

REDEFINE POSSIBLE TENSOR 600X



"TOUGH MISSIONS REQUIRE TOUGH DECISIONS. AND THAT CALLS FOR COURAGE."

CHRISTOPH FRAUNDORFER

PUSHING THE ENVELOPE

 7 We founded TENSOR AG many years ago with we finally achieved the breakthrough. We developed efficient and powerful type of aircraft that would not airplanes hit their limits. only make the beauty and efficiency of flight available to everyone, but would also enable pilots to fly The TENSOR 600X is our first aircraft to use this environmental protection and disaster relief missions that were previously unfeasible.

To do this, we needed to carry out highly complex aerodynamic calculations that had not been resolved for decades. After seven years full of risks and dead ends, TENSOR 600X - REDEFINE POSSIBLE

the aim of doing something that was considered and patented a technology that now enables safe and impossible: we wanted to create a new, much more efficient flight in conditions where helicopters and

> technology and it's proof that facing challenges, taking risks, and forging your own path is worth it, even if this seems impossible at first.



SPECIAL MISSIC

ANY TIME. ANY PLACE. ANY CONDITIONS.

HIGH-END TECHNOLOGY

suitable landing areas are no match for its technology. and safety. Each time a pilot takes off into the sky, he or she can rest assured that they will be able to complete their mission.

The TENSOR 600X is at home where other aircraft hit

aircraft on a daily basis. From the outset, we developed R01 high-tech rotor system - an entirely new, innovative, the TENSOR 600X to be able to fly safely and reliably and unique generation of autorotation rotors. The system under even the most difficult conditions. Inclement was developed using the latest computer simulations weather*, low altitudes, and regions with a scarcity of in order to achieve unprecedented performance, stability,

- ightarrow AGILITY OF A HELICOPTER
- ightarrow FLYING IN INCLEMENT WEATHER CONDITIONS*
- → EXTREMELY SHORT TAKE-OFF AND LANDING (XSTOL) CAPABILITY

- \rightarrow NO STALL
- \rightarrow NO SPIN
- ightarrow NO DEAD MAN'S CURVE
- \rightarrow NO VORTEX RING STATE

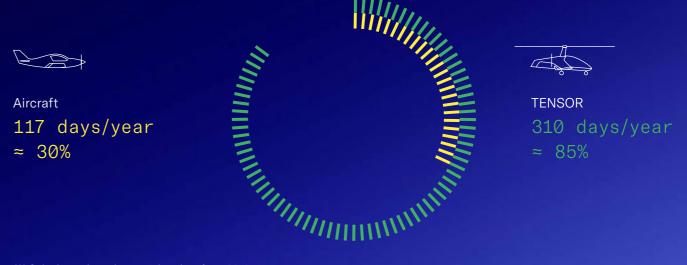


their limits.

* Visual flight according to visual flight rules (VFR) - conditions under which rescue helicopters operate.

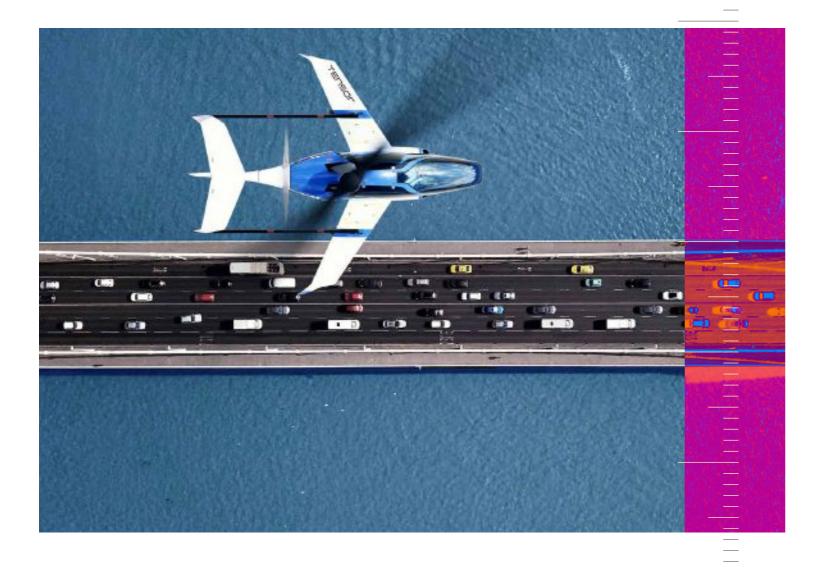
ABILITY TO FLY IN INCLEMENT WEATHER CONDITIONS* > 3,000 ft (900 m) Flight visibility Flight visibility > 500 ft (150 m) cloud base > 16,000 ft (5,000 m) Required visibility > 2,500 ft (800 m) 2,000 ft (600 m) Safe minimum height TENSOR: Single-engine aircraft: Good weather conditions are essential. Safe, reliable flying – even in critical weather conditions** ** Definition according to the German Meteorological Service – General Aviation Forecast (GAFOR).

REALISTIC OPERATION BASED ON WEATHER CONDITIONS***



*** Calculation based on weather data from 2016, for a turn around flight from Stuttgart to Rostock.

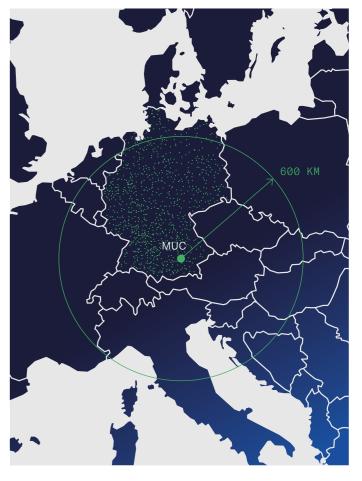
FLEXIBILITY. SPEED. RANGE.



SETTING NEW BENCHMARKS

→ Protracted flight preparations, extensive pre-flight checks, laborious ground handling: until now, private aviation has been a long, drawn-out affair – not to mention expensive. What's more, flight clearance has been reliant on suitable weather conditions, meaning many flights never make it into the sky.

The TENSOR 600X presents an all-new approach to private aviation. It encompasses training, servicing, maintenance, and operation – and naturally the aircraft itself. The result: less time and money, more personal mobility for people with packed schedules.



- → AIRBORNE IN 10 MINUTES
- ightarrow 200 KM/H (108 KTS) CRUISING SPEED
- \rightarrow 600 KM (324 NM) RANGE

- ightarrow SAFER THAN ANY OTHER AIRCRAFT
- ightarrow FASTER THAN ANY OTHER MEANS OF PERSONAL TRANSPORT

A NEW LEVEL OF EFFICENCY

PROFESSIONAL TRAINING

 Complete your flight training through individual sessions with professional pilots and flight instructors based on a proven step-by-step approach featuring the latest training methods, simulator training, and block courses. Fast, safe, and efficient, this is the ideal way to integrate aviation training into any schedule and benefit from the safety and expertise of professional pilots.

PILOT-TO-PILOT GUIDANCE

- → PILOT LICENSE IN TWO BLOCKS OF TWO-WEEK TRAINING SESSIONS
- ightarrow MAINTENANCE AND SERVICING AT YOUR SITE
- → 24/7 PILOT-TO-PILOT GUIDANCE

→ Flying professionally is about continuous learning and maximizing expertise. This provides confidence and safety in the skies. Our team organizes regular training camps and tours, during which trainees receive 24/7 support from professional pilots.

FULL-SERVICE PACKAGE

→ Our company draws on many years of experience to take care of all organizational matters. This includes support with financing, registration, insurance, and license acquisition. We also cover on-site servicing and the maintenance of your aircraft. You focus on the joy of flying – we'll take care of the rest. ✓ When you're successful, time becomes very valuable and the ability to travel in the air is an asset that few can draw on. The experts at TENSOR AG are on hand to teach this ability through extensive training courses, special offers, and related services. Enjoy professional aeronautical support, 24/7 pilot-to-pilot guidance, and more. With these additional offers, we ensure that all you have to worry about is enjoying your next flight.

Request a demo flight (no prior knowledge or flight license required):

TAKEOFF@TENSOR.AERO



ONLINE VR SIMULATOR TRAINING ightarrow 24/7 PILOT-TO-PILOT GUIDANCE ightarrow TRAININGS AND CAMPS ightarrow ONLINE VR SIMULATOR TRAINING ightarrow PROFESSIONAL SUPPORT ightarrow TRAININGS AND CAMPS ightarrow ONLINE VR SIMULATOR TRAINING ightarrow PROFESSIONAL SUPPORT ightarrow TRAININGS AND CAMPS ightarrow ONLINE VR SIMULATOR TRAINING ightarrow PROFESSIONAL SUPPORT ightarrow TRAININGS AND CAMPS ightarrow ONLINE VR SIMULATOR TRAINING ightarrow PROFESSIONAL SUPPORT ightarrow TRAININGS AND CAMPS ightarrow ONLINE VR SIMULATOR TRAINING ightarrow PROFESSIONAL SUPPORT ightarrow TRAININGS AND CAMPS ightarrow ONLINE VR SIMULATOR TRAINING ightarrow PROFESSIONAL SUPPORT ightarrow TRAININGS AND CAMPS ightarrow ONLINE VR SIMULATOR TRAINING ightarrow PROFESSIONAL SUPPORT ightarrow TRAININGS AND CAMPS ightarrow ONLINE VR SIMULATOR TRAINING ightarrow PROFESSIONAL SUPPORT ightarrow TRAININGS AND CAMPS ightarrow ONLINE VR SIMULATOR TRAINING ightarrow PROFESSIONAL SUPPORT ightarrow TRAININGS AND CAMPS ightarrow TRAINING ightarrow TR



TECHNICAL DATA

PERFORMANCE

Maximum cruising speed 200 km/h (108 kts)

Minimum flight speed

50 km/h (27 kts)

Range at 185 km/h

600 km (324 nm)

Maximum payload (including fuel) 230 kg (507 lbs)

Empty weight (depending on equipment)
Starting at

370 kg (816 lbs)

 $\begin{array}{lll} \mbox{Maximum take-off weight (MTOW*)} \\ \mbox{600 kg (1.323 lbs)} \end{array}$

Take-off run at MTOW

90 m** (300 ft)

Landing distance at MTOW 20 m (70 ft)

Maximum flight altitude

3,000 m (10,000 ft)

* Maximum take-off weight

FEATURES

Engine

Rotax 915iS

Propeller

Three-blade constant speed

Rotor

Fraundorfer R01 High Performance

Storage space

Cargo space & overhead compartment

Airframe

Monocoque with improved crash protection structure

Wing

Foldable for hangar and transport

Configuration

Two occupants, tandem

Doors

Two, removable

Visibility

Excellent 270° all-round

Pilot size/weight

Up to 1.95 m (6'6") and 120 kg (265 lbs)

Cargo space dimensions, two occupants

L 75 cm (29.52") W 50 cm (19.68") H 35 cm (13.77") ≈ 100 liters (≈ 22 gallons)

Cargo space dimensions, single occupant

L 120 cm (47.24") W 83 cm (32.67") H 94 cm (37") ≈ 500 liters (≈ 110 gallons)

Overhead compartment

18 x 36 x 20 cm (7.08" x 14.17" x 7.87")

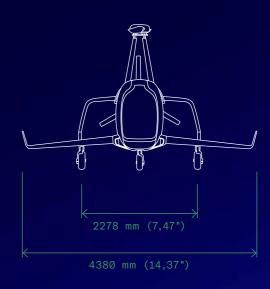
Fue

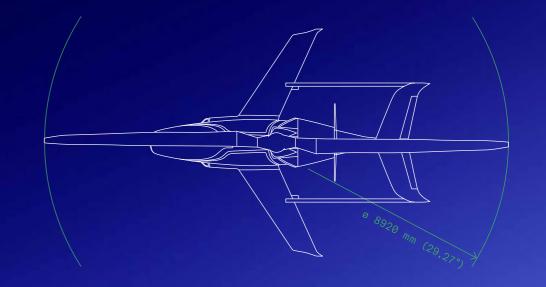
EN 228 Premium, EN 228 Premium Plus (min RON 95) or AVGAS 100 LL

All performance values listed are sourced from flight tests or simulations and correspond to the state of development as of 05/2021. We reserve the right to make changes to this information.

DIMENSIONS







^{**} ISA-MSL conditions

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Disclaimer of liability

The content of this prospectus has been prepared with the greatest possible care using the information and technical knowledge available when compiling it. We explicitly reserve the right to make changes and additions.

Information regarding potential uses is solely to be understood as illustrative; it does not represent a guarantee and depends on the respective TENSOR 600X equipment, weather conditions and the pilot's experience in each individual case. In any case, use is at your own risk.

In addition, the permitted scope of use depends on legal framework conditions, which may vary from country to country. It is the pilot's responsibility to find out more information in this regard.



Contact