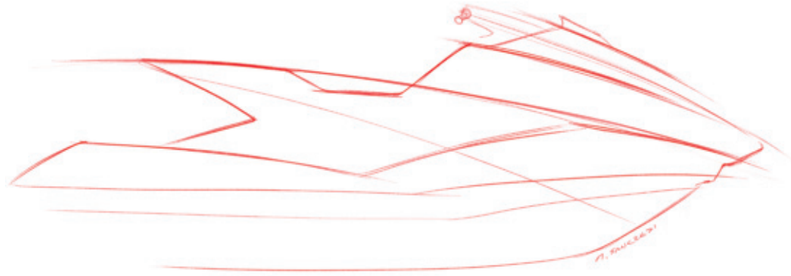
Benelli

2012

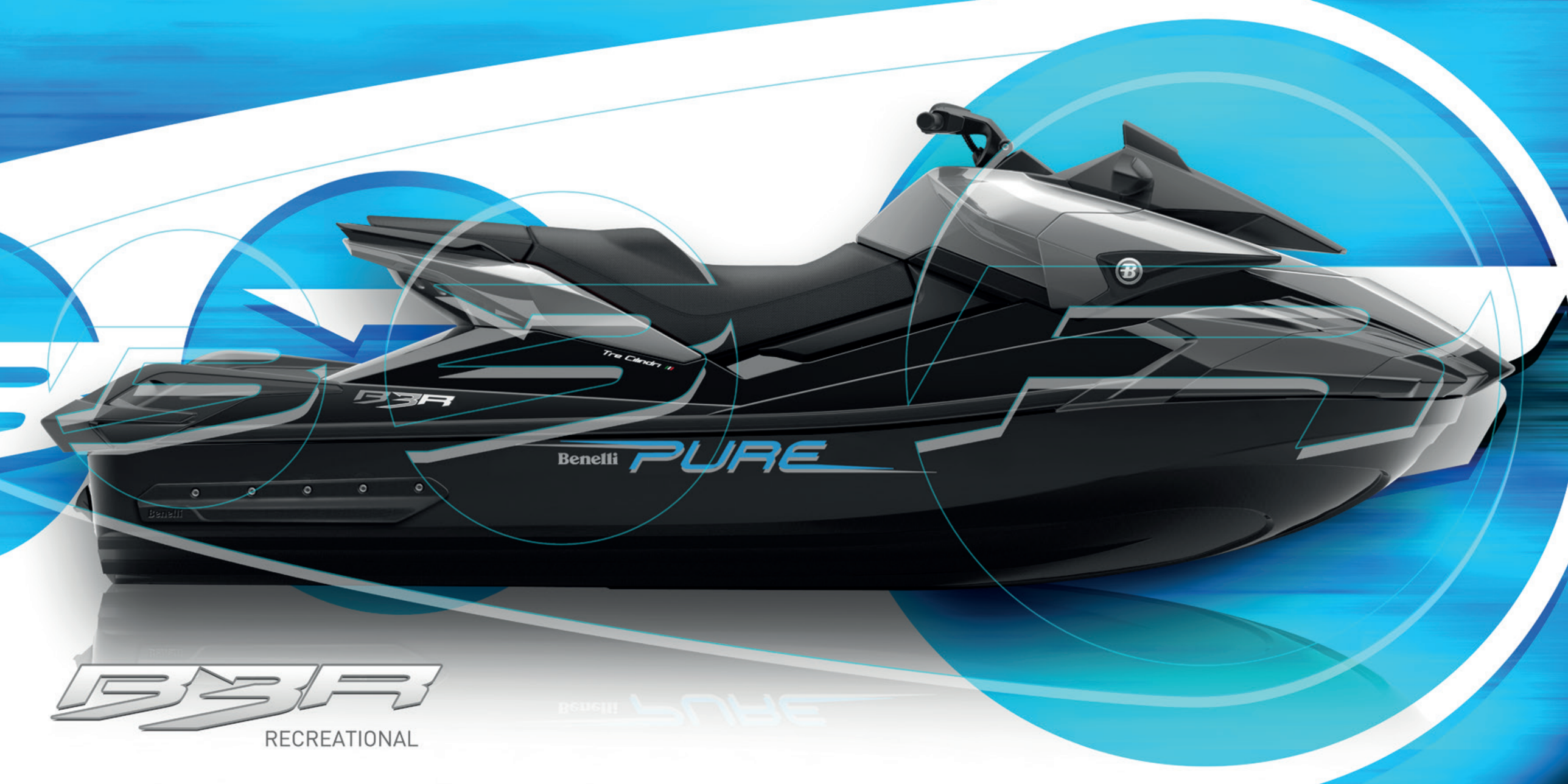
MARINE PROGRAM



Reliability, performance and Italian design make the difference.

2004 Austria. Hydrospace is born, the only European manufacturer of personal watercrafts.
From **2006** onwards, countless World Championship titles are being won until today.
Benelli Motori is acquired and Hydrospace becomes HSR-Benelli.

2009 Italy. Located in the middle of the most important motorcycle and marine area, Pesaro becomes the new home of Benelli's headquarters. Benelli's new PWCs, are the result of our passion for Italian design and our commitment to outstanding performance.
The new Benellis already dominate the dreams of the watersport enthusiasts all over the world.



BJR

RECREATIONAL

150 HP

1. Ergal handlebar.
2. Electric Reverse System **ERev™**.
3. Deck and hull in **CMHPC™**.
4. Fuel-efficient, 3 cylinder 4 stroke engine **I3C16™**.

PURE

REAL PASSION STARTS HERE

The new Benelli B3R Pure is the ideal entry level for all new jet ski riders. Like all Benelli watercrafts it is very easy to handle and offers an outstanding level of safety. The Electric Reverse System ERev™ allows you to keep your hands on the handlebar while parking your PWC. The multifunctional digital dashboard is equipped with a GPS locator that shows your current position. The I3C16™ engine is a 3 cylinder, 4 stroke engine with excellent fuel efficiency. The engineers paid special attention to marine and typical driving conditions of PWCs.

You will be infected by riding passion.

B3R

RECREATIONAL

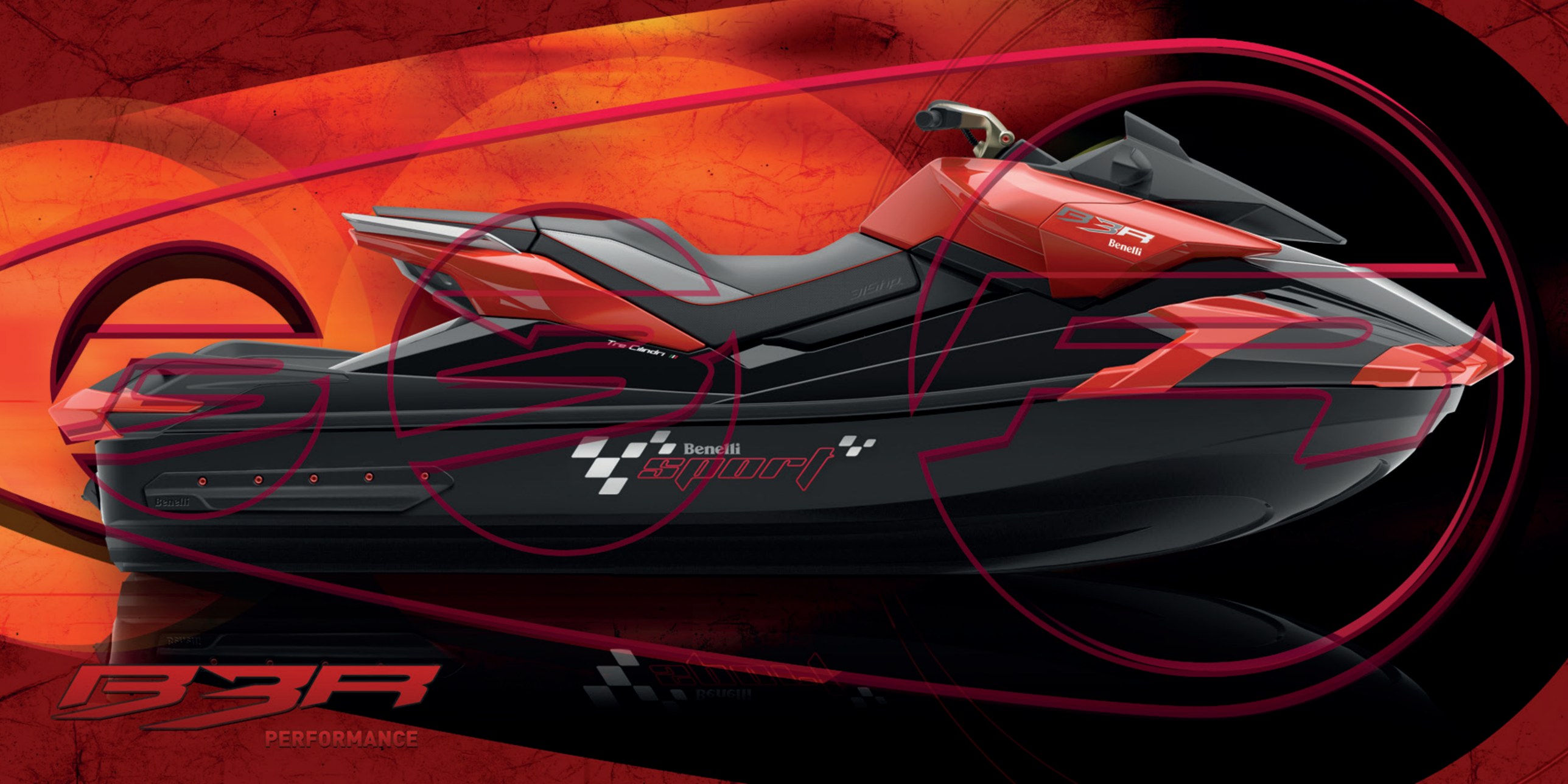
180 HP

1. LCM dashboard with GPS.
2. Off-throttle assistance.
3. Comfort seat with backrest.
4. Storage extension.

COMFORT AND POWER ON BOARD

The B3R Cruise, with 180 hp offers power and comfort on the water. With the standard comfort seat with backrest, it invites 1 to 3 persons to go on extensive cruises. The size of the water-tight front storage compartment allows the transport and storage of larger items, keeping the belongings dry. And together with the additional storage space under the rear section of the passenger seat, you can bring all your supplies for beach parties and more. The high-tech hull design in CMHPC™ makes the ride comfortable in all water conditions.

Excursions will be absolutely unforgettable.


B3R
Benelli
Tre Cilindri
Benelli
sport
B3R
PERFORMANCE

265 HP
TURBOCHARGED

1. Variable electrical trim **VETS™**.
2. Dynamic Brake System **DBS™**.
3. Turbocharged engine.
4. Cruise control.

SURFING THROUGH THE AIR

In order to enjoy a perfect ride, the driving position can be optimized thanks to the adjustable steering column. The variable electric trim system (VETS™) and the Dynamic Brake System (DBS™) form a perfect active safety device and give you even more freedom in accelerating. The cruise control integrated in the B3R Dynamic allows riders to fly thoughtless over the waves, with 1 or 2 friends on board and even towing a skier, maintaining a constant speed. Our designers and engineers perfectly conveyed the various feelings associated with water sport, enjoyment and the ergonomic requirements into a new typical Italian Moto d'acqua design, never seen before.

Typical Italian design.

315 HP
TURBOCHARGED

1. Adjustable steering with Ergal handlebar.
2. Multi color sport seat with aluminum handles.
3. Integrated front splash deflector.
4. Adjustable rear sponsons.

FAST and FURIOUS

The B3R Sport with 315 hp sets the most extreme benchmark ever and its arrival represents a new generation of musclecraft. The smooth torque delivery, tailored seat for sporty rides and groundbreaking steering precision allow outstanding agility and drivability making the ride a thrilling experience. With the I3C16™ turbocharged the most powerful 3-cylinder engine on the planet the new Benelli B3R Sport is destined to absolute performance perfection.

You just can not get enough.

B3R Sport is available in:
RED and WHITE.

DEFINITELY OUTSTANDING

The distinctive design of the Hydro Dynamic Nose allows excellent drivability and thanks to the integrated front splash deflectors, protects you against water spray.

The specially reinforced bumpers, with integrated handles, are perfectly incorporated with the precise edge design of the hull.

The exclusivity of the B3R is supported by the adjustable sponsons which enable you to personalize the turning capability of your watercraft.

The digital multifunctional dashboard with back lighted LCM screen and GPS sensor, gives you a direct control on every function of your watercraft, displaying at a single glance information like: speed (km/h, mph), rpm, fuel level, trip master and boost. Further data like riding mode, trim position, engine and environment parameters are available in the sub menu.

The adjustable steering and the ergonomic design of the sport seat give you the possibility to find the best riding position, in order to fully enjoy the performance of your PWC. The HPDC integral steering shaft and Ergal handlebar, with co-molded grips and Benelli logo, grant an optimal rigidity for your safety.

The Dynamic Brake System allows you to actively decelerate the vehicle and to stop the runabout early and safely.

The aluminum seat handles offer an extra hold to your passenger for a safe ride.

Benelli
QuattroTempi
Tre Cilindri
B35
EXTREME
B35

135 HP

1. Aluminum handlepole.
2. Soft sponge pad.
3. Deck and hull in CMHPC™.
4. Integrated 360° bumpers.

MAKES YOUR BLOOD RUSH

With more than 130 brake horse power of the naturally aspirated engine, the B3S is the only 4 stroke stand-up in the world! The swirl pot fuel pump delivers fuel to the injectors at all times, ensuring constant power delivery even under the most extreme driving conditions.
Perfect for very tight curves thanks also to the integrated front sponsons and protected against any mooring scratches by the specially designed 360° integrated bumpers.

Easy to ride.

180 HP

1. Ergal handlebar.
2. Integrated front sponsons.
3. High-performance engine I3C16™.
4. Easy release fuel cup.

BEYOND ALL LIMITS

The new hull design has been accurately studied and tested by the best riders in the world. Become one of them with this star among the stand ups and benefit from 180 brake horsepower coming from an outstandingly efficient engine.

The cavitation-optimized jet pump position provides high speed stability and allows you to drive close to your limits. Acceleration from 0 to V_{max} beyond your expectations. No matter if in red, black or simply white, you will be simply unbeatable.

Xtreme in all parts.

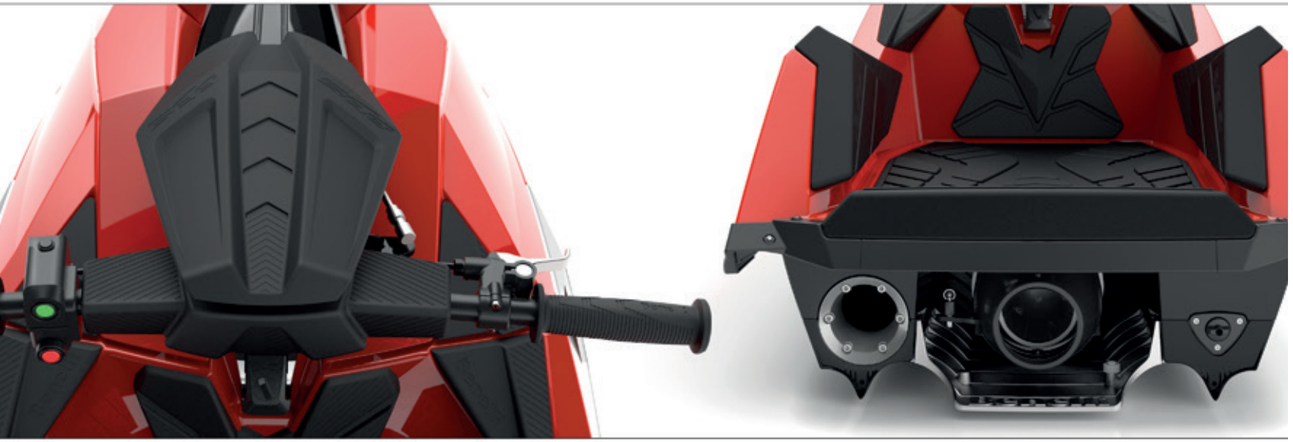
B3S Extreme is available in:
RED, BLACK and WHITE.

THE PERFECT COMBINATION OF STRENGTH AND AGILITY

The length of the lightweight aluminum handlepole and the width of the large standing mat area offer freedom of movement and optimal stability, fulfilling every ergonomic requirements.

The high-tech hull in Compression Molded High-Performance Composites CMHPC™ is designed to achieve extreme agility and breaking strength at the same time.

The integrated front sponsons offer an excellent corner ability and stability. In addition, the 360° bumpers have been perfectly incorporated in the special hydrodynamic hull shape.



The Ergal handlebar, with co-molded grips and large soft sponge pad, is designed for your safety and comfort, under all driving conditions.

The specially re-enforced aluminum riding plate and the sharp contoured hull tail enable tight cornering and a safe ride.

The easily accessible service area ensures a trouble-free and rapid check of the engine's conditions, giving you direct access to the oil filter, oil filler cap with integrated dipstick, e-box and sparkplugs.

The easy release fuel cap allows fast refilling to get back on your B3S quickly. Fuelling time becomes short like a pit stop.

I3C16™ DESIGNED FOR THE WATER

For stand up and runabouts, normally aspirated and turbocharged

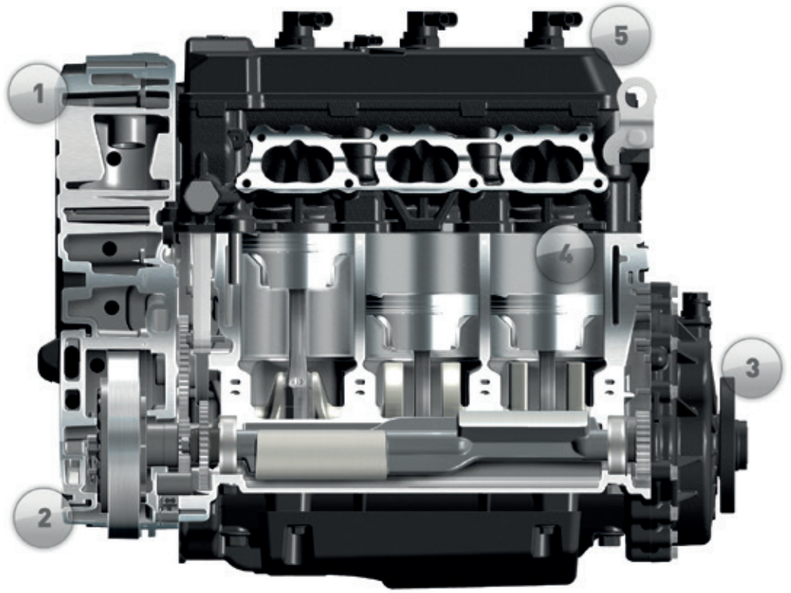
TECHNICAL SPECIFICATIONS	
Engine Type	Marine 3 cylinder – 4 stroke
Engine Family	I3C16™
Displacement (cc)	1602
Bore x stroke (mm)	100 x 68
Brake horse power range (hp)	from 135 to 315 / rated output at 95 (RON)
Aspiration type	Normally aspirated: stand ups and runabouts with up to 180 hp Turbocharged with intercooler: runabout models with more than 180 hp
Mixture control	E-Gas
Compression ratio	11.5:1 (NA) and 9.1:1 (Turbo)
Cylinder liners	NSC coated
Crankcase / cylinder head	Aluminum casting – Surface EPD (electrophoretic deposition) coated
Valve train	DOHC 4 valve
Lubrication system	Full dry sump oil system
Oil capacity (lt)	4.5
Cooling system	B3R: Closed loop with innovative heat exchanger integrated in the jet pump (patent procedure in progress). B3S: open loop cooling system.
Fuel type	Unleaded octane number 95 (RON) - 91 (RON)
Engine Management	SMPI-K™ (Sequential Multi-Point Injection Knock sensor)

THE NEW Benelli ENGINE

I3C16™ in line 3 cylinder – 4 stroke – one thousand six hundred cc.

The new Benelli I3C16™ engine family has been developed especially for personal watercrafts. Regardless of the engine inclination, the **DRY SUMP SYSTEM** ensures sufficient oil pressure to all important internal parts of the engine. In view of the overall engine performance, **forged pistons, con rods and crankshaft** were selected. **THE NEW SMPI-K™** with active knock control allows safe engine operation even with the lower octane fuel 91 (RON).

1. Oil module with integrated oil tank, heat exchanger, oil filter and dipstick
2. Alternator
3. Power take-off
4. Cylinders with NSC coating
5. EPD coating



THE NEW BENCHMARK FOR MARINE APPLICATION

Benelli I3C16™ High performance and easy maintenance are the key features of the very compact, silent and modular engine. **The state-of-the-art EPD coating** protects the I3C16™ against corrosive effects of the sea-water.

Benelli PRODUCT RANGE

Standard ●
Optional ○

B3S Dynamic
135 HP

B3S Extreme
180 HP

B3R Pure
150 HP

B3R Cruise
180 HP

B3R Dynamic
265 HP Turbocharged

B3R Sport
315 HP Turbocharged

HULL + DECK SPECIFICATIONS						
Rider Capacity	1 person	1 person	1-3 persons	1-3 persons	1-3 persons	1-3 persons
Length	2.45 m / 96.46 in	2.45 m / 96.46 in	3.50 m / 137.49 in	3.50 m / 137.49 in	3.50 m / 137.49 in	3.50 m / 137.49 in
Width	0.73 m / 28.74 in	0.73 m / 28.74 in	1.20 m / 47.24 in	1.20 m / 47.24 in	1.20 m / 47.24 in	1.20 m / 47.24 in
Height	0.67 m / 26.38 in	0.67 m / 26.38 in	1.15 m / 45.28 in	1.15 m / 45.28 in	1.15 m / 45.28 in	1.15 m / 45.28 in
Weight (dry)	199 kg	199 kg	380 kg	380 kg	380 kg	380 kg
Fuel Capacity (litres / US gallons)	17 l / 4.5 gal	17 l / 4.5 gal	70 l / 18.5 gal	70 l / 18.5 gal	70 l / 18.5 gal	70 l / 18.5 gal
Storage Capacity			85 l / 22.5 gal	100 l / 26.43 gal	100 l / 26.43 gal	85 l / 22.5 gal
Compression molded high-performance composites CMHPC™	●	●	●	●	●	●
SAFETY FEATURE						
Off throttle assistance			●	●	●	●
Dynamic Brake System DBS™					●	●
COMFORT						
Comfort Seat with Storage Extension				●	●	
Dashboard with GPS			●	●	●	●
Removable watertight storage			○	○	●	●
Cruise control			○	○	●	●
Mode selections			●	●	●	●
Rental mode			○	○	○	
Electric Reverse System ERev™			●	●	●	●
Adjustable steering					●	●
PERFORMANCE						
Ergal handlebar	●	●	●	●	●	●
Adjustable rear sponsons			●	●	●	●
Sport seat						●
Sport mode					●	●
Variable Electric Trim System VETS™					●	●
WATERSPORT						
Water ski tow eye			●	●	●	●
Water ski mode			○	●	●	●
Ladder			○	○	○	○

Design Made in Italy

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