

MULTI-PURPOSE AIRPLANE
MAI-409



www.oskbes.ru



MAI-409

MULTI-PURPOSE FOUR-SEAT TWIN ENGINE AIRPLANE

MAI-409 multi-purpose four-seat twin engine airplane has been designed according to AP-23 Aviation Rule requirements, analog of European CS-23 and American FAR-23.

Distinctive features of the airplane:

- «clean» aerodynamic shape and retractable landing gear provides cruise high performance. However, Fowler flaps with large diameter wheels allow operation from unpaved runways;
- easy entry and exit (to the rear seats similar with three-door cars);
- exceptional view for the crew due to the selected layout of power plants;
- application of proven engines (motor gasoline A-95) with a quality dealer support;
- comfortable conditions for the crew because of the of interior dimensions and efficient ventilation and heating.

The main applications of the MAI-409 aircraft:

- air travel and air tourism;
- initial training and professional selection of flight crews;
- aerial photography, tool monitoring, air patrols gas and oil pipelines, power lines, etc.;
- using as military airplane.

An important feature is an ability of a multi-purpose single-type airplane employment for all the above tasks.

This is provided by a reasonable combination of conflicting factors:

- maximum cruise and minimum landing speeds;
- easy flying and sufficient maneuverability;
- long range and ability of landing on unprepared runways.

It should be noted that the cost of two-engine aircraft MAI-409 does not exceed the cost of single-engine aircraft in its class.

Main Performance Data

Fuselage length	8,32 m
Wing area	14,1 m ²
Wing span	11,7 m
Engines	Rotax 912S, 2x100 h. p.
Max takeoff weight	1190 kg
Useful load	325 kg
Maximum speed of level flight	310 km/h
Maximum rate-of-climb	6 m/s
Maximum cruising altitude	up to 3000 m
Maximum payload range	1500 km
Take-off run/ Landing run	150 m/ 180m

Airplane developer — OSKBES MAI



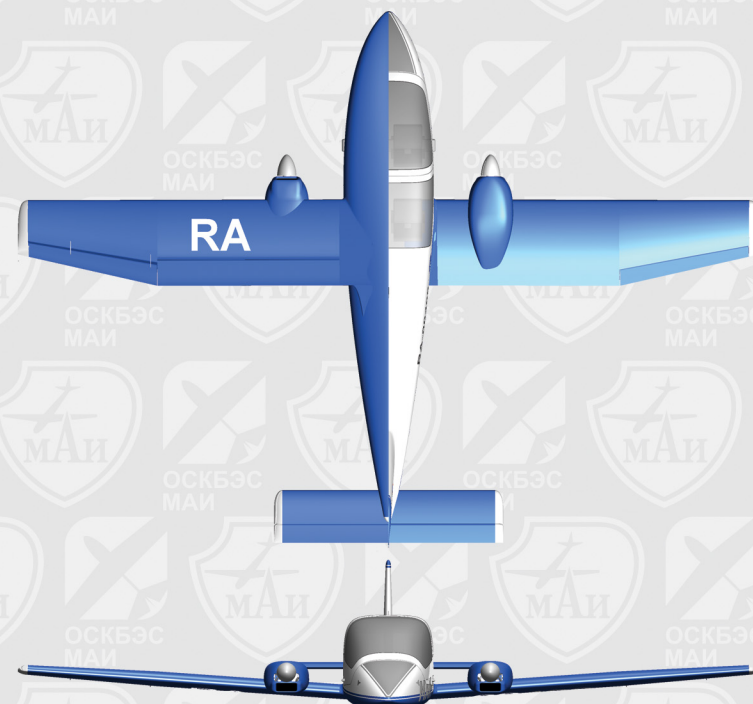
Design Bureau
of Moscow Aviation Institute
(State University of Aerospace
Technologies)

Phone: +7 495 971 85 52; +7 499 158 44 68

Phone/fax: +7 499 158 49 09

Email: oskbes@mai.ru

Chief Designer: Vadim Demin



www.oskbes.ru