



170 KTAS

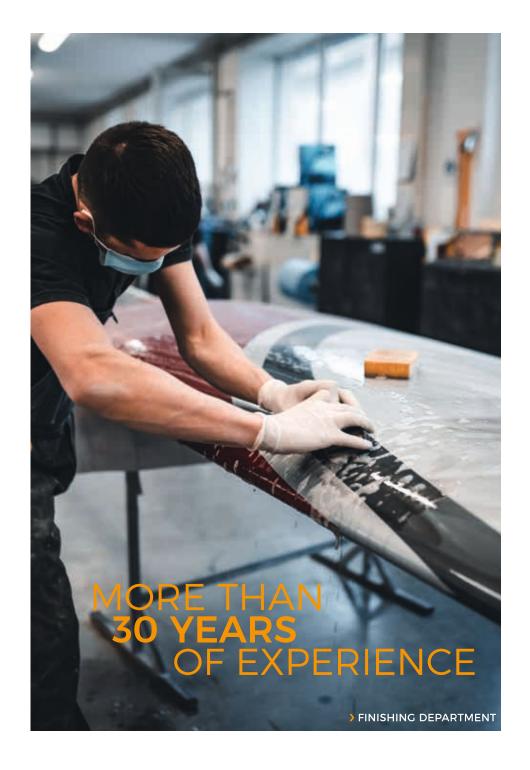
1000 NM

 200_{M} Land on short runways

500_{pcs}













With over 30 years of experience in aviation, JMB Aircraft was founded by two Belgian brothers, Jean-Marie and Jean-Baptiste Guisset, who started to fly when they were only 14 years old. It's safe to say that flying runs through their blood, and that their passion can be seen in the final product. Currently, JMB Aircraft is led by Jean Marie Guisset. His brother, Jean Baptiste, is head of JMB Aviation, based in Amougies Belgium. He is more focused on managing their private airfield, maintenance centre and flight school.

Through the use of certified parts and top-quality carbon fibre composite materials, we apply the highest quality standards in both development and production. The VL3 is a fast, safe and economical touring aircraft, and with over 600 sold in recent years, it is a very popular and reliable choice. With the expansion of our production capacity in the Czech Republic to 80 aircraft per year and a worldwide distribution network (Europe, USA, Canada, Australia, New Zealand and Middle East), the JMB Aircraft success story continues to gather pace.







Travel at high speed in style! Discover new places throughout world with full comfort and safety.

The VL3 Evolution allows pilots to go on exciting adventures and explore amazing destinations.

The aerodynamic design of this low-wing aircraft induces high cruising speeds above 370 km (162ktas), while remaining very stable in gusty conditions. Its low weight makes it also extremely forgiving on approach.

The powerful but economical ROTAX engine and comfortable side-by-side configuration makes it the perfect touring aircraft.



SPECIFICATION

> PROPELLER

- Variable pitch propeller (constant speed)
 (two-blades / three blades by Duc / Woodcomp)
- · Constant speed device
- \cdot Fixed propeller (three-blades prop by E-PROP)

AVIONICS

- · Dashboard laser-fired to fulfill customer's requests
- · VFR or IFR. Several types of GPS, glass cockpits, radios and transponders: Garmin, Dynon

> COCKPIT

- · High level of safety due to carbon and aramid fiber construction
- · Canopy made from one piece of acrylic glass,
- Side-by-side seats available in comfortable textile or leather in several different colors
- · Equipped with efficient ventilation and heating system
- · High level interior design

> LIGHTS

· Airplane can be equipped with position, anti-collision and strobe lights

> TECHNICAL INFORMATIONS	VL3 912 RG	VL3 912 IS SPORT	VL3 915IS
Stalling speed (CAS)	35 kts (65 km/h)	35 kts (65 km/h)	42 kts (78 km/h)
Cruising speed (TAS)	150 kts (280 km/h)	150 kts (280 km/h)	200 kts (370 km/h)
Never to exceed speed (IAS)	170 kts (315 km/h)	170 kts (315 km/h)	184 kts (340 km/h)
Engine output	100 hp	100 hp	142 hp
Climb rate	1400 ft/m	1400 ft/m	2000 ft/m
Fuel consumption (75%)	4.5 US gal/h	3.8 US gal/h	8.5 US gal/h
Fuel tanks volume	32-37 US gal (120-140 I)	32-37 US gal (120 - 140 l)	37 US gal (140 I)
MTOW	600 kg (1320 lbs)	600 kg (1320 lbs)	600 kg (1320 lbs)
Empty weight (incl. rescue system)	320 kg (683 lbs)	335 kg (738.5 lbs)	370 kg (816 lbs)
Wingspan	27.7 ft (8.44 m)	27.7 ft (8.44 m)	27.7 ft (8.44 m)
Length	20.5 ft (6.24 m)	20.5 ft (6.24 m)	20.5 ft (6.24 m)
Height	6.7 ft (2.05 m)	6.7 ft (2.05 m)	6.7 ft (2.05 m)
Wing area	105 ft² (9.77 m²)	105 ft² (9.77 m²)	105 ft² (9.77 m²)



> ROTAX 912 / 100HP

Most Popular Engine



Carburetors Useful load 270kg Best performance at FL80



> ROTAX 912iS SPORT / 100HP

NEW GENERATION OF POWER

165_{KTAS}

Fuel injected Improved fuel efficiency Useful load 260kg Best performance at FL95





> ROTAX 915 / 142HP For Speed Freaks

200_{KTAS}

Fuel injected Turbocharged Intercooler Climb rate 2000 ft/min Useful load 230kg Best performance at FL180



VL3 TURBINE

INTRODUCING THE NEW DEVELOPMENT
PERFECT POWERFUL ENGINE WITH LOW FUEL BURN SOLUTION
EXPERIENCE THE FIRST TURBOPROP ENGINE WITH LOW FUEL CONSUMPTION



NEW DEVELOPMENT PROJECT

THE REGENERATIVE TURBINE

POWERED BY TURBOTECH TP-R90





COMEORT



ULTRA LIGHT



LIFETIME ×2



MULTI-FUELS BIO-FUELS



LOW FUEL BURN

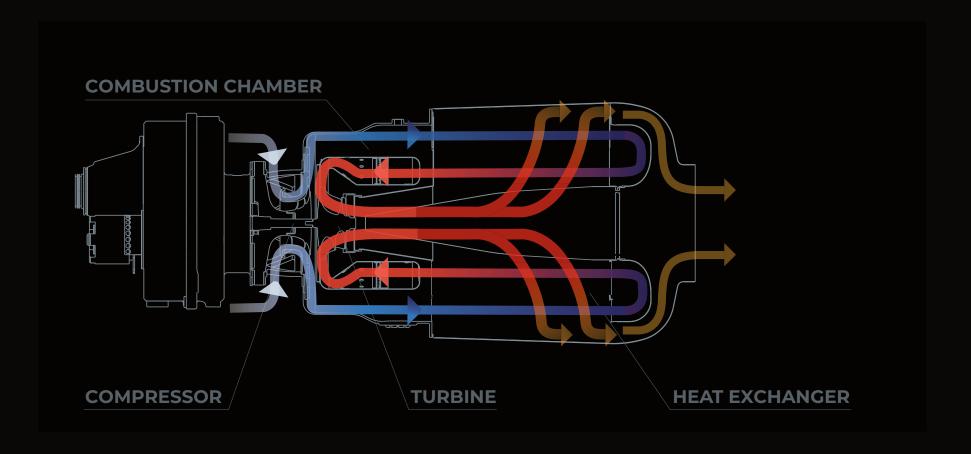


SINGLE LEVER



FULLY FADEC CONTROLLED





> DESCRIPTION:

The turboprop engine fits the VL3 evolution aircraft as a compact, reliable and vibration-free solution.

It combines all the advantages of a gas turbine with very low fuel consumption. Thanks to its poly-fuel capacity, long-range travel is not an issue anymore. Using a patented heat exchanger, the TP-R90 engine offers a fuel-burn on par with the best piston engines on the market.

Discover the disruptive regenerative turbine developed by by Turbotech: its microturbines, combined with ultra-compact heat exchangers, represent the ideal solution for conventional aviation propulsion.



SAFETY IS OUR NUMBER #1 PRIORITY!

The VL3 is certified and tested in collaboration with the Czech Aerospace Institute. It was successfully tested to ultimate loads of up to +15Gs and -8Gs.

The VL3 is free of flutter until 450 km/h TAS. The VNE is limited to 340 km/h IAS, with a VNO of 280 km/h IAS.

To increase your safety the VL3 can be equipped with a TCAS (Traffic alert and Collision Avoidance) system. If other aircraft are in your vicinity, you will receive a visual and audio alert to your EFIS and headset.

An ELT (Emergency locator transmitter) may also be installed in case of an emergency landing to enable SAR services to quickly locate you.

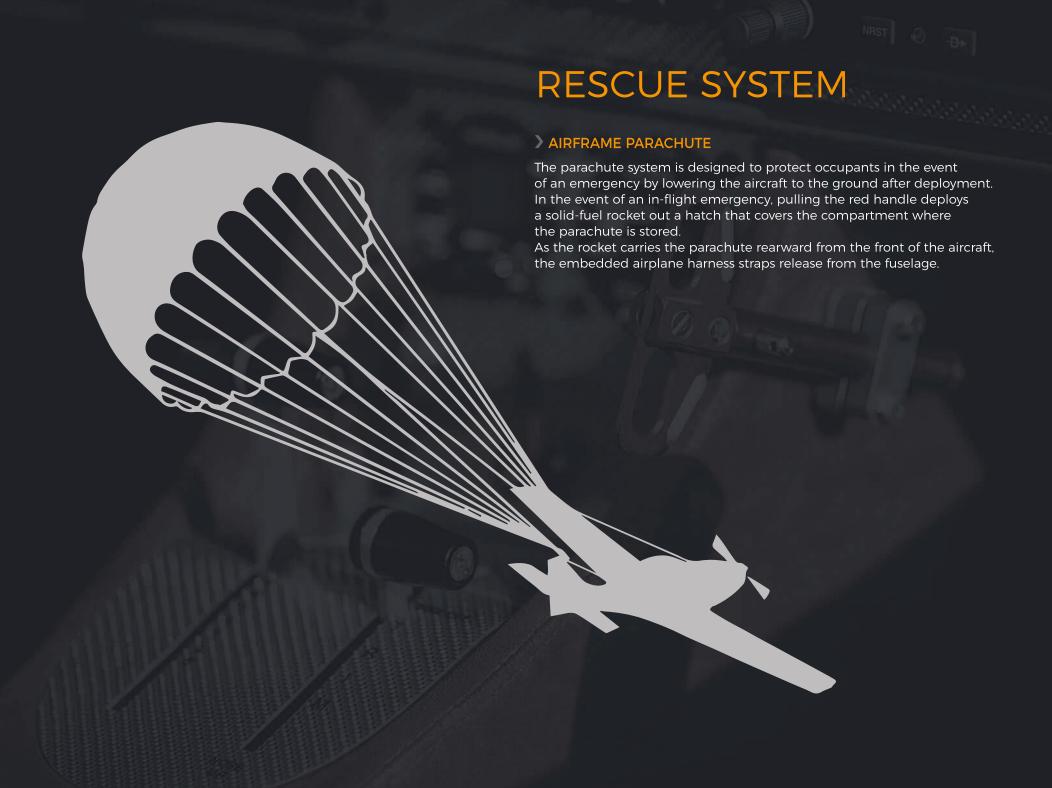
Most VL3 aircraft are also equipped with autopilot. If you lose control of the aircraft upon accidentally entering cloud, you can activate the levelling function and the aircraft will automatically level out.

AOA - The Angle of Attack indicator will give you a warning if you approach the critical angle of attack before stalling.

Close to the fuselage, on the leading edge, the VL3 is equipped with stall strips to improve the controllability of the aircraft when it enters a stall.

We use only certified aviation bolts for all control lines and certified resin is used to laminate the VL3. The complete electrical installation (cables, antenna, radio, transponder, and more) is done using aviation certified materials.

The VL3 already flies in the Czech Republic, Germany, Belgium, France, Norway, Portugal, Poland, The Baltic States, South Africa, USA, Italy, Slovakia, Turkey, Hungary, Romania, Canada, Australia, New Zealand and Spain.





JMB DESIGN STUDIO

If you're looking for a unique and personalized aircraft that reflects your personality, you came to the right place.

Our design studio offers the possibility to customize your aircraft according to your dreams and wishes.

We offer the possibility to customize your aircraft with a personalized paintjob, cabin colors, leather styles, stitch colors, safety belts and instrumentation, all according to your wishes.

The creativity is in your hands!



> CUSTOMISED YOUR INSTRUMENT PANEL



> PAINT SCHEME



> SELECT A TOP INTERIOR AND EXTERIOR



EXTERIOR OPTIONS



> SINGLE COLOUR

You want to keep it simple, no problem! We propose these 2 colours: White and NardoGrey by Audi.

> ULTIMATE JMB

For your Ultimate JMB, our designer made a selection of 8 of the most popular designs. Play with colours to create the VL3 Evolution which will correspond to your wishes. There's no limit!

> ULTIMATE FREE

You want to create your own design, no problem. Our designer will catch all your ideas to make the VL3 Evolution of your dreams.

> ULTIMATE ONE

You want a unique VL3 Evolution, no problem! Together with our designer, you can create a ONE-OFF aircraft. Never repeated, never copied! Be the king of the airport!

INTERIOR OPTIONS

> ALLURE JMB

You select the «ALLURE JMB» option? Perfect! 6 different models of seats are waiting for you. Play with the 7 famous colors of leather or alcantara selected by our designer. We are using the same high quality of leather and alcantara as luxury cars. To match with the leather or alcantara selection, 7 colors of safety belts have been also selected by our designer.

> ALLURE FREE

For the 6 different models of seats, 25 colors of leather are available to push the limits of personalization! With a selection of 120 colors of seat belts and an unlimited selection of colors for the stitches and logos of the seats, you will, together with our designer, go till the last details, to be sure that your VL3 Evolution will have the perfect customized cockpit.





VL3 CONFIGURATION

> STEP 2 > STEP 3

CHOICE OF ENGINE

with different components in the basic price

CHOICE OF AVIONICS

Garmin, Dynon, Transponder, ELT, Backup battery, Autopilot, Traffic viewer and more

CHOICE OF ADDITIONAL ACCESSORIES

Adjustable pedals, landing gear camera, electric flaps, heated pitot, lights and more

CHOICE OF INTERIOR

Interior design, Color of the leather, Cockpit size, Safety belts, Removable pillows and more

CHOICE OF EXTERIOR

Exterior design, Color and scheme of the paint, Color of beringer, Color of the propeller tips and more

APPROVAL OF THE ORDER

Entering a request into production, serial number assignment, Transition training











WE HAVE CROSSED THE ATLANTIC OCEAN

→ www.vl3-challenge.eu



> TWO VL3'S CROSSED THE ATLANTIC OCEAN IN 15HRS

By buying a VL3 you will not only own a beautiful high-end ultralight but will be buying a lifestyle, exploring countries and enjoying life from up in the sky.

Each year we organize special journeys for and with our customers where we explore the whole of Europe, its countryside and most beautiful locations.

In July each year, Oshkosh airport, Wisconsin, near Chicago, hosts the largest air show in the world, the EAA AirVenture.

Initially reserved for amateur constructions, this one-week fly-in is attended by more than 10,000 aircrafts and about 500,000 people.

We were thrilled to fly to Oshkosh from Brussels using 2 VL3's in order to participate in this great air show.

The expedition took 30 hours of flight time done in 6 legs with much of the flying time spent above the North Atlantic waters for a total of 3565 Nm.









MORE THAN 20 VL3 > 1000 HOURS > 200 000 KM

All team members are looking forward to enjoying an amazing time in the air with their VL3. There will also be exciting new places on the ground, with one of the great experiences for pilots being the overnight stay in bivouacs in the desert.

The aim of the organisers is to offer as many people as possible the chance to follow in the footsteps of the immense pilot, literally and figuratively, that was Jean Mermoz.

Therefore, the spirit of the Raid will not be a tourist trip, but rather the sharing an unforgettable human adventure. Flying in solidarity in the contrails of the discoverer of the 'first commercial flights.

Welcome to the adventure!

Raid Mermoz Team

















Nádražní 635 · 56501 Choceň · Czech Republic pr@jmbaircraft.com · **f** JMB Aircraft · **©** jmbaircraft



