

## Seacraft Dive Scooter – technical data

MODEL	Future BX 750	Future BX 1000	Ghost BX 1500	Ghost BX 2000
Working time at optimal speed *	>260 min.	>350 min.	>525 min.	>700 min.
Working time at maximum speed (gear 9)*	>70 min.	>95 min.	>140 min.	>220 min.
Range*	>11,7 km	>15,7 km	>23,6 km	>31,5 km
Maximum static thrust	>340 N	>340 N	>340 N	>340 N
Dimensions in millimeters	845x360x410	845x360x410	800x360x410	800x360x410
Housing diameter	160 mm	160 mm	208 mm	208 mm
Weight with battery and fresh water ballast	15,9 kg	15,9 kg	22,9 kg	22,9 kg
Battery Li-Ion capacity	750 Wh	1000 Wh	1500 Wh	2000 Wh
Maximum speed*	>1,6 m/s	>1,6 m/s	>1,6 m/s	>1,6 m/s
Maximum depth	150 m	150 m	220 m	220 m
Tested depth	250 m	250 m	300 m	300 m

\* Applicable in terms of a diver in a twinset 2x12, in a dry suit, in fresh water. Range tested for optimal speed.



SEACRAFT  
MADE TO EXPLORE

office@seacraft.eu  
www.seacraft.eu  
facebook.com/SeacraftDPV

SEACRAFT  
MADE TO EXPLORE



Seacraft Dive Scooter

# Seacraft Dive Scooter

## 01 Motor

the first diving scooter in the world, in which the motor runs directly in the water. Specially designed and patented solution allows for complete elimination of the drive shaft and the need for unreliable seals and gear transmission used in other DPVs. The motor working in the water is much more durable and resistant to workload and also completely eliminates overheating inside the scooter. Innovative solutions enable the user to work much deeper, longer and with much greater motor power. Moreover, the motor runs almost silently, currently it's the quietest scooter on the market.

## 02 Working efficiency

all elements of the drive system – engine, propeller, propelling nozzle and post-swirl stator were precisely designed taking into account speed and load parameters divers encounter under the water. Three-phase motor, as the only one on the market, is steered with BLAC algorithm, which minimises energy consumption. Seacraft devices have exceptional work efficiency and consume even up to half the energy required for propulsion than competing devices.

## 03 Construction

the scooter's design significantly differs from previous solutions. Abandoning the use of archaic and unreliable rods, pushrods, gears or the motor closed in a dry chamber used in the return state – of – the- art drive design, lightweight materials, components and unique solutions in terms of hydrodynamics. As a result the scooter is exceptionally light and maneuverable. All the construction elements of the Seacraft DPV are high precision and almost entirely made from a special aluminum alloy, resulting in extremely low weight and, at the same time, strength and durability, even when operating in saltwater conditions. By using a special post-swirl stator the torque effect was fully eliminated. Applied technology allows to maintain a steady flow path, so that all maneuvers are much smoother and do not require effort.

The world's most modern DPV – a series of unique, patented solutions.



## 04 Display parameters

Seacraft is the only scooter in the world which allows for full, continuous and current control of all operating parameters. Equipped with a colour OLED DISPLAY enabling observation of all sustained important user data, including battery status, enabled gear, work time, power consumption, battery voltage, even temperature and humidity in the electronics chamber. The world's first scooter in its class, to have such extensive functionality and precise information about the actual operating parameters. Thus, the user can better prepare, safely plan and execute dives.

## 05 Operation

Seacraft has a two sided, comfortable handle with integrated scooter activation buttons and a multi-speed control. This innovative design allows a stable hold of the scooter both two-handed as well as either hand (one-handed steering). This decisively improves ergonomics and reduces user fatigue. The speed setting allows the user to select one of the 11-speed settings (reverse gear, 9 standard gears and accelerator), comfortably and intuitively operated by the thumb. All changes take place smoothly, without jerks. Parameters of the scooter, including the setting of maximum power, speed, some functions on the level of safety can be fully configured by the user.

## 06 Power

the Seacraft scooter uses the latest generation of lithium-ion batteries, characterized by very high capacity, high efficiency, resistance to harsh environments and fast charging times. Built-in rechargeable internal battery control system and the innovative solution – external charging socket – fitted as standard, allows the user to charge the battery without opening the scooter. Charging time of standard version of the battery does not exceed 2-3 hours. The large capacity of the applied battery and high power efficiency of the drive unit allow it to break existing usage time limits. Asymmetrical weight of cell's distribution always ensures neutral position of the scooter under the water.

## 07 Safety

precise indication of the battery level and other operating parameters, a dedicated master power switch, clear control using the buttons on the control handles and indication of the operating mode, protection against accidental activation, the possibility of charging without dismantling and electronic protection are just some of the elements that increase user safety.

## 08 Equipment

the use of modular design as well as the possibility of larger than standard batteries and the selection of other scooter parameters allows its use to be extensive, especially for special purposes (e.g. military or rescue operations). Innovative navigation console, flashlights dedicated for use with the scooter, internal or external ballast (optional) as well as a wide range of transport and mounting handles allow to fully customize the scooter to the user's needs. Additional accessories and spare parts for the scooter are listed on [www.seacraft.eu](http://www.seacraft.eu).



Legendary diver – Nuno Gomes uses Seacraft Scooter

Nuno Gomes – holder of two world records in deep diving (independently verified and approved by Guinness World Records), the cave diving record from 1996 to the present and the sea water record from 2005 to 2014.

Author of famous BEYOND BLUE "Journey into the Deep" book.