

**AERO-EAST-EUROPE**

*IN COMPLIANCE WITH JAR VLA PART 21*

**SILA 450 C**

*CERTIFIED IN GERMANY UNDER LTF-UL*



LYKA - AERODROMSKA BB 36000 KRALJEVO SERBIA



# SILA 450 C

## SPECIFICATIONS & PERFORMANCES

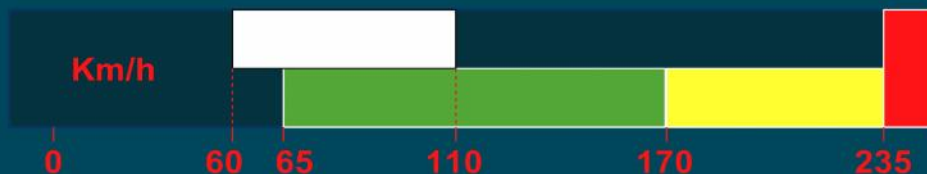
In standard conditions & TOW 472.5Kg

### TECHNICAL SPECIFICATIONS

WING SPAN	9.40M
WING CHORD	1.27M
WING AREA	11.94m <sup>2</sup>
LENGHT	6.6m
CABIN HEIGHT	1.15M
CABIN WIDTH	1.22m
LANDING GEAR	TRICYCLE
LAND. GEAR WIDTH	2.0m
SEATS	2 SIDE BY SIDE
BAGGAGE COMP.	50Kg
ENGINE	ROTAX 912/914
PROPELLER	2/3 BL. FIX OR VPP
FUEL TANKS Nr. 3	45+45+10Litres
MULTIFUEL	100LL avgas & Automotive 94/98
EMPTY WEIGHT	290.7Kg
MTOW	Meet the LTF-UL German Requirements

### PERFORMANCES ROTAX 912 ULS

Vne	235Km/h
Max Speed	220Km/h
Cruising Speed 75%	190Km/h
Vso	60Km/h
Vs <sub>1</sub>	65Km/h
Va	170Km/h
Vc	200-235Km/h
Vno	65-200Km/h
Xss Wind Comp	28Km/h
Tail Wind Comp	15Km/h
Rate Of Climb	5.6m/sec
Endurance	6Hrs
Range	1080Km
Lift to Drag	15
Take Off run	50m
Landing Run	80m



Exclusively Metallic High Wing: Al 2024, Al 2017, Al 6061, CrMo & galvanized steel

**NACA  
5417**

**1270**

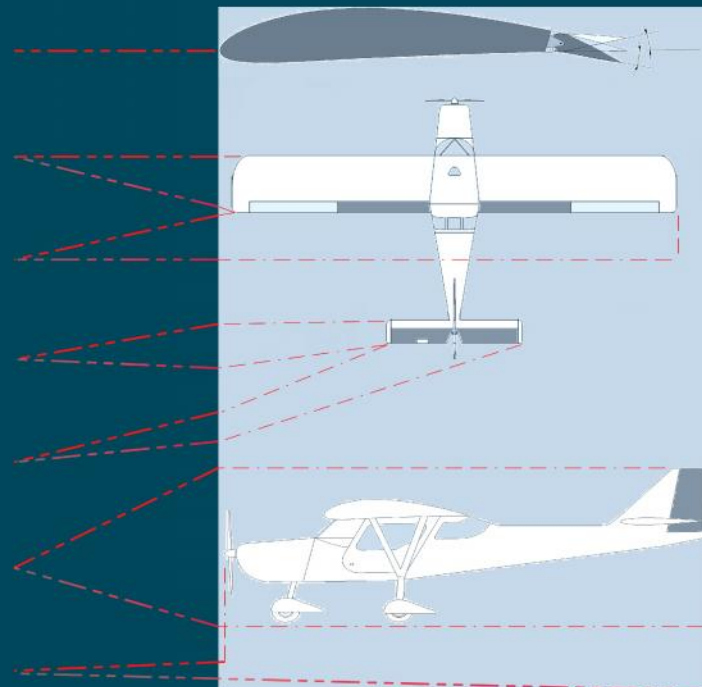
**9400**

**850**

**2470**

**2400**

**6600**

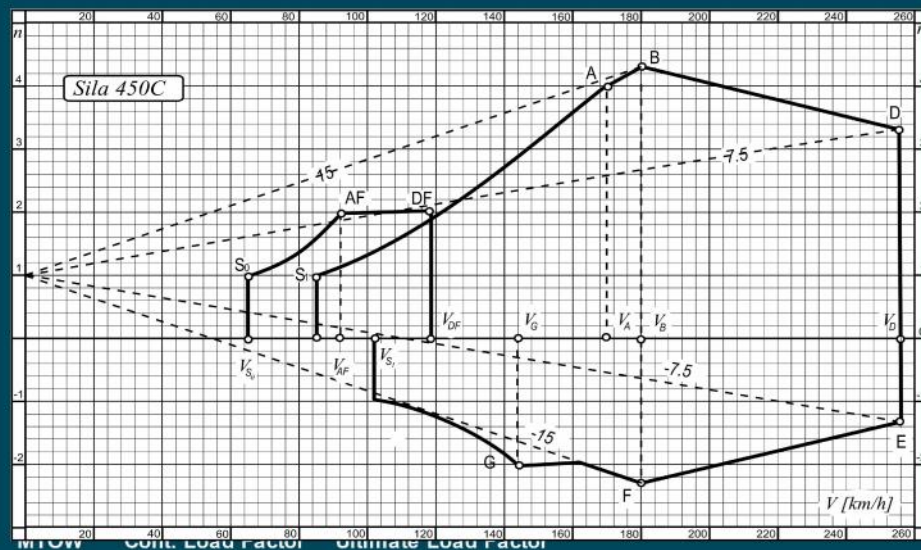


Non retractable tricycle landing gear with steerable nose wheel and differential brakes.

ADVANCED UL UNDER JAR VLA PART 21 & GERMAN LTF-UL

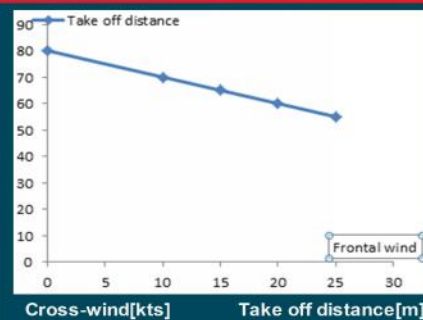
# SILA 450 C

## SPECIFICATIONS & PERFORMANCES

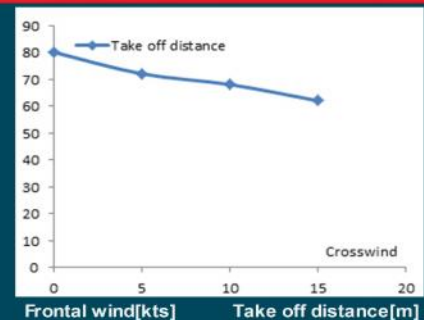


PBMO	Fc +	Fld +
450 Kg	Fc 4.2	Fld 6.3
472.5 Kg	Fc 4.0	Fld 6.0
MTOW	Cont. Load Factor	Ultimate Load Factor

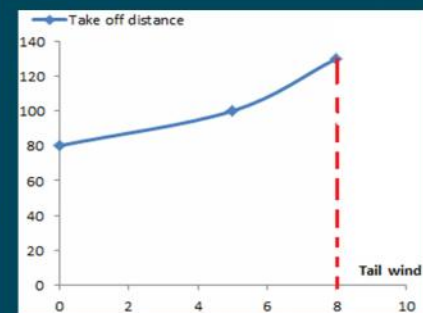
PBMO	Fc -	Fld -
450 Kg	Fc 2.1	Fld 3.2
472.5 Kg	Fc 2.0	Fld 3.0



0	80
5	72
10	68
15	62



0	80
5	72
10	68
15	62



Tail wind [kts]	Take off distance [m]
0	80
5	100
8	130



# SILA 450 C

**"Ultra Light" without giving up anything**

SILA 450 C in few words: affordable metallic airplane, elegant, reliable, fast, stable, comfortable and good looking.

The airplanes are built using certified metal alloys resulting in a global completely metallic airframe, the planes are in all cases realized in aluminium as well as in steel Cr Mo. The quality of the product is present in every detail.

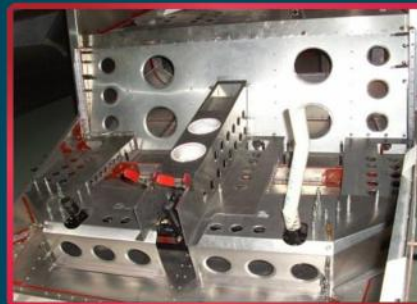


**All that have been developed in a true JAR VLA aircraft of only 472.5Kg MTOW named SILA 450 C that indeed meets the German UL standards.**



An all metallic high wing airplane produced under JAR standards as well as the other aircraft of the SILA series. The mascot of the series is already certified in Germany in accordance with LTF-UL. AeroEastEurope offers performances, attractiveness, comfort and high standards of quality.

Every one of the models in production follows the JAR standards so that the same standards are adopted for the realization of any of the models in production no matter what will be the MTOW or in which category the aircraft will be registered.





# SILA 450 C

**"Ultra Light" without giving up anything**

AeroEastEurope produces and develops new aircraft according to JAR VLA part 21 & 23 standards. The investment in the development of the new SILA series (Serbian Industry of Light Aircraft) led to the lightest SILA 450C (MTOW 472.5Kgs) studied for the UL market.

Every one of the aircraft realized by Aero-East-Europe d.o.o. is characterized by luxurious and fully sized proportions as well as by their extraordinary flying stability. Our airplanes have also important value of range and endurance: flying means of course to cruise far away. Above all, SILA 450 C is a plane indeed for cruising comfortably and long range (ranges over 1000 Km). Speedy and with a flight trim very stable (SILA 450C is very stable even in presence of turbulence).

The comfort is resulting from the cabin dimensions and from the complete absence of vibrations; a stable and precise flight is not only a characteristic of the SILA 450 C but of every one of the a/c produced by AeroEast. As concerning long range cruising flights it is possible to load and stow luggage up to 50 Kgs in the designated space.

The STOL characteristics of SILA 450 C are however a must: AeroEast designing philosophy is based on a safe and pilot-friendly behavior. The drawing technical solutions allow a very low Vso resulting at least in a very short take off and landing run.

With its elegant behaviour in the air SILA 450C is stable and reliable under any different condition of wind and temperature. Its style of flight is precise and "pilot-friendly".



ADVANCED UL UNDER JAR VLA PART 21 & GERMAN LTF-UL