



Softex Invest

V-24-I

Commercial Information of Project V-24-I



V-24-I is a plane of new generation. It is two-engine light plane, designed by the company especially for customers, who appreciate safety and comfort in combination with high flight characteristics and modern technologies. Not only engineers were involved into designing of this plane, but also research-pilots who understand needs of modern aviators better than others. The project is based on the latest researches in the sphere of aviation industry and flight safety systems.

V-24-I is equipped with two reliable low-consumption oil engines *Rotax 912: 100 h.p.*

These engines may use both, automobile with octane grade 95, which in combination with three-blade swept, auto feather pusher propellers MT-Propeller with changeable pitch in flight makes a great impression. They are powerful and low-consumption at the same time.



General Dimensions



General length	7 340 mm
Height (empty weight)	2980 mm
Wing span	11 180
Wing area	11.74 sq.m
Horizontal tail area	1.21 sq.m
Vertical tail area	1.8 sq.m

Technical Data

Note: performance data are engineering data and require flight test confirmation	
Performance at MTOW 1300 kg	
Vh – maximum horizontal speed	263 km/h
Vne – never exceed speed (maximum permissible speed)	365 km/h
Vso	95 km
Take-off run (flap 0 degree)	250 m
Weights and Capacities	
MTOW	1300 kg
Typical empty weight (incl. rescue system)	780 kg
Fuel capacity: 130 l /34 US Gal in each wing tank	260 l
Luggage	30 kg

General Features

Average cruising speed of V-24-I with two engines Rotax 912ULS is 260 km/h. SOFTEX V-24-I is able to perform non-stop flight with four passengers on board for a distance up to 1300 km and suitable for medium haul distances.

In addition, include the installation of auxiliary fuel tanks that will increase the flying range.

The body of SOFTEX V-24-I is a result of multiple tests in aerodynamic tunnel and includes progressive power configuration that makes this plane universal in operation. Optimal aerodynamic design of the plane gives confidence during flight not only to pilot-researches, but also green pilots.

All-composite wing, designed in two-pair arrangement, is a single-piece. Lift devices of the wing are represented by two double-slotted flaps and slot-lip ailerons. The wing is also equipped with vertical edge lines, preventing tip vortex that significantly reduces end resistance and enhances aerodynamic characteristics and speed. In general, it allows increasing of flight range by 4% and rate of climb by 8%.

The peculiarity of the V-24-I aircraft is the possibility of night flights on instruments.





Airplane tail: T-shaped, cantilever empennage is equipped with trim tab of driving- and vertical rudders, due to which it is possible to reach minimum load on control devices.

Doubled control of planes with hand wheel and pedals with controlled brake.

Retractable gear with front shock-mounted leg; main gear legs are equipped with dynamic hydraulic brakes, ensuring easy control of plane not only during flight, but also on the earth. Moreover in order to extend the range of solved tasks, it is possible to install ski or bobs.

Two spacious luggage compartments is 100 liters each, depending on the modification. Special binding device prevents load from movement.

Safety of flights is one of the main characteristics of V-24-I. Modern technology of plane construction is equipped with quick acting parachute system Galaxy GRS 1200 that guarantees Your safety upon rise of emergency situation.

V-24-I is equipped with modern navigation instrumentation, including autopilot. This fact allows to access necessary information in any time.

The possibility for installation of any equipment on customer's desire. The precise analysis of every element of control panel, even location and luminance of signal indicators, will be carried for these purposes. This provides pilot with the most significant information, not diverting him from the flight..



Individuality is a key component of the project. We pay a great attention to every detail of interior. The exclusive design of pilot cabin is designed considering customer's demands. The seat is adjusted according to pilot's height and its construction allow smooth distribution of load on the pilot make him feel comfortable in the cabin. SOFTEX V-24-I has one of the most spacious cabins in its class and is equipped with effective automated system of heating and ventilation. Glazing of the cabin ensures excellent visibility that is a one of the main conditions of safe control and makes unforgettable impression from flight.



Certification of SOFTEX V-24 - in October 2014 we received the type certificate for the Ukrainian aircraft V-24 with two engines Rotax 912 ULS. Currently, work is underway to obtain the type certificate in France, USA, Germany, and signed a number of agreements with European partners about the beginning of certification procedures in other EU countries.

SOFTEX V-24-I is a multipurpose aircraft, designed for solution of broad range of tasks, such as:

- Training of pilots in flying clubs;
- Patrolling and monitoring of the territories and objects;
- Observation of forests and disclosure of fires;
- Inspection of oil and gas pipelines;
- Examination of power supply lines;
- Rescue works;
- Geological survey, aerial survey;
- Transportation of mail, load and baggage;
- Air patrol;
- Tourist flights;
- Business flights.

All this makes SOFTEX V-24-I an excellent choice not only for individual owners, but also for flying schools that tend to implement the latest concepts and technological designs in their flying trainings.

We are firmly convinced that SOFTEX V-24-I will not only gain liking and confidence of pilots, but became one of the world leaders.

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