

# ORCA

Electric Personal Watercraft



TAIGA MOTORS

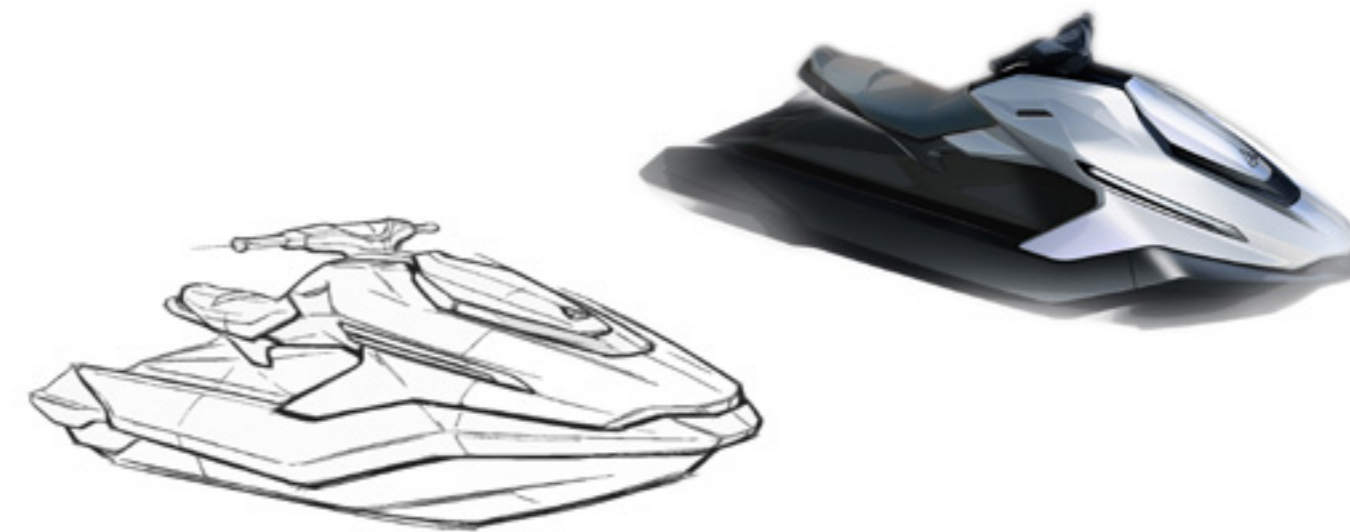


# LIKE NO OTHER

Orca was designed from a clean sheet to embody the elegant, powerful, and playful characteristics of its namesake. Without the restrictions imposed by combustion engines, our designers were free to rethink traditional design practices that have constrained personal watercraft design over the past decades.

Orca introduces a new era of design sophistication for personal watercraft, from its aerodynamically sculpted body to its unique seat design and carbon fiber body. At the same time, it retains the unmistakable Taiga DNA, from the organic hyperbolic upper profile lines to the signature lateral fins.

The new floating seat design highlights the reduced packaging height of the electric drive and provides the lowest center of gravity of any personal watercraft. For the rider this translates to enhanced stability and precision carving on the water. Adjustable sponsons allow users to easily adjust the ride dynamics from leisurely play to racing characteristics.



2.9m (9.5 ft) long, 1.2m (3.9 ft) wide  
and 1.01m (3 ft) tall

Under 600lbs Ready To Drive

One of the highest power  
to weight ratios







# POWERFUL EFFICIENCY

Taiga's electric drive platform is at the heart of the shift towards a new era of powersports without compromise. Born out of the single-minded vision of enabling the best possible electric off-road vehicles, the platform was engineered from a clean sheet to deliver unyielding performance across snow, water, and dirt trails.

The performance package equipped Orca can generate over 134kW (180hp) for incredible acceleration and a top speed up to 104km/h (65mph). With a sub 5-millisecond response time, the drive delivers incredible control on any terrain. Precision impeller speed control is achieved to maximize efficiency and reduce noise levels under varying conditions.

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Drive: 134kW (180hp)

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Top Speed: 104km/h (65mph)

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Response time: <5ms









# JUST UNPLUG AND PLAY

No more trips to the gas station, no more hauling fuel down to the dock or spills into the lake, and no more engine maintenance; Orca redefines the experience of owning a personal watercraft. Spend an afternoon on the water, charge overnight, unplug and repeat. Orca will keep delivering year after year so users can focus on what matters, escaping into the great outdoors and sharing unforgettable experiences with friends and family.

Wall Outlet



SAE Level 2



SAE Combo



## CHARGING

Relax by the water or get a bite to eat while you charge up.

- Level 3 charging to 80% in 20 minutes with DC fast charge
- Level 2 charging in 2 hours with 240v power outlet found at marinas
- 100% charge overnight with a household 120v power





# HASSLE FREE OWNERSHIP

Careful attention has been paid to every aspect of the design for a seamless user experience. Orca uses a closed loop cooling system that was designed for our Taiga snowmobiles, meaning no winterization is required. The auxiliary systems have been designed for extremely low quiescent currents so that the vehicle can be left unplugged up to 5 years while still periodically waking itself to check on systems. Users will no longer have to disconnect their 12V batteries for fear of draining them. Going one step further, Orca will be backed by an industry leading 5 year no-maintenance powertrain warranty and remote diagnostics anywhere they are sold.

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No Winterization

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5 Year No-maintenance  
Powertrain Warranty

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No Spending On Gas

# INTELLIGENT CONNECTIVITY

It's time for personal watercraft users to experience a display in line with automotive standards. Between Orca's handlebars lays a color integrated digital display, the first of its kind. Behind the dashboard is a powerful onboard computer offering intelligent connectivity via built in GPS mapping, LTE, Wi-Fi, and Bluetooth. Users can choose from a full suite of integrated sensors from water temperature to cameras and sonar to explore their environment to the fullest.

From the dashboard or the connected app, users can adjust vehicle parameters for their perfect ride. Connected Orca users will also benefit from continuous updates to their vehicles as the latest advancements are made available via remote updates.

7-inch Display

Built-in Mapping

Sonar Fish Finder Extensions



GPS MAPPING, LTE, WI-FI, AND BLUETOOTH



# TAILORED TO EVERY DRIVER

The Orca's exterior elements can be tailored to your preferences. Seat upholstery will be available in a variety of durable high-end fabrics and colors. Beyond a set of 10 stunning base colors, Orca's bodywork is offered in almost limitless color options with metallic and pristine gloss finishes. Deck mat textures and colors can be selected to complete the look.



Hotrod Red



Bumblebee Yellow



Sunrise Orange



Cobalt Blue



Electric Green



Ocean Teal

## BODYWORK COLORS



Fully customize your bodywork with a entire palette of automotive quality paint colors.

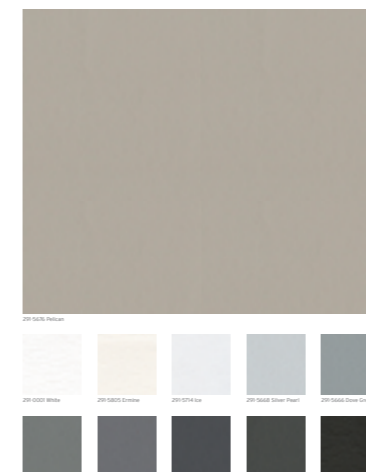


Racing Green



Cirrus Silver

## SEAT FABRICS



## DECK MATS

Ruby Red    Sunset Orange    Sunburst Yellow



Island Green +    Olive Green    Seafoam Green    Caribbean Blue    Bahama Blue +    Bimini Blue +



Aqua Camo    Beach Sand    Cream +    Camel +    Mocha +    Cappuccino +



Army Camo    Mica +    Terra +    Chocolate +    Desert Camo    White



Cool Gray +    Snow Camo    Storm Gray +    Smoke Gray +    Dark Gray +    Midnight Black +





# TECHNICAL DATA

## Exterior Design

2.90 meters (9.5 ft) long, 1.2 meters (3.9 ft) wide, 1.01 meters (3 ft) tall

Full carbon fiber construction

Suspended seat design for 2 riders with rear grab bar

Weight capacity: 181kg / 400lbs

Front storage and glove box storage

Front and rear anchor points for lifting and towing

## Performance

Ready to drive weight: 263kg / 580lbs

Top speed: 104kph / 65mph

Cruise speed: 70kph / 44mph

Range: 2 hours on typical driving conditions

Rated for fresh water and ocean use

## Drive System

Directly driven impeller jet pump

Taiga integrated PMAC drive unit delivering 134kW (180hp) up to 9,000rpm

Reactive impeller speed control for maximum efficiency and minimized noise levels

Closed loop liquid cooling system requiring no flushing or maintenance

Rated for temperatures down to -40°C/F not requiring winterization

Taiga Motors

Orca Electric PWC

## Battery and Charging

23kWh of energy, 355V nominal voltage, weight approx. 125kg

Low quiescent drain, can be left up to 5 years unplugged

5 year, 20,000km warranty

Shock and vibration isolated structure with IP68 rating for marine environments

Onboard charger compatible with automotive standard connectors and chargers

10kW level 2 charging on 240VAC and overnight level-1 charging on 110VAC

Optional DC fast charging to 80% in 20 minutes for commercial operators

## Controls and Connectivity

Configurable 7-inch center console with handlebar controls

GPS speed & built in mapping

LTE, Wi-Fi for over the air updates and upgrades

Bluetooth connectivity via phone for app settings, vehicle monitoring and music

Automatic and manual adjustable trim angle

User configurable power, acceleration and speed modes with lockout capabilities

Powerful onboard computer with extension capabilities for sonar fish finder and other sensory integration



A couple is riding a jet ski on the water, viewed from a boat's perspective. The man is driving, and the woman is sitting behind him. They are leaving a white wake behind them. In the foreground, the wooden steering wheel and part of the boat's interior are visible. The water is a light blue-grey color.

REDISCOVER WATERSPORTS

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