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# MD-3 Rider

light. ultralight. MD-3 Rider.



CAUTION

ENGINE INFORMATION SYSTEM

PAGE

MODE

The Engine Information System (EIS) display panel features a central rectangular screen. Above the screen is a yellow caution light. Below the screen are two circular buttons labeled "PAGE" and "MODE". The panel is secured with several screws.



# Preface



## **Roberto Treppiedi**

*director*

59 years old, director Next Aircraft

Roberto Treppiedi is test pilot and instructor of fixed wings and helicopters. He has over 8000 hours of flight. He is an expert in high-performance light aircraft and has participated in the development of complex aircraft like the MCR 01 VIa.

Dear Sir or Madam,

Since I founded the Next Aircraft Company and took over the MD-3 Rider two years ago we have improved the manufacturing process of the Rider and structured it completely new. We worked hard improving the parts of the MD-3 Rider by using more composite technique and we are producing with the most modern manufacturing processes. The MD-3 Rider is produced on line assembly – most known from the car manufacturers. Every single thing we use in the MD-3 Rider is on stock in our new warehouse. This is why we are more independent and can make sure that we can support you with enough spareparts. Furthermore we have at least 3 MD-3 Riders ready for a final assembly and we can promise you delivery in a very short time.

As the MD-3 Rider has been on the market for 15 years, we are very proud of our solid product which has overcome the teething troubles that other models still have. We have had time to adjust things which make the plane fit for the future. By using lighter materials we can reduce the weight and work on specific small adjustments by keeping the excellent flight qualities. And we do even more. In our future lab we test for example new wing-adjustments which give even more stability to the MD-3 Rider and improve the speed once again.

I am proud to present the new MD-3 Rider and sure that you will love the spirit and the light feeling of the plane as I do.

*Roberto Treppiedi*



## **Timo Drollinger**

*sales director*

34 years old, sales manager Next Aircraft

Timo Drollinger worked for the strategic sales marketing of Volkswagen's 28 Top-markets as a marketing manager. His love of flying and the Rider brought him to Next Aircraft. Since the beginning of 2015 he has been responsible for the realignment of Next Aircraft.

Dear air-minded community,

When I came to Next Aircraft I already knew the MD-3 Rider very well and I was absolutely convinced that the distribution activity of this jewel needed to be rearranged completely new. What we achieved together in the last year is a result I am very proud of. While the engineers improved a lot of small things, we set up a completely new logistic process including the maintenance and repair-possibilities. We invite you to test the aircraft. Please come and fly it. Test it. Everyone who is interested in flying this jewel can do this now in Berlin and at Hannover Airport where we have a MD-3 Rider flightschool and training centre.

We have also evaluated the results of longterm tests at many flightschools. For the last ten years MD-3 Riders have been in use in many flight schools. They have made an average of 4,000 flight hours and over 20,000 cycles (take-off and landing) for each aircraft which proves how long-lasting our materials are.

Because we are convinced that the MD-3 Rider is the best aircraft for your flightschool or club, we have introduced special rental and leasing models for you. Please contact us for your personal offer to rent a MD-3 Rider for your school or club in the long-term hire.

Now please enjoy the following pages to get an impression of our brilliant aircraft – the MD-3 Rider.

*Timo Drollinger*



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increases the endorphin production of the person 8-fold.

The MD-3 Rider is made in whole metal construction method. The weight-bearing components are a grid raw frame welded together in the cockpit area, which is covered with a GFK layer. The wings and the body back are made from high-quality aviation aluminium. The Cowling is also made out of GFK.

It was designed by the Czech engineer Jaroslav Dostál, who – together with his team – are also involved in the construction of civil and military flight witnesses.



sky blue waves



horizon heat



steel grey lines



green lines

## Design

The aerodynamic configuration of the MD-3 Rider always guarantees good-natured flight characteristics and high power. The MD-3 Rider is equipped with a BRS rescue device as well as bowl seats and cabin ventilation. The grid pipe frame and the aluminium

structure are made out of high-quality aviation materials. All processing technologies fulfill the modern standards.

The base version the MD-3 Rider is delivered in white. To present the specific design signs of the MD-3 Rider, we offer the choice of different design possibilities above.



# Less is more.

Digital engine  
supervision



✓ MD-3 Rider **Ground**



✓ MD-3 Rider **Air**



✓ MD-3 Rider **Sky**



Cockpit equipment examples

- ✓✓✓ Magnetic compass
- ✓✓✓ Altimeter
- ✓✓ Level
- ✓✓✓ Airspeed indicator
- ✓✓ Variometer
- ✓ Engine control instruments
  - oil temperature
  - oil pressure
  - cooling water temperature
  - exhaust gas temperature
  - loading control lamp
- ✓✓✓ Regulable Kasper gas supply
- ✓✓✓ 12V
- ✓✓✓ Switches
- ✓✓✓ Fuses
- ✓✓✓ Choke
- ✓✓✓ Radio f.u.n.k.e. ATR833-OLED
- ✓✓ Mode-S Transponder f.u.n.k.e. TRT800H-OLED
- ✓✓ USB-charging socket
- ✓✓ Flybox engine information system
- ✓✓✓ Magneto ignition switches
- ✓ Flybox EFIS ECLIPSE
- ✓✓ Aileron trim
- ✓✓ Electrical flaps controller
- ✓ Sky-Map MFD\*
- ✓ Slave glass cockpit\*

\* optional





Well seated ...  
with our new seating concept –  
and for long distances.



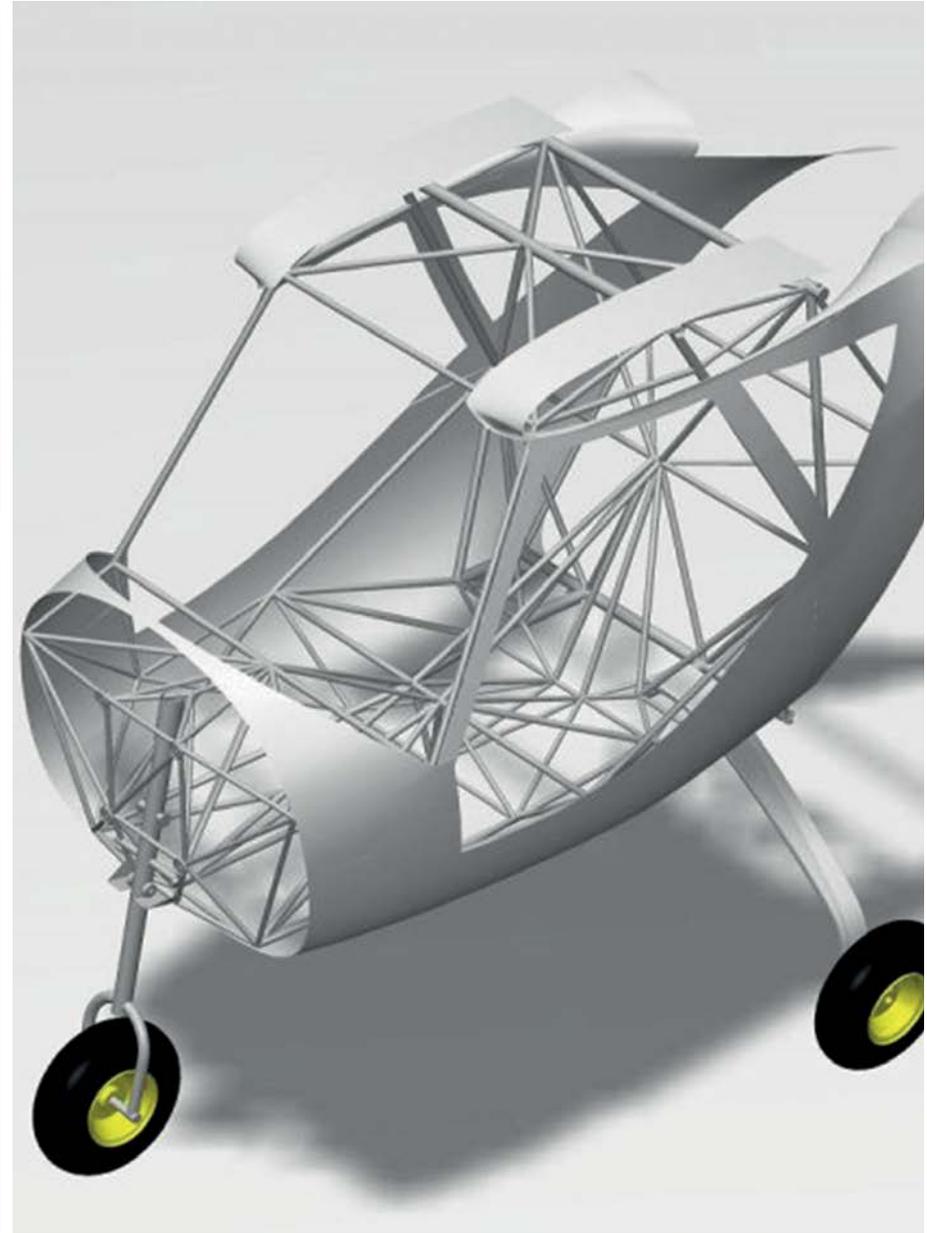


## High-quality materials

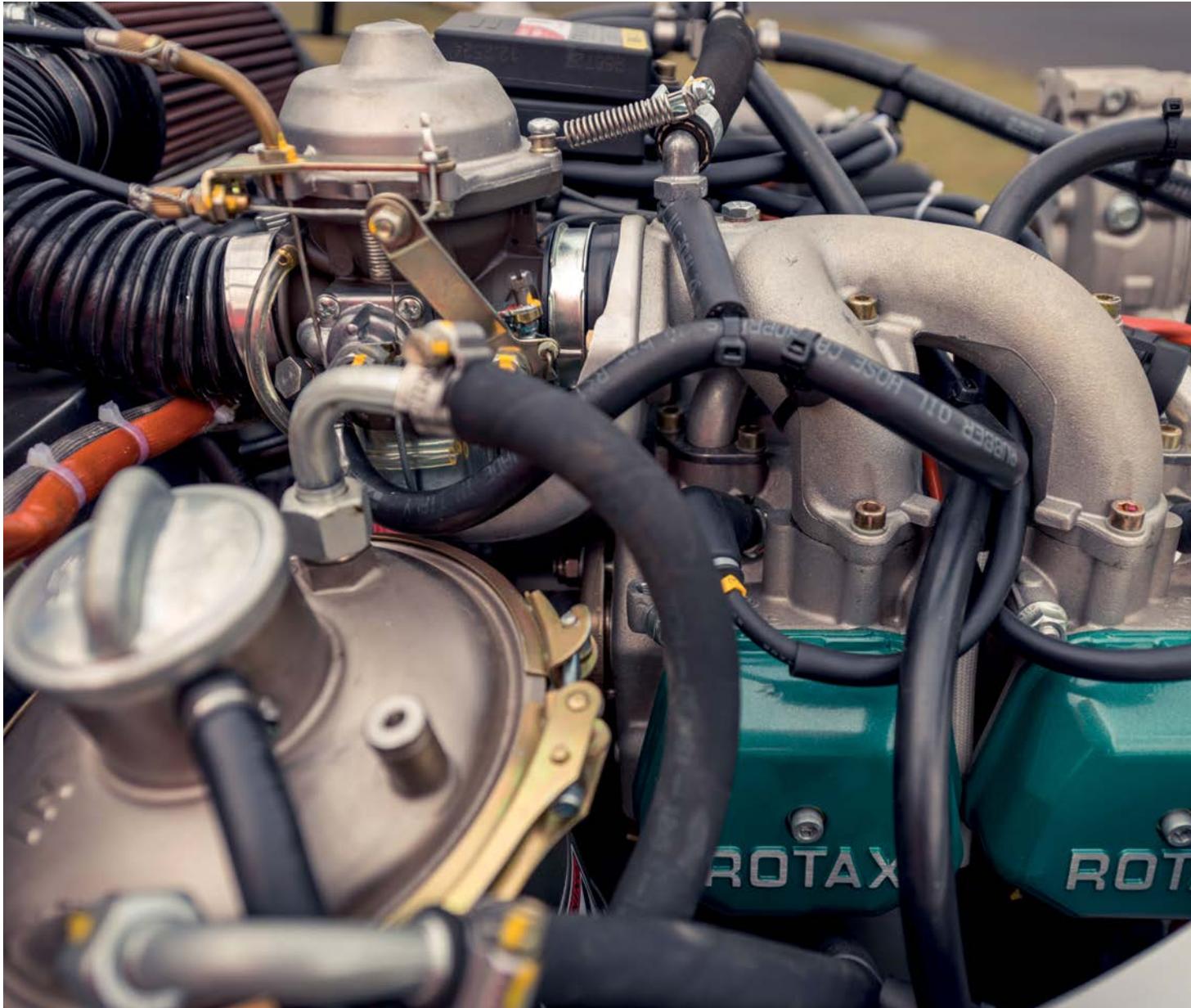
The MD-3 Rider is the first plane with steel cage for a solid structure and the highest safety possibility.

By using very high qualitative composite parts we increase the weight of the MD-3 Rider.

Most parts of the MD-3 Rider are built with 2024 T3 Aluminium which has a general aviation certification.



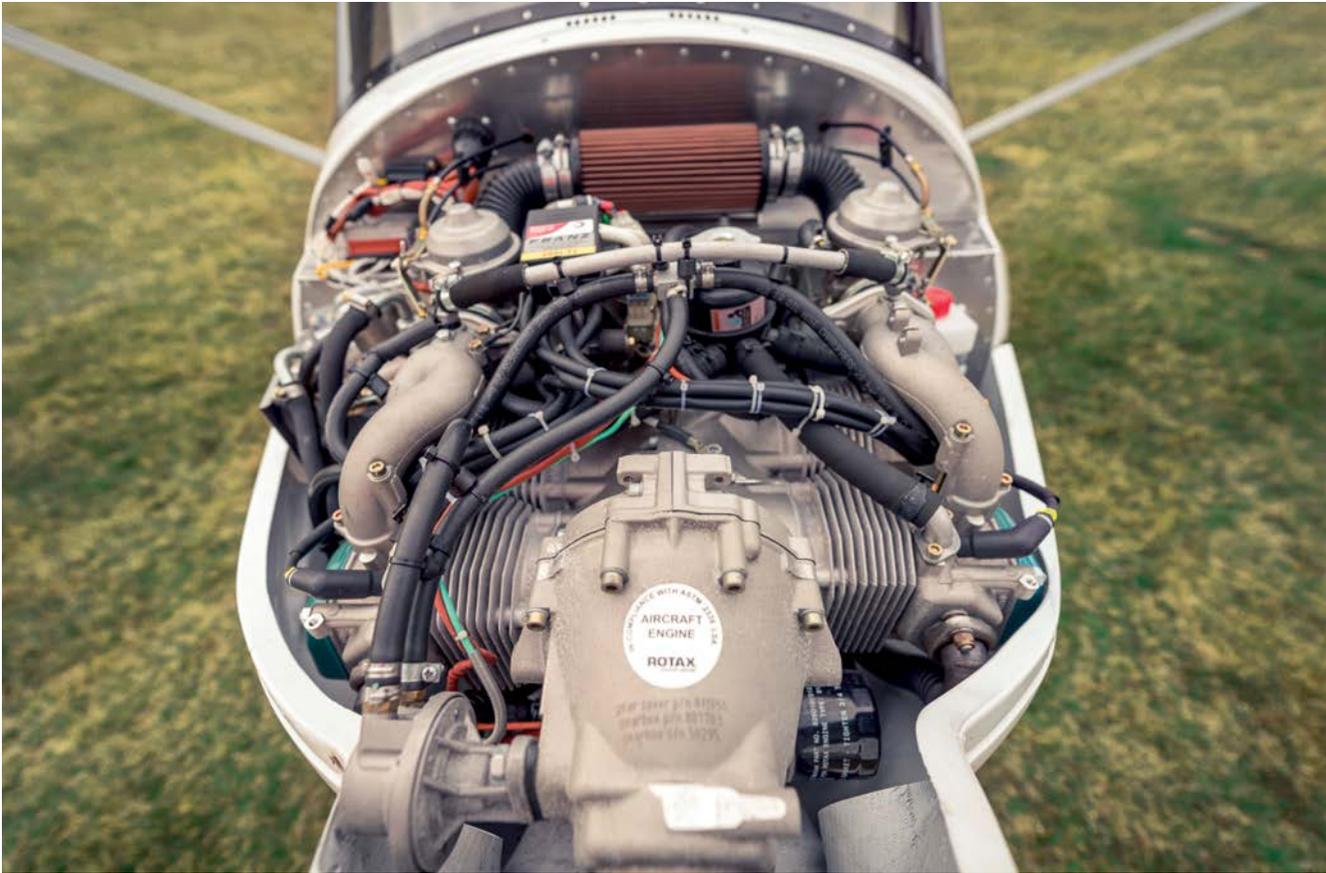




## Rotax 912: The engine.

Since the beginning of the 1990s the Rotax 912 is a widespread engine for light ultralight airplanes and motor glider airplanes from the Austrian company Rotax. The development of 912 began in 1984, the certification followed five years later. With the time it developed to the standard engine of the UL class. In June, 2014 the 50-thousandth engine of the 912th family was delivered.

It is a four-cylinder four-stroke opposed cylinder engine pursued with petrol with cam wave recumbent below, liquid-cooled cylinder heads, air-cooled cylinders, hydraulic valve clearance balance, magnet condenser-double ignition with an electric starter.

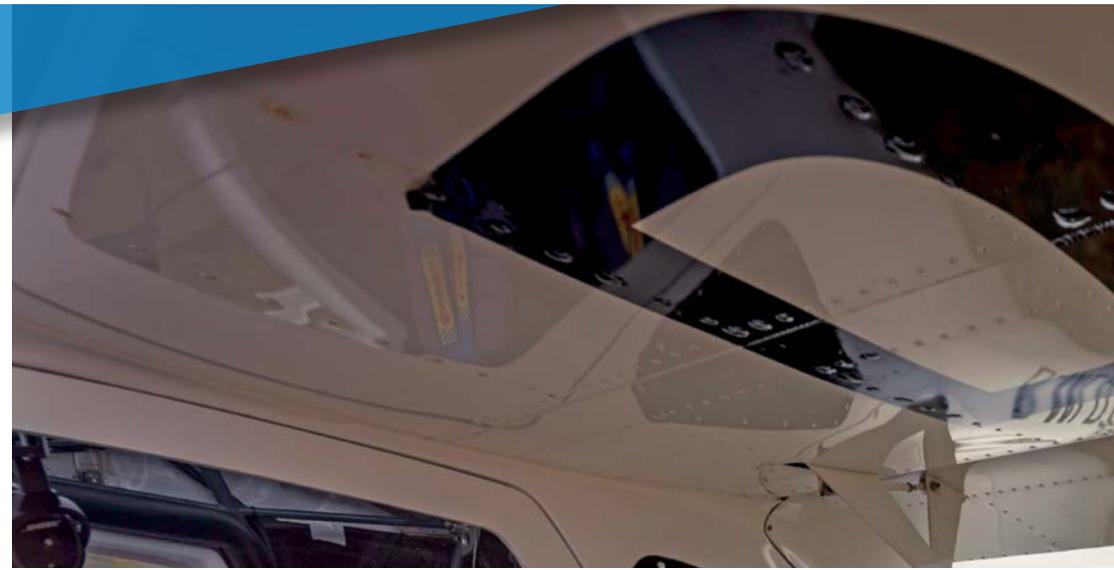


The quickest  
and most economic  
ml of its class

## Quick and sparing

	80 PS	100 PS
Rotax engine	912 UL	912 ULS
Max Power	80 PS	100 PS
Measurements		
Wingspread	9,00 m	9,00 m
Wing surface	9,90 m <sup>2</sup>	9,90 m <sup>2</sup>
Length	5,90 m	5,90 m
Height	2,30 m	2,30 m
Cabin width	1,17 m	1,17 m
Tank	92 l	92 l
Empty weight	295 Kg	297 Kg
Power		
Stall speed V1	79 km/h	79 km/h
Stall speed V2	65 km/h	65 km/h
Max. speed	204 km/h	226 km/h
VNE	245 km/h	245 km/h
Max. rate of climbing	5 m/s	7 m/s
Consumption	11-14 ltr./h	13-17 ltr./h
Range	1000 km	1000 km
Max. take off weight	472,5 kg	472,5 kg
Cruising speed (75%)	180 km/h	200 km/h
Off run	150 m	150 m
Landing roll distance	180 m	180 m

Ask now for your personal testflight  
at Hannover Airport: +49 17682242149



## Rider MD-3 models & prices

	motor	price/€*
MD-3 Rider <b>Ground</b>	80 PS	69,900 €
	100 PS	70,913 €
MD-3 Rider <b>Air</b>	80 PS	73,957 €
	100 PS	74,971 €
MD-3 Rider <b>Sky</b>	80 PS	79,029 €
	100 PS	80,044 €

There are water and amphibian versions available and are in use in several countries. For detailed information and configurations please contact us directly.

\* excl. VAT



# Rider MD-3 Ground

80 PS: **69,900 €** excl. VAT

100 PS: **70,913 €** excl. VAT



<b>Engine, exterior and tires</b>	Rotax 912 engine with slip clutch
	3 wheels with aluminium rims
	2 lockable doors
	Kasper Wheelbrake System
	NEUFORM Propeller CR3-65-(IP)-47-101,6 (100 PS) DUC Swirl right Tractive 3-Blatt (80 PS)
	Stainless steel exhaust
	Lithium iron battery
	Front window Lexan with wide view area
<b>Interior</b>	Slots behind the seats
	Seat cover „MD-3“ covered with cloth
	Pilot stick with pff-button
	12V in the front instrument panel
	2 air supply panels in the middle of the front instrument panel
	Adjustable seats
<b>Functionality and safety</b>	Rescue device
	Magnetic compass
	Altimeter
	Level
	Airspeed indicator
	Variometer
	Manual flaps in 15°-steps: 15°, 30° und 45°
	Engine control instruments (oil temperature, oil pressure, cooling water temperature, exhaust gas temperature indicator, loading control lamp)
	Roman Schmidt LED strobe and position lamps
	Radio
	2 x 46 litre fuel tank in the wings
	Regulable Kasper gas supply

# Rider MD-3 Air

80 PS: **73,957 €** excl. VAT

100 PS: **74,971 €** excl. VAT



<b>Exterior and tires</b>	Conical brake system from Ali Sport
	3 wheelhouses for tires (white RAL 9016)
	Pilot stick soft-touch grip with pit-button and buttons for elevator trim
	Service flap for oil control in the cowling
<b>Interior</b>	USB-charging socket in the front panel
	Normal heating supply in the foot area
<b>Functionality and safety</b>	Electrical flap controller in 15°-steps: 15°, 30° and 45° or infinitely variable
	Mode-S transponder
	Landing lights integrated in wing
	Rescue device
	Flybox engine information system (oil temperature, oil pressure, cooling water temperature, exhaust gas temperature, loading control-lamp)

The model „Air” already contains all items of the model „Ground”.



# Rider MD-3 Sky

80 PS: **79,029 €** excl. VAT

100 PS: **80,044 €** excl. VAT



<b>Exterior and tires</b>	Additional flashing light „BEACON“ on the top of the light tail of the plane Disc brake system Marc-Ingegno with parking possibility
<b>Interior</b>	Fold down sun visor for pilot and co-pilot Seat covers in leather and padded Pilot stick soft-touch grip with pff-button and buttons for elevator and aileron trim
<b>Functionality and safety</b>	Glass Cockpit Flybox EFIS Eclipse Rescue device

The model „Sky“ already contains all items of the models „Ground“ and „Air“.



# Accessories & additions

items	order	package	single price/€*
Fold down sun visor for pilot and Co-Pilot		1 item	285.00 €
Additional flashing light at the top of the light tail of the plane „BEACON“		1 item	500.00 €
Towable cases for the end of the wings		2 items	449.00 €
Pivoting viewing windows for fresh air in the doors		each item	
Landing lights		1 item	350.00 €
Comfort leather seats		1 item	
Glass Cockpit EFIS Flybox Eclipse		1 item	2,500.00 €
Stabilizer 2 axes for „Sky-Version“**		1 item	3,000.00 €
Slave Glass Cockpit*		1 item	2,000.00 €
Premium heating system in the foot area		1 item	800.00 €
Digital artificial horizon		1 item	1,800.00 €
Additional Aileron trim		2 items	500.00 €
Bose A-20 Bluetooth Headset		1 item	1,095.00 €

\* All prices are including VAT and installation

\*\* Only possible in „Sky-Version“ and not permitted in Germany



Why marry?  
**Leasing is so easy**

Lease your MD-3 Rider directly from Next Aircraft and enjoy your own personal service. This leasing model means maximum flexibility for you. After the leasing period you have the option of assuming ownership or returning the MD-3 Rider to Next Aircraft. This enables you to remain flexible and independent at all times.

Please ask us for your personal and individual offer.



Finally mine  
**The clever Next  
Aircraft financing**

Our Next Aircraft Service offer includes an individual financing model of your choice. As a reliable partner, we will assist you in all matters relating to the financing, insuring and selection of your MD3-Rider. We will advise you in a personal and non-binding discussion.



# What customers say ...

about the new MD-3 Rider



„For our flightschool the MD-3 Rider is the best microlight plane of all times, to my mind. We have seen and tested a lot of flying machines for years. As the owner of a flying school I have been convinced of its practicality and safety in relation to its very clear and low price structure for fifteen years.“

*Andrea Klucke, flightschool Berlin*



„I had my flying training on a MD-3 Rider and keep on flying this plane. I really appreciate the sensitive steering. On my flights to Sylt I was able to fly very fast and reached the island in no time. In spite of the high speed I was surprised at the steadiness and wonderful view – it was very relaxing indeed. After flying other planes, too, for me there is no alternative to MD-3 Rider.“

*Andreas Wallrath, lawyer, Berlin*



„ ... a secret jewel“

„I've known the MD-3 Rider for 10 years and gained firsthand experience from ist technology and as my job as a flight instructor. In my opinion it is a secret jewel in the aircraft market because its stable value and fair price make it attractive to both flightschools and private ownership. Technically the stable steel cage and its clean engine integration provide a very high standard of safety.“

*Bryan Franken, certification manager MD-3 Rider, Jabiru Motors Deutschland GmbH*



# Contact



## Production

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