**Borey** (Greek) — God of the north wind (from Ancient Greek mythology)  
Borey is an amphibious aircraft

**Certification rules:**
- the Canadian Advanced Ultra Light Aeroplane Standards (AULA)
- LTF-UL (650 kg) — Germany and countries that have approved those rules
- ASTM 2245 — USA and countries that have approved the rules of Light Sport Aircraft (LSA) certification

**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 (19.7 inches)
- Short takeoff and landing
- Ability to taxi through shallow water clogged with sedge
- Ability to ramp up from water onto shore and vice versa
- Snow ready (skis — option)
- Airframe warranty two years or 100 flight hours (whichever occurs first)
- Responsive customer service and support

Borey is an ideal choice for private pilots and flying schools
# Aircraft Performance

<table>
<thead>
<tr>
<th>Category</th>
<th>AULA</th>
<th>LSA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum take-off weight, kg (lb)</td>
<td>540 (1190)</td>
<td>650 (1433)</td>
</tr>
<tr>
<td>Engine</td>
<td>Rotax 912UL</td>
<td>Rotax 912ULS (S)</td>
</tr>
<tr>
<td>Engine power, kW (hp)</td>
<td>59.6 (80)</td>
<td>73.5 (100)</td>
</tr>
<tr>
<td>Speed, km/h (knots)</td>
<td>198</td>
<td>185 (100)</td>
</tr>
<tr>
<td>Cruise speed, km/h (knots)</td>
<td>154</td>
<td>185 (102)</td>
</tr>
<tr>
<td>Stall speed, km/h (knots)</td>
<td>67</td>
<td>70 (37)</td>
</tr>
<tr>
<td>Rate of climb, m/s (ft/min)</td>
<td>4</td>
<td>4 (870)</td>
</tr>
<tr>
<td>Take-off run (land, m ft)</td>
<td>160</td>
<td>150 (495)</td>
</tr>
<tr>
<td>Take-off run (water, m ft)</td>
<td>210</td>
<td>200 (650)</td>
</tr>
<tr>
<td>Landing roll on land, m (ft)</td>
<td>160</td>
<td>150 (495)</td>
</tr>
<tr>
<td>Landing roll on water, m (ft)</td>
<td>200</td>
<td>200 (650)</td>
</tr>
<tr>
<td>Take-off distance (land, m ft)</td>
<td>375</td>
<td>350 (1148)</td>
</tr>
<tr>
<td>Take-off distance (water, m ft)</td>
<td>475</td>
<td>400 (1314)</td>
</tr>
<tr>
<td>Maximum flight range with extra tanks 30 L, km (nm)</td>
<td>900</td>
<td>830 (476)</td>
</tr>
<tr>
<td>Wave height capability, m (ft)</td>
<td>0.5</td>
<td>0.5 (1.64)</td>
</tr>
</tbody>
</table>

**Borey**

Simple and Reliable
AIRFRAME

- Seats: 2
- Front cargo compartment: up to 50 kg
- Rear cargo compartment: up to 50 kg
- Slide windows on both doors
- Titanium spring struts for outrigger floats
- Flaperons: manually operated
- Structure: carbon-fiber composite glass and carbon 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

**Motor**
- Rotax 912UL
- Fixed-pitch propeller

**Propeller and windshield**
- Clear of water spray

**Flaperons**
- Efficient wing flap

**Optimal wing airfoil**
- Provides excellent aerodynamic efficiency

**Titanium spring struts for outrigger floats**
- Improves float endurance

**Streamlined floats**
- Excellent stability and aerodynamic drag

**Optimal hydrodynamics**
- Great seaworthiness

**Landing gear retraction mechanism**
- Simple
- Primer pedal retraction

**Brake wheels**
- Reduces take-off run on land
- Exceptionally durable and light

**All composite structure**
- Exceptionally strong and light

**Efficient design**
- Simple and failproof

**Motor**
- Automotive gasoline, TBO is 2000 hr.
AVIONICS

Display Glance EFIS-105, including PFD, MFD, (MFS) and voice information system:

**PFD features indicators:**
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. Circuit breaker panel
8. Choke knob
9. Strobe
10. ELT (emergency location transmitter) remote control
11. Pitot heat switch
12. Carburettor heat control
13. GARMIN GTR 200 or similar
14. Primer button
15. DC 12 V socket
16. NAV & STROBE

**EMS features indicators:**
- Back-up airspeed indicator 3-1/4"
- Gyro horizon
- G-meter
- OAT
- Aluminum propeller
- Oil pressure
- Fuel pressure
- Fuel gauge in the left and right tanks
- Fire extinguisher
- Electrical elevator trim tab with indicator
- Generator failure indicator
- Battery: 16 A-h
- OIL pressure
- Oil temperature
- Fuel temperature
- Fuel gauge in the left and right tanks
- On-board electric system voltage level and battery charge current
- Batteries: 16 A·h
- Carburetor heating
- Cigarette lighter: one on the left
- Cockpit lighting
- Jacks for two headphones
- ELT: 406 S
- Maintenance documentation (English)
- Flight log (English)

**OTHER STANDARD EQUIPMENT:**
- Backup Airspeed indicator 3-1/4"
- Magnetic compass
- Gyro horizon
- G-meter
- OAT
- Tachometer
- Cylinder head temperature
- Oil pressure
- Oil temperature
- Fuel gauge in the left and right tanks
- Oil pressure
- Oil temperature
- Battery: 16 A·h
- Carburetor heating
- Cigarette lighter: one on the left
- Cockpit lighting
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Additional equipment not included in the weight summary:

- 2 oars/boat-hooks: +0.4 kg
- Garmin 795/796 + GDL 39 3D kit: +0.0 kg
- Cover for cockpit: +0.0 kg
- Covers, full set: +0.0 kg
- Electric heater for preheating instruments and cockpit, powered by the cigarette lighter: +0.0 kg

**WARNING:** the total weight of optional equipment must not be more than 18.5 kg!

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<th>OPTIONS</th>
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<td>RBS</td>
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<td>+0.3</td>
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<td>Landing light:</td>
<td>+0.08</td>
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<td>Electrical bilge pump:</td>
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<td>+3.7</td>
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<tr>
<td>Brakes for the right seat position:</td>
<td>+1.4</td>
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<td>Parking brake:</td>
<td>+0.5</td>
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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.