intuitive interface and comprehensive flight data, ensuring outstanding situational awareness and safety. The G5 also functions as a dependable backup, further enhancing the system's resilience and reliability, making it an ideal choice for seamless and secure VFR operations.

## FEATURES

- Dual GARMIN G3X Touchscreens
- GARMIN G5 Electronic Flight Instrument (Backup)
- GARMIN GTR 20 Remote COMM Radio
- GARMIN GTX 45R Transponder
- \* GARMIN GMC 507 Autopilot Optional
- \* Sirius XM Optional

# THE PERFECT TRAINER - FOR **FLIGHT SCHOOLS**

## ***The Profit Chaser for your Business***



The Monteer MC-01 sets the standard for Light Sport Aircraft (LSA) as the ultimate training solution for flight schools, combining advanced avionics, economical operation, and unmatched versatility. Equipped with dual Garmin G3X displays and a G5 electronic flight instrument as a reliable backup, its VFR panel delivers an intuitive and professional interface. This ensures pilots have access to comprehensive flight data and superior situational awareness, fostering confidence and skill development.

For expanded training capabilities, the Monteer MC-01 can be configured for IFR instruction with the addition of the Garmin GTN 750Xi, making it adaptable for a broad range of training scenarios. Its durable airframe and rugged landing gear are built to withstand rigorous flight school operations, while the stability of its high-wing design ensures smooth, safe, and predictable flight characteristics.

Powered by the fuel-efficient and reliable ROTAX engine, the Monteer MC-01 boasts impressively low operational and maintenance costs, offering flight schools a modern, cost-effective, and dependable training platform. With its blend of advanced technology, robust construction, and operational efficiency, the Monteer MC is the clear choice for schools committed to delivering exceptional pilot training experiences.



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Numbers  
Let the  
Numbers  
Talk  
Performance

**SPECIFICATIONS & PERFORMANCE**

	ROTAX 912 ULS (100 HP)	ROTAX 912 iS (100 HP)	ROTAX 916 iS Turbo (160 HP)
Empty weight (approximate)	from 800 lbs	from 800 lbs	1050 lbs
Max. Take-Off Weight *	1650 lbs	1650 lbs	1760 lbs
Wing span	28 ft 10 in	28 ft 10 in	28 ft 10 in
Wing area	124 ft²	124 ft²	124 ft²
Length	21 ft	21 ft	21 ft
Max cabin width	4 ft	4 ft	4 ft
Fuel tanks capacity	36 to 47 Gal	36 to 47 Gal	47 gal US
Max. Climb rate	65 KIAS	65 KIAS	80 KIAS
Stall speed with no flaps IAS (Vs)	44 KIAS	44 KIAS	48 KIAS
Stall speed with full flaps IAS (Vs0)	38 KIAS	38 KIAS	44 KIAS
Engine max power (Rotax engine)	100HP	100 HP	160 HP
Best climb speed IAS	1080 ft/min	1080 ft/min	1510 ft/min
Max. Load factors (Gust load factors)	+4G / -2G	+4G / -2G	+4G / -2G
VNE IAS	120 KTAS	120 KTAS	140 KTAS
Glide Ratio	11.5:1	11.5:1	10:1
Consumption at Long Range speed	3.17 gal US/h	3.17 gal US/h	4.49 gal US/h
Cruise speed at Long Range power at Sea Level TAS	68 KTAS	68 KTAS	82 KTAS
Range at Long Range speed at Sea Level	952 NM	952 NM	984 NM
Long Range cruise speed at FL90 TAS	75 KTAS	76 KTAS	90 KTAS
Range at Long Range speed at FL90	1050 - 1350 NM	1064 - 1364 NM	1080 NM
Consumption at 75% power at Sea Level	4.9 gal US/h	4.9 gal US/h	7.42 gal US/h
Cruise speed (Vc) at 75% power at Sea Level TAS	98 KTAS	98 KTAS	122 KTAS
Range at 75% power at Sea Level	720 NM	728 NM	781 NM
Consumption at 75% power at FL120	4.2 gal US/h	4 gal US/h	7 gal US/h
Cruise speed (Vc) at 75% power at FL120 TAS	104 KTAS	105 KTAS	126 KTAS
Range at 75% power at FL120	884 - 1,150 NM	939 - 1,220 NM	853 NM
Consumption at max. horizontal speed at Sea Level	6.55 gal US/h	6.52 gal US/h	8.53 gal US/h
Max. Horizontal speed (Vh) at Sea Level TAS	112 KTAS	113 KTAS	133 KTAS
Range at max. horizontal speed at Sea Level	612 NM	622 NM	741NM
Consumption at max. horizontal speed at FL120	6 gal US/h	5.94 gal US/h	8 gal US/h
Max. Horizontal speed (Vh) at FL120 TAS	112 KTAS	113 KTAS	133 KTAS
Range at max. horizontal speed at FL120	662 - 860 NM	683 - 1,147 NM	793 NM

ECO MODE

75 % POWER

MAX POWER



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Performance and specification numbers may vary depending on the aircraft trim, engine choice, configuration, add-on options, or other factors.  
\* Numbers refers to structural / Manufacturer's MTOW - MOSAIC-ready scenario. LSA category is limited to 1320 lbs.

# Configurations and price

Engine Configuration	Premium Trim (VFR)	Exclusive Trim (IFR/RNAV)	Diamond Trim (IFR - RNAV/VOR/ILS)
MC01 with Rotax 912 ULS (100 HP)	189,900	204,900	224,900
MC01 with Rotax 912 iS (100 HP)	199,900	214,900	234,900
MC01 with Rotax 915is (141 HP)	259,900	269,900	289,900
MC01 with Rotax 916is (160 HP)	299,900	319,900	329,900

# Avionics features

Avionics Feature	Premium Trim (VFR)	Exclusive Trim (IFR/RNAV)	Diamond Trim (IFR - RNAV/VOR/ILS)
Panel Screen Feature	Two Garmin G3X 10.6" Touchscreen	Two Garmin G3X 10.6" Touchscreen	Two Garmin G3X 10.6" Touchscreen
Garmin G5 Back up (Magnetometer)	Included	Included	Included
GPS NAV / WAAS	-	Garmin GPS 175	Garmin GTN 750Xi
GPS	Integrated G3X	Garmin GPS 175	Garmin GTN 750Xi
Transponder	Garmin GTX 45 R	Garmin GTX 345	Garmin GTX 345
Radio	Garmin GTR 20 Remote	Garmin GTR 20 Remote	Garmin GTR 20 Remote + GTN 750Xi
Autopilot	Optional	Included	Included
Parking Brake	Included	Included	Included
ELT	Included	Included	Included

# Optionals

Item	Premium Trim (VFR)	Exclusive Trim (IFR/RNAV)	Diamond Trim (IFR - RNAV/VOR/ILS)
Auto Pilot	US\$ 12,000	Included	Included
Ballistic Parachute	US\$ 15,000	US\$ 15,000	US\$ 15,000
Premium Color cheme	US\$ 5,000	US\$ 5,000	US\$ 5,000
Custom cover and protections	US\$ 800	US\$ 800	US\$ 800

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