

AIRCRAFT SPECIFICATION:

AIRCRAFT TYPE: **PS-28 Cruiser**
 AIRCRAFT S/N: **C0518**
 CENTRAL WING SECTION S/N: **518**

INSTALLED EQUIPMENT:

Rotax 912 ULS2 with airbox and thermostats
 Sensenich 3B0R5R68C three-blade ground adjustable propeller
 ASI, ALT, VSI, Vertical card magnetic compass, Electric turn coordinator
 Electric attitude indicator, Electric directional gyro, MD200-306 CDI
 Garmin GNC255A transceiver, PS Engineering PM3000 intercom
 Garmin GTX328 transponder, Sandia SAE5-35 altitude encoder
 Garmin Aera500 GPS, King AK451 ELT, Antennas
 Engine RPM indicator, Oil pressure and temperature gauges, CHT indicator
 Fuel pressure and quantity indicators, Voltmeter, Engine hours counter
 G-205 trim control and PTT on the control sticks, Trims and flaps electrically actuated
 Landing light in cowl, Cockpit light, Instrument lighting
 AVE-WPST wing tip LED strobe/nav lights, 12V socket
 Adjustable pedals, Dual hydraulic brakes, Parking brake
 Efficient cabin heating, Carburetor preheating, Wheel fairings tricycle
 Upholstery, Paint, Sunshade, Arm supports, Forward ballast

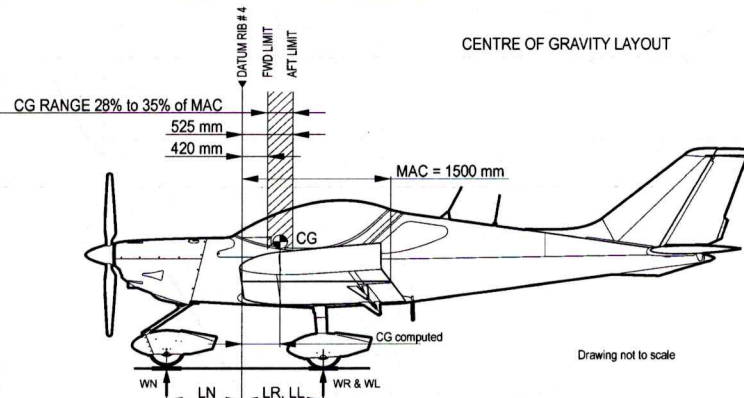
NOTE: Data in blue boxes can be changed.

MEASURING THE AIRCRAFT:

Inflate the tires, drain the fuel from wing tanks.
 Level the upper fuselage longeron with a spirit level.
 DATUM is on leading edge at RIB # 4.
 Measure wheel axle location from DATUM.
 Positive arm is behind the DATUM.

LIQUIDS SPECIFICATION:

FUEL WEIGHT	0.72 KG/LITER
VOLUME (MAX)	114.00 LITRES
OIL WEIGHT	0.90 KG/LITRE
VOLUME (MAX)	3.80 LITRES
COOLANT WEIGHT	1.03 KG/LITER
VOLUME (MAX)	2.50 LITRES



OPERATING C.G. LIMITS :	MM	% MAC
MAC :	1,500.0	100.0%
FORWARD CG :	420.0	28.0%
REARWARD CG :	525.0	35.0%
CG RANGE :	105.0	7.0%

EMPTY WEIGHT C.G. LIMITS :	MM	% MAC
MAC :	1,500.0	100.0%
FORWARD CG :	427.5	28.5%
REARWARD CG :	442.5	29.5%
CG RANGE :	15.0	1.0%

AIRCRAFT EMPTY WEIGHT CENTER OF GRAVITY

POSITION OF:	ARM MM
RIGHT MAIN WHEEL (LR)	792
LEFT MAIN WHEEL (LL)	781
NOSE WHEEL (LN) <small>NOTE: NEGATIVE ARM (-)</small>	-717
DISTANCE BETWEEN NOSE AND MAIN WHEELS	1,504

WEIGHING POINT:	SCALE READING	TARE	NET WEIGHT
	KG		
RIGHT WHEEL (WR)	149.4	0.0	149.4
LEFT WHEEL (WL)	149.6	0.0	149.6
NOSE WHEEL (WN)	91.2	0.0	91.2

EMPTY WEIGHT: NOTE: EMPTY WEIGHT IS INCLUDING OIL, COOLANT, HYDRAULIC FLUID AND UNUSUAL FUEL **390.2** KG

MAXIMUM TAKEOFF WEIGHT (CS-LSA / ASTM LSA CATEGORY): **600.0** KG

MAXIMUM USEFUL WEIGHT: NOTE: MAX. USEFUL WEIGHT IS INCLUDING PILOT, PASSENGER, BAGGAGE AND FUEL **209.8** KG

AIRCRAFT EMPTY WEIGHT C.G. CALCULATION:

MOMENT (KG MM) = WEIGHT (KG) x ARM (MM)



	WEIGHT KG	ARM MM	MOMENT KG MM
RIGHT MAIN WHEEL	149.4	792	118,324.8
LEFT MAIN WHEEL	149.6	781	116,837.6
NOSE WHEEL	91.2	-717	-65,390.4
TOTAL:	390.2		169,772.0 KG MM

AIRCRAFT C.G. = $\frac{\text{TOTAL MOMENT}}{\text{TOTAL WEIGHT}}$ (MM) x $\frac{100}{\text{MAC}}$ (%)

RESULT OF AIRCRAFT EMPTY WEIGHT C.G.: **435.1** MM
29.0% of MAC

DATE : 2014-07-11

ENTITLED PERSON SIGNATURE :



 Pavel Lukeš