



TRAINING AND SPORTING AIRCRAFT



Z-142C

**ZLIN TRADE MARK –  
TOP OF AEROBATIC FLYING**

# Z-142 C

designed and built according to FAR 23-20, type certificate 80-01 amendment 3, satisfies the ICAO noise requirements

Z-142 C was approved also in: Germany LBA 1070  
Canada DOT A-163  
South Africa

Enjoy the excitement of suffering from a weightlessness, relish a magnificent outlook from well-glazed, spacious cockpit even with the rarest manoeuvres in the aircraft that matches task.

**ZLIN Z-142 C**

- all metal, two seat, training aircraft, fully aerobatic, robust, truss type structure, central part of fuselage covered with composite skin
- able to operate from grassy airfield
- certified for aerobatic flying with gross takeoff weight of 970 kg (2130 lbs)
- safe and reliable for all aerobatic manoeuvres within +6 g to -3,5 g load factors
- suitable for glider or streamer towing
- comfortable and trustworthy

The Z-142 C can accommodate the most extensive array of sophisticated avionics matching your intention of night or instrument flying. You can specify exactly what you need from an ample list of avionics.

The simple, dependable and powerful (210 hp) Walter Avia M-337 AK engine adds an uncommon degree of reliability and responsiveness to Z-142 C's performance.

You can do your own maintenance. First visit to authorized service station comes only after 1500 hours of aerobatic flying.

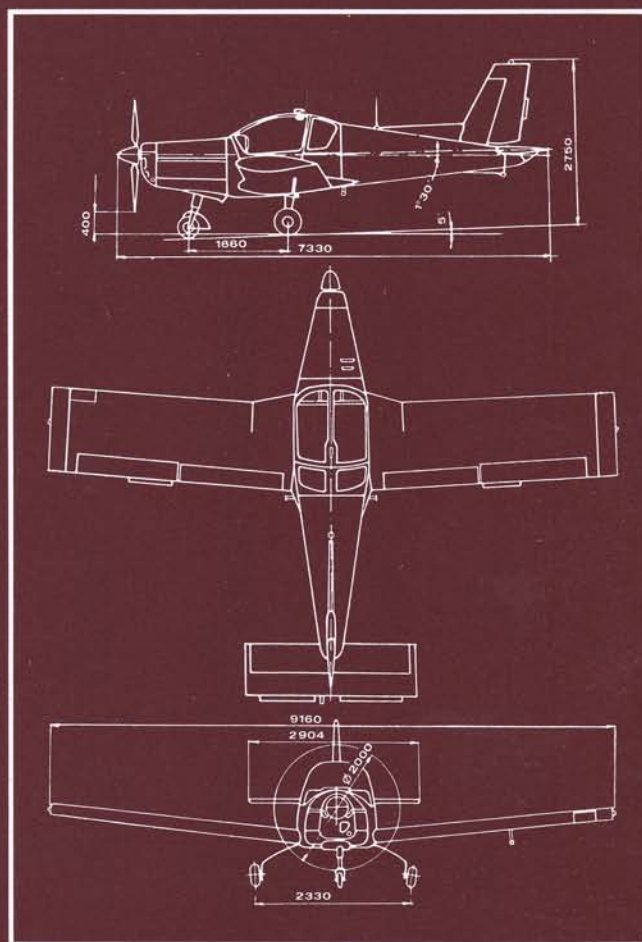
For the price of the luxurious sport car you can get the excellent aerobatic aircraft.

If you don't fly, we will teach you in our ZLIN AIR flying school, using your new ZLIN Z-142 C. And if you already fly, we will make the aerobatic pilot from you. We want you to know as much about the aircraft as we do.

MORAVAN Inc. is among the largest sport and training aircraft manufacturer on the world. From the establishment of the factory in 1934, there have been developed almost 50 versions of ZLIN gliders and single engine airplanes in our design departments. Every aircraft we build is assembled by people who take a great pride in their work.

The Z-142 C is also result of their craftsmanship. Ask thousands of pilots who have learned to fly using our aircraft and you will immediately understand what we are talking about.

If you have any questions or if you want to buy ZLIN Z-142 C right now, please contact our sales department. We will be glad to help you.



**SPECIFICATION OF ZLIN Z-142 C**

BASIC DIMENSIONS		
wing span	9,16 m	30 ft 1/2 in
length	7,33 m	24 ft 1/2 in
height	2,75 m	9 ft 1/4 in

Engine	Power	R.p.min	Fuel consumption
Max. take off	210 h.p.	2750 r.p.min	83 l (18,3 imp.gal.)/h
Max. continuous	170 h.p.	2600 r.p.min	54 l (11,9 imp.gal.)/h
Max. cruising	150 h.p.	2400 r.p.min	44 l (9,7 imp.gal.)/h
Economy cruising	125 h.p.	2400 r.p.min	37 l (8,1 imp.gal.)/h





	Category					
	Aerobatic		Utility		Normal	
Empty weight	730 kg	1609 lb	730 kg	1609 lb	730 kg	1609 lb
Gross weight	970 kg	2138 lb	1020 kg	2249 lb	1090 kg	2403 lb
Load factors	+6 ; -3,5		+6 ; -3		+3,8 ; -1,5	
Takeoff run distance	231 m	758 ft	236 m	774 ft	252 m	827 ft
Takeoff distance over 15 m (50 ft) obstacle	462 m	1516 ft	499 m	1637 ft	567 m	1860 ft
Climbing rate	5,5 m/s	330 m (1081 ft)/min	5,1 m/s	306 m (1004 ft)/min	4,4 m/s	264 m (866 ft)/min
Max. speed	231 km/h	124 kts 143 m.p.h	231 km/h	124 kts 143 m.p.h	227 km/h	122 kts 141 m.p.h
Max. cruising speed	192 km/h	104 kts 119 m.p.h	192 km/h	104 kts 119 m.p.h	185 km/h	100 kts 115 m.p.h
Volume of fuel tanks						
- main tanks	2×60l	2×13,2 imp.gal.	2×60l	2×13,2 imp.gal.	2×60l	2×13,2 imp.gal.
- auxiliary tanks	0		0		2×50l 2×11,0 imp.gal.	
Range	525 km	326 mi 283 int.n.mi	525 km	326 mi 283 int.n.mi	950 km	590 mi 513 int.n.mi







Designed and manufactured by

**MORAVAN Inc.**

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