



GREAT FOR SCHOOL | GREAT FOR ADVENTURE

AMPHIBIAN
TWO SEATER
TRAINER AND
CRUISER
FROM VOLGA



BOREY

DESIGNED FOR WILDERNESS

(Βορέας)
BOREY
GOD OF THE
NORTH WIND

From Ancient
Greek mythology

ADVANTAGES

Simple to fly and to maintain



Ideal for pilot training on flying amphibious seaplane



Ideal for hunters, fishermen, adventurers



Composite structure



Large cargo compartments



Safe Design



Ballistic Parachute System, BRS (option)



Can operate in wind waves up to 50 cm (20 inches)



Short takeoff on land and on water



Ability to taxi through shallow water overgrown with sedges



Ability to ramp up from water onto shore and vice-versa



Snow ready (skis-option)



Airframe warranty two years or 100 flight hours



Responsive customer service and support



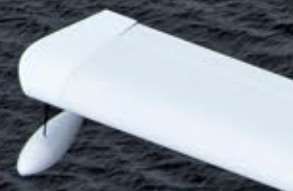
AMPHIBIAN TWO SEATER TRAINER AND CRUISER FROM VOLGA



PHOTOS BY Jean-Pierre Bonin and Eric Dumigan



AIRCRAFT PERFORMANCE



CATEGORY	AULA		LTF-UL/LSA	
Maximum take-off weight	560 kg	1234 lb	650 kg	1433 lb
Engine	Rotax 912UL		Rotax 912ULS (S)	
Engine power	59.6 kW	80 hp	73.5 kW	100 hp
Never-exceed speed VNE	198 km/h	123 mph	198 km/h	123 mph
Maximum cruise speed	154 km/h	96 mph	185 km/h	115 mph
Stalling speed	67 km/h	36 kts	70 km/h	38 kts
Rate of climb	4 m/s	787 ft/min	4 m/s	787 ft/min
Take-off run (land)	160 m	525 ft	150 m	492 ft
Take-off run (water)	210 m	689 ft	200 m	656 ft
Landing roll on land	150 m	492 ft	150 m	492 ft
Landing roll on water	200 m	656 ft	200 m	656 ft
Take-off distance (land)	375 m	1230.31 ft	350 m	1148 ft
Take-off distance (water)	475 m	1558 ft	450 m	1476 ft
Maximum flight range with extra tanks 30 L	900 km	485 nm*	900 km	485 nm
Wave height capability	0.5 m	20 inches	0.5 m	20 inches

*Range is based on maximum fuel onboard, max gross weight must not exceed Approved AULA weight rating

CERTIFICATION RULES



AULA
TP-10141

560 kg | 1234 lb
the Canadian
Advanced Ultra Light
Aeroplane Standards



LTF-UL
2018

650 kg | 1433 lb
Germany and
countries that have
approved these rules



ASTM
2245

650 kg | 1433 lb
USA and countries that
have approved the rules
of Light Sport Aircraft

— LSA Cert —



SPEED (LTF-UL/LSA)



185 km/h
115 mph

MAX. CRUISE

198 km/h
123 mph

VNE

RANGE (LTF-UL/LSA)

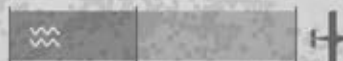


900 km
485 nm

With 30 L EXTRA TANK

TAKE OFF (LSA)

LAND 492 FT 150 M 1148 FT 350 M



WATER 200 M 656 FT 450 M 1476 FT

UP TO 50 kg
110 lbs

UP TO 50 kg
110 lbs

CARGO COMP.



AEROVOLGA



FEATURES

Seats	2
Front cargo compartment	up to 50 kg 110 lbs
Aft cargo compartment	up to 50 kg 110 lbs
Slide windows	on both doors
Titanium spring struts for outrigger floats	
Flaperons Structure	manually operated carbon-fibre composite
Colour	white
Service placards	in English
Landing gear retraction	manual
Brakes	hydraulic, from the left seat pedals
Towing eye	
Main wheels	5.00 x 5
Landing gear	with steerable tail wheel

ALL COMPOSITE STRUCTURE

Exceptionally durable and light

FLAPERONS

Efficient wing-flap

STEERABLE TAIL WHEEL

Provides easy ground and water control

STEP

Reduces take-off run on water





FIXED-PITCH PROPELLER

Efficient design – simple and failproof

SIMPLE LANDING GEAR RETRACTION MECHANISM

Pilot retracts landing gear by simply turning a lever

OPTIMAL WING AIRFOIL FOR OUTRIGGER FLOATS

Provides excellent aerodynamic efficiency

TITANIUM SPRING STRUTS FOR OUTRIGGER FLOATS

Improves floats endurance

STREAMLINED FLOATS

Excellent stability and low aerodynamic drag

BRAKE WHEELS

Reduces take-off run and roll on land

OPTIMAL HYDRODYNAMICS

Great seaworthiness Propeller and windshield are clear of water spray



AEROVOLGA



INSTRUMENT PANEL

NOT ALL OPTIONS ARE AVAILABLE IN ALL COUNTRIES (check the Order form)

STANDARD EQUIPMENT

Display Glance EFIS-105,
including PFD, MFD, EMS
and voice information system

PFD FEATURES INDICATORS:

Airspeed
Turn-slip
VSI
Altimeter
Gyro horizon
G-meter
OAT

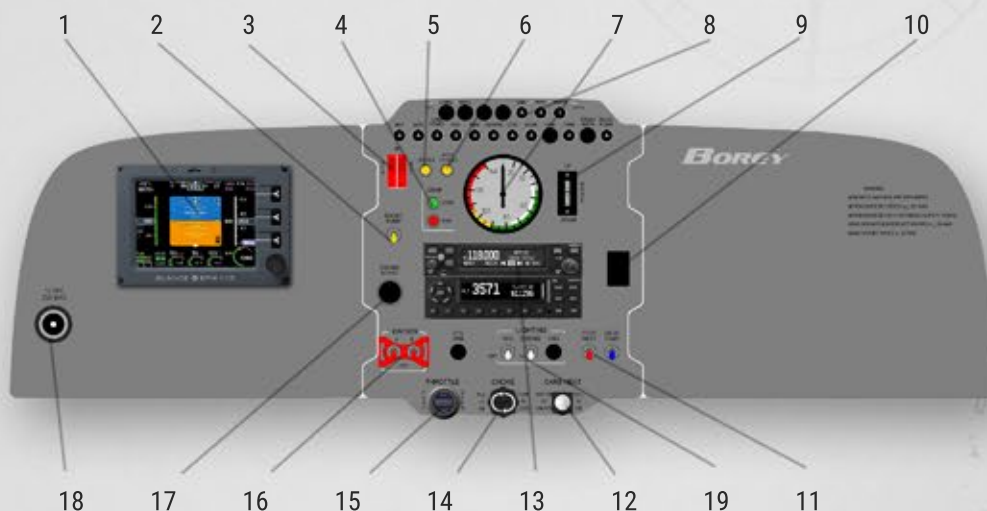
EMS FEATURES INDICATORS:

Tachometer
Cylinder head temperature
Oil temperature
Oil pressure
Fuel gauge in the left
and right tanks
On-board electric system
voltage level
and battery charge current

MFD FEATURES:

Ground speed
GPS navigator
Flight planning

A STANDARD BASIC CONFIGURATION



- 1 Display Glance EFIS
- 2 Fuel pump switch
- 3 MASTER switch
- 4 Landing gear lock indicator
- 5 Generator failure indicator

- 6 Pitot heat failure indicator
- 7 Backup speed indicator
- 8 Circuit breaker panel
- 9 Elevator trim indicator
- 10 ELT Emergency Location Transmitter remote control

- 11 Pitot heat switch
- 12 Carburetor heat control
- 13 GARMIN GTR 200 or similar
- 14 Choke knob
- 15 Throttle
- 16 Ignition switch
- 17 Starter button
- 18 DC 12 V socket
- 19 NAV&STROBE



OTHER STANDARD EQUIPMENT

Backup Airspeed indicator 3-1/4"	Generator failure indicator
Magnetic compass	Battery 16 A·h
Fuel boost pump	Carburetor heating
Electrical elevator trim tab with indicator	Maintenance documentation (English)

OPTIONAL CONFIGURATION

B1

G3X, GTR-200 or 20R
GTX 345 or 345R
(ADS-B in & out),
analog airspeed
indicator.



B2

G3X, GTR-200 or 20R
GTX 345 or 345R
(ADS-B in & out),
G5,
Garmin 660/760



Cigarette
lighter (1)

ELT 406
ready (Option)

Cockpit
lighting

Elevator and
flaperon gust locks

Jacks for two
headphones

Pitot probe
cover

Pitot heat
with failure
indicator

Flight log
(English)



AEROVOLGA



EQUIPMENT'S OPTION



OPTIONALS

18 kg	BRS
0.3 kg	The second cigarette lighter on the right
0.6 kg	Landing light
1.1 kg	Electrical bilge pump (free)
3.1 kg	Cockpit heating
1.4 kg	Brakes for the right seat position
0.8 kg	GARMIN G-5, including magnetic compass (instead backup speed indicator)
0.8 kg	2 Headrests
2.0 kg	Transponder Mode S
6.0 kg	EFIS G-3X, including PFD and EMS, instead of Glance
1.5 kg	Additional features G-3X: transponder Mode S, including ADS-B in & out; backup transceiver GTR-20R

0 kg	TAWS; weather receiver
0.5 kg	Camcorder Garmin S02 G3X
0.6 kg	Docking station for Garmin 660/760 on the right panel
0 kg	Interconnection of the auxiliary auxiliary audio (3.5 mm) on the headset through the intercom
0.7 kg	Rotax 912S or Rotax 912 iSc
0.0 kg	Rotax 912 A/F
2.8 kg	Aft cargo container
6.0 kg	Set of snow skis (not amphibious) (taking into account the reduction in weight by removing the wheels of the main and rear landing gear)
DX version of interiors (depending on certification)*	



ADD. EQUIPMENT

- 2 oars/boat-hooks
- 2 life jackets
- Drag anchor
- Harbour anchor
- 2 headset with microphone
- Garmin 660/760+GDL XX
- Cover for cockpit
- Covers, full set
- Electric heater for preheating instruments and cockpit, powered by the cigarette lighter

THE TOTAL WEIGHT OF
OPTIONAL EQUIPMENT
MUST NOT BE MORE THAN **18,5 kg**



* All interiors pictures are related to the optional Borey LX version.

BOREY

BASIC



For Borey we created several possible color schemes: the painting of some areas (engine and rudder),

a standard livery and three different optional liveries that can be ordered on request.

FOR DETAILS CHECK THE ORDER FORM

LIVERIES & COLORS*

STANDARD LIVERY



CUSTOM LIVERY



A



B



C

*Available liveries may differ in colours and shapes from the illustrations

OPTIONAL PAINTING*

PROPELLER

SPINNER

RUDDER



BRIGHT RED | YELLOW | DEEP BLUE





20K

MORE THAN
20.000KM

45

FORTYFIVE
DAYS

ADVENTURE

In summer of 2018, three AeroVolga aircraft, one **BOREY** model L accompanied by two **LA-8** performed a flight navigating **around the world** along the **Polar Circle** over the territories of eight countries: *Russia, USA, Canada, Greenland, Iceland, Norway, Sweden, Finland and Russia.*

The trip took **43 DAYS**, the aircraft flew more than **20,000 km** over land, seas and oceans without failure or incident.



9 NINE
COUNTRIES

3 THREE
CONTINENTS

2 TWO
OCEANS



T H E P O L A R R O U N D - T H E - W O R L D F L I G H T

AEROVOLGA

6927 (22'6")

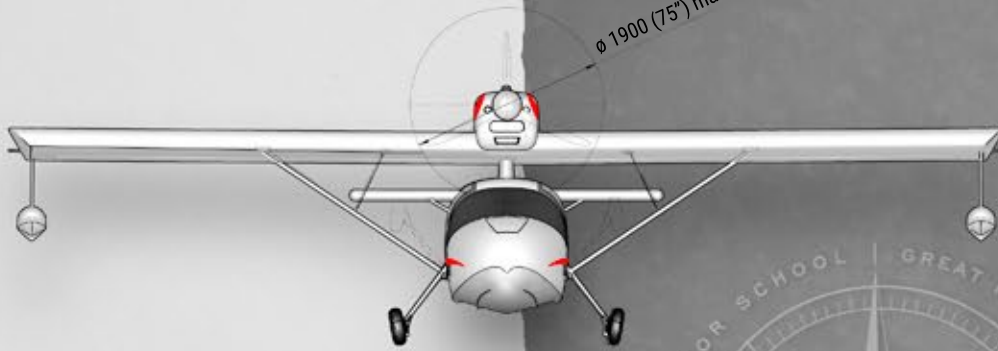


AIRCRAFT



4335 (14')

Ø 1900 (75") max



2078 (6'10")



1400 (55")

9760 (32')

800 (31.5")

3072 (10')





BOREY

DESIGNED FOR WILDERNESS

MANUFACTURER



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446370, Samara region
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aerovolga@gmail.com
www.aerovolga.com

DISTRIBUTOR



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SEE DEALERS
LIST ON
AEROVOLGA
WEBSITE

