



FORMULA



Sportboat

1993

Clearly, the best designed, the best engineered powerboats on the water today are distinguished by the gleaming Formula emblem. In every sleek line, in each fine-tuned detail, a Formula lives up to its promise of premier quality. And as a Formula owner, you experience an entirely new level of appreciation in the exhilarating sensation of skimming freely over the waves. The smooth, solid ride and quick, responsive handling confirm over and over that Formula boating is the very best that money can buy. Wherever you venture, Formula's pledge of absolute quality gives you the assurance of complete satisfaction and enjoyment.

Since its beginning in 1956, Thunderbird has earned its position of strength in the production of fiberglass powerboats and is recognized now as the quality and styling leader of the nineties. In the mid-seventies, Victor B. Porter became sole owner of Thunderbird, after having led the company as president for several years. Today, the Porter family, including four sons and a daughter who have literally grown up in the business, are directly involved in every area of company operations. Increasingly, their major focus has centered on total product value, measured by standards of the highest quality.

This concentration on excellence results in remarkable owner satisfaction for you. As experienced, lifelong boaters, both offshore and inland, the Porters make sure that your Formula is everything you expect, and more.

The state-of-the-art Formula manufacturing facility, located in the Midwest, has proven to be the ideal setting for every phase of design, development and production. There, continuous refinements by Thunderbird engineering and advancing technology provide real opportunities for innovative improvements. The skill and dedication of each individual employee perfectly complements the top quality materials and exacting techniques employed in Formula production. With this strong commitment to excellence throughout the organization, Formula emerges over all as the finest powerboat for 1993.

The genuine substance and enduring value built into every Formula ensure that your priceless time is well spent in truly care-free adventures on the water.

Discover just how good your boating can be in a new **1993 FORMULA**



Sportboat

Formula introduces a new Sportboat series for 1993 including exciting Bowrider, Sun Sport and LS models. Each is designed by John Adams and engineered for dependable, care-free enjoyment. The gleaming exterior finish and tinted, tempered, curved glass windshield are key elements in the flowing, aerodynamic design lines. Produced with CAD/CAM precision, all components and features are chosen for sound function and lasting value.

Formula Sportboats reflect their performance heritage in looks, superior engineering and especially in the exciting deep-V ride. The helm includes a specially designed bucket seat, tilt steering wheel, VDO Logic instrumentation and a safety ignition stop switch with tether. The engine compartment hatch is motorized, and all Performance Formula safety features are included.

Each Sportboat is designed with a continuous fiberglass deck and cockpit liner for a smooth, seamless appearance and easy maintenance. Cockpit seating is beautifully detailed and remarkably comfortable. An ingenious U-shaped lounge featured in the 252 Bowrider and 252 Sun Sport forms a generous sunpad when the table is lowered and the filler cushion is positioned. On each Sportboat, all removable items have a special storage place, and a built-in trash receptacle ends loose clutter. Every Sportboat has a Sunbrella convertible top neatly concealed in a special compartment aft. The swim ladder stores out of sight in the swim platform, and a refreshing transom shower is available for each model.

The 271 SR-1, named Full-Sized Boat of the Year by *Powerboat* magazine, combines quick maneuverability and easy handling with solid deep-V offshore performance. Optional bolster seats adjust to the exact desired position at the touch of a button, and Kiekhaefer shifter and throttle controls complete the best in performance command equipment.

The Sportboat Imron graphic is standard and two other Imron designs are available in several color combinations. The 271 SR-1 Imron choices include the Performance graphic plus four additional designs in a variety of tricolor combinations. So, with graphic selections you create your own unique personalized Formula.

Actually, each Formula Sportboat is a personal statement... a definite assertion of high standards set and attained. If you have been waiting for just the right boat, it's here and now in a quality Formula Sportboat with the power to open up a new world of boating enjoyment for you and your family.



Contents

Discover the Formula Difference	2 - 5
Formula 232 Bowrider	6 - 7
Formula 252 Series	8 - 13
Formula 271 SR-1	14 - 15
Product and company information	16 - 17

Discover the FORMULA DIFFERENCE

A number of positive features contribute to the Formula difference. From the full-fledged design and development program which constantly tests, refines and improves, to utilizing only the finest in materials and components, a Formula is truly in a class by itself. With conscientious employees who believe in doing it right every time, consistency and quality are guaranteed as a Formula progresses to completion. This focus on excellence at every level of development and production results in the most extraordinary, dependable powerboat money can buy. In fact, a Formula is so different in so many ways, we would like to tell you and show you in detail.



Performance

Formula excels in thrilling, fine-tuned performance. Before any Formula is offered to boaters, the quality of performance must be:

- **smooth, solid and dry**
- **quick and exhilarating**
- **highly responsive**

The deep-V hull is uniquely solid and quiet due to structural closed-cell foam injected throughout hull cavities.

Silent Thunder® is Formula's exclusive patented muffling system available on Sportboat and Performance models which ensures an eight to twelve decibel decrease in thru-hull exhaust noise. Designed and perfected by Thunderbird's own engineering team, this highly effective system is integrated in the swim platform, taking up no space in the engine compartment. There is virtually no loss of power, so top speeds are not diminished. Formula's Silent Thunder® sound emissions are well within regulations, allowing you to freely enjoy performance boating.

Each Formula is a great performer, a major difference appreciated again and again.



Design and Engineering

Formula's sleek, head-turning style is recognized at a glance. Every Formula is an accomplished blend of:

- **trend-setting advancements by exclusive designer John Adams**
- **CAD/CAM technology**

Utilizing computer-aided design, Adams' drawings are transferred to the CAD/CAM system. The hull and deck lines are relayed to the Computer-Numerically-Controlled (C-N-C) router which cuts and shapes each framework station of the new model. Electrical systems and other components are positioned in the boat on-screen. Instantly available, the specifications, drawings and diagrams are used in production and product and process engineering. This consistent accuracy ensures excellent quality control throughout.

Product Development

All prototypes begin with John Adams' original design specifications which are used to construct a full-scale wooden model, or "plug." This plug serves as the master from which production molds are formed. Plug construction requires:

- **many weeks of hand labor**
- **precise shaping to exact dimensions**
- **substantial investment of labor and materials**

The original condition and ongoing care of the resulting production mold is essential to a Formula's flawless hallmark finish.

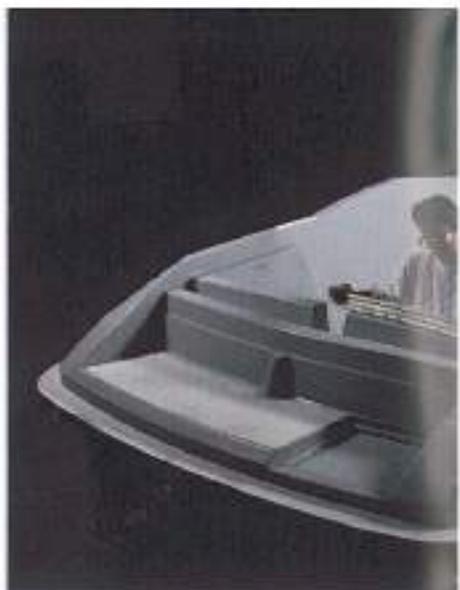
Meanwhile, seating and other cabin and cockpit features are constructed in a full-scale mock-up and carefully adjusted for correct ergonomics.

The exacting prototype process which results in a sleek new Formula ultimately increases value for all Formula owners now, and in the future.

Componentry Testing

Every newly proposed component or construction material is subjected to rigorous testing in Formula's Research and Development Test Lab. Here trained technicians:

- **determine component quality**
- **set high standards for endurance under adverse conditions**
- **recommend or reject the proposed component or materials**



While this degree of testing is rare in boat manufacturing, it is a vital ingredient in overall Formula quality.

Lamination

Exacting lamination techniques paired with state-of-the-art equipment and materials create the solid foundation of Formula's gleaming surface. This deep, flawless finish is the result of the most advanced gelcoats, resins and fiberglass available, applied by skilled technicians in a carefully maintained mold.

- **Vital ingredients in Formula's finish are:**
- **initial testing and control of delivered materials**
- **conscientious mold maintenance**
- **exact ratios of hand-laid fiberglass and resin**

Each gelcoat and resin shipment is tested in Formula's lab before being approved for use. Formula frequently tests laminated samples



with concentrated levels of salt water and UV rays and tests for heat distortion, blistering and delamination. Also, impact and deflection tests measure gelcoat craze resistance. Passing these extremes ensures that normal conditions will not adversely affect the part.

The beautiful, reflective exterior of a Formula is gelcoat, a combination of polyester resin and pigment that is first sprayed into the carefully prepared mold. Conscientious mold maintenance and experienced mold preparation are critical at this stage. No amount of mechanical waxing or buffing could generate



the extraordinary finish which is the Formula trademark. The entire Formula lamination process requires at least three days in the mold, while many manufacturers over-catalyze and rush through the various stages to turn a mold every one-half to one day. According to each boat's lamination schedule, layers of various pattern-cut fiberglass mat and Coremat® are hand-laid into the mold with the proper mixture of resin and catalyst. Each layer is hand-rolled and squeegeed to distribute the resin thoroughly and evenly, eliminating air pockets in the lamination. After each step, a Barcol Meter reading indicates when the cure is sufficient to continue.

AME 4000®, a modified epoxy resin produced by Ashland Chemical, is used in the first two layers of fiberglass in each Formula. With unprecedented resistance to distortion caused by temperature extremes, AME 4000® protects and preserves the gelcoat finish. Although twice the cost of general purpose resins commonly used by other manufacturers, its exceptional strength and resiliency more than justify the expenditure.

Formula is today's leader in lamination technology, specifying the highest quality materials and exacting procedures necessary for an enduring, flawless finish.

Structural Strength

Exceptional structural integrity is achieved through a custom-engineered reinforcing system. This highly effective system utilizes:

- a specialized matrix of stringers actually suspended in the hull
- thru-bolted structural aluminum engine mounts
- polyurethane foam in all hull cavities

First, the unique suspension of the stringer system prevents any contact distortion that commonly occurs with conventional stringer installation. Constructed of the highest-grade plywood, the stringers are first encapsulated in resin, then secured with fiberglass fabric and additional resin to create a structural bond and effective moisture barrier.

Formula also achieves its exceptionally solid, quiet ride through the injection of polyurethane foam into all hull cavities, virtually eliminating noise transfer of waves against the hull. For absolute strength, engines are first thru-bolted to structural aluminum mounts which are then thru-bolted to the engine compartment stringers. Skillfully applied techniques result in remarkable consistency of structural strength and hull integrity, an important difference vital to carefree Formula boating.

Together, these components create a virtually indestructible, waterproof system which provides optimal lumbar and leg support. The special foam shapes also angle the leading edge of the seat for remarkable comfort.

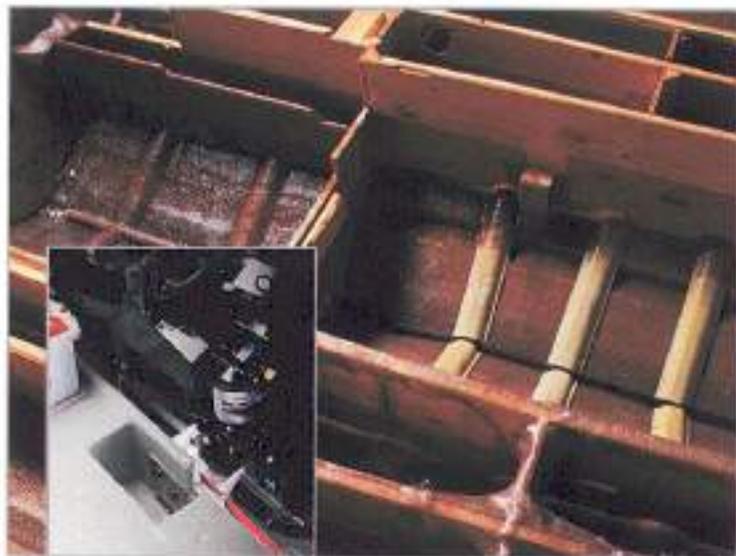
The tough, durable cockpit upholstery is transportation-grade weight, color-permeated in shades that exactly match Formula Imron® colors and is specially coated by the manufacturer to resist staining. Formula's custom white vinyl remains cool to the touch, even in direct sunlight. Formula seating systems make an appreciable difference, far superior both in looks and in comfort.



Superior Seating

Formula seating is unsurpassed in its handsome appearance and finely detailed construction. In-house design and engineering enables Formula to concentrate on the all-important human factor, utilizing:

- rotocast and fiberglass forms in specified seating areas
- separate preshaped foam components
- highest quality foam-backed vinyl



Electrical Systems

The meticulous execution of Formula electrical circuitry is a cleverly hidden secret. The entire concealed electrical system is:

- **individually crimped and sealed at each connection**
- **neatly routed to systems**
- **secured to endure boating stress**

Formula electrical systems also meet or exceed all NMMA certification requirements.

Formula wiring connections are secured with an individual crimp at each connector, and the superior tinned copper ring connectors cannot vibrate loose like commonly used spade connectors. The resulting positive connection is then sealed and insulated with Raychem Thermoft® MVT shrink tubing which has an inner wall of hot-melt adhesive that forms a permanent seal against moisture.

As an added safety feature, specialized E-T-A® circuit breakers can be tripped either automatically or manually and will also serve as shut-off switches in the event of an emergency. In addition, color-coded dash wires at the helm are trimmed to specific lengths and neatly routed to each gauge.

Every Formula wiring harness is custom designed, constructed with individually color-coded wires for ease of identification and is protected in flexible conduit. Rather than using the industry norm of #14 gauge wire, a heavier gauge wire is used in many instances. This specialized design means longer life in all motorized componentry. Major segments of harnesses are joined with transparent, multiple pin quick disconnects, producing a weatherproof connection. Formula also tie-wraps and tapes each harness junction, further ensuring a trouble-free connection.

With a non-conductive, corrosion resistant finish, the Gil high performance marine bat-

tery box is the most secure means of battery containment available today. The "open trap" design ensures that dangerous gases cannot build up from a defective battery, and the accumulation of corrosive fumes and excess humidity is impossible.

No other marine wiring methods afford the safety considerations and dependability of Formula's. While some boats may offer one or two electrical extras, all these extensive, value-added features can be found only in a Formula.

Helm Systems

Confident command is the leading difference at a Formula helm. Here you will find:

- **correct ergonomics**
- **advanced componentry**
- **ease of control**
- **accurate systems monitoring**

The angled, one-piece fiberglass dash unit is designed for ideal flush-mounting of VDO Logic instrumentation, and all control switches and circuit breakers are readily accessible to the driver. The instrument panel face is attached with metal-sheathed, recessed nutserts, and the head slots are all positioned identically. Fasteners in this application cannot back out, strip or vibrate loose, while the dash panel can be removed without stripping the attaching channel holes.

The Quicksilver shifter and throttle control gives optimum performance command. At a Formula helm there is no searching for obscured vital information or fumbling for elusive switches. Formula design places it all in your line of vision or at your fingertips for an informed, assured command.

Assembly Methods

Disciplined consistency in each procedure avoids any lapse in quality during assembly. Exacting chemical and mechanical technologies ensure a

finished product that is absolutely the best in every detail. Important factors include:

- **superior materials**
- **state-of-the-art assembly methods**
- **advanced technologies**

The deck and cockpit, molded in one continuous piece for strength and ease of maintenance, is permanently joined to the hull with Arogrip®, a remarkable bonding agent from Ashland

Chemical. The resulting chemical bond is more effective than any laminated joining, uniting the two parts into a single integral unit. In an additional step, 1/4-inch stainless steel truss head through-bolts and load-distributing backing plates are also installed along the joined deck and hull at 18-inch intervals. The combined chemical/mechanical fastening results in an overall unitized structure.

Further exacting assembly methods and

superior materials include smooth fiberglass inner-liners in storage areas and stainless bolts and backing plates that reinforce cleats and other hardware. Also, flexible O-rings are placed in countersunk holes to mold around the bolt for a water-tight seal. While commonly used screw assemblies and silicone seals often work loose with wear and vibration, the Formula system remains highly effective and can be adjusted without compromising the seal. All rails are heavy-wall 316L welded stainless steel, the highest marine-grade stainless available.

The consistent quality of a Formula relies on these advanced materials and technologies used in the Formula assembly process.

In-Water Testing

Comprehensive in-water testing guarantees systems readiness in every Formula. In today's world of boat building, it is highly unusual for every unit to be submitted to thorough, individual testing, but Thunderbird makes sure that every Formula is placed in one of four test tanks for an extensive systems check. Following a checklist applying specifically to that model, trained technicians:

- **bring engines to temperature**
- **check oil pressure, voltage, timing and shift linkage**
- **test the engines while in gear**

A complete, hands-on evaluation of instrumentation, electrical and water systems and all other accessory functions is performed and adjustments made as necessary. Throughout the entire testing procedure, a continuous spray of water on the deck confirms an overall watertight seal.

Employee Involvement

Valuable employee input and communication at all stages of production advance Formula quality. All Formula employees are invited to serve on one of several Employee Involvement Teams (EIT) representing all areas of production. During team meetings, EIT members:

- **work together on ideas and suggestions offered by employees**
- **examine and discuss opportunities for improvement**
- **increase quality for the customer**

Actual solutions are worked out and implemented by the Employee Involvement Teams.

Represented by a broad cross section of employees, this shared commitment results in the highest level of owner satisfaction.

Imron® Graphics

Premium Imron® colors are a standard accent feature on every Formula. Imron® graphics retain their original brilliance and eliminate all striping tape which inevitably fades and peels. Remarkably durable, Imron® has a high gloss-retention rate and is not subject to fading or chalking, as with gelcoat. Dupont Imron® is a premium polyurethane enamel, performance-proven by years of use on truck fleets and aircraft. Matching Formula vinyls, Imron®:





- is available in specially designed graphics
- offers a wide range of colors
- makes a personal statement

The application of Formula Imron® is an exacting, multi-step process. Surface preparation involves the precise hand marking and masking of each specific design detail. To ensure an excellent bond, the surface is also prepared with a fine-grit pad. The boat is then moved into a dust-free, controlled environment where each color is sprayed in sequence.

Formula's exclusive Imron® graphics are instantly recognized and admired as a bold, striking difference.



Quality Assurance

Formula's Quality Assurance Program is the final step in earning the Thunderbird symbol of excellence. In the QAP inspection:

- cockpit instrumentation is retested
- engine room wires and hoses are checked for security
- cabin features and appointments are approved

The most critical phase of QAP inspection

involves two individuals—one from Formula management and one from production—inspecting the boat, putting themselves in the role of prospective owner. Every detail is examined under the "magnifying lens" of the consumer's viewpoint. QAP inspection ensures the ultimate in finished product as it reinforces each Formula employee's commitment to excellence. Only then does a Formula display the marquee of

unmatched quality—the gleaming Formula name and Thunderbird emblem.

Delivery

Protecting each Formula's quality during delivery is the final important step in production. Every Formula is:

- securely shrink-wrapped in heavy-gauge white plastic
- carefully loaded on a company truck

This durable, protective wrap ensures that a Formula reaches its destination in the same excellent condition as when it was approved for release by the Formula team of employees. Experienced Formula fleet drivers deliver to dealerships and ports of call for transport all across the world, and the boats arrive clean, pretested and ready for ownership.

Owner Satisfaction

Complete owner satisfaction is the definite goal at Formula. Each of our professional dealerships strives to deliver prompt service. Many are qualified through the Formula Reliability Center Program, meeting high standards for product knowledge, mechanical proficiency and continuing education. Formula Reliability Center personnel are to be certified by the National Marine Manufacturers Association in areas of electrical, fuel and ventilation systems, and navigational lighting. These qualified dealers also stock a recommended inventory of parts to keep Formula owners boating. In addition, each dealer is assigned a company technical assistance representative who is ready with answers to service questions.

The Formula Owner Assurance System, dedicated to complete satisfaction, is in effect from the time of your purchase and includes:

- a 34-point checklist
- two owner surveys
- 20-hour check of your boat

A dealership representative will first complete the 34-point checklist covering all features and systems of your new Formula, and will review the checklist with you while explaining systems, warranty and service procedures.

After delivery, the Formula Owner Assurance System continues to promote your satisfaction. Two surveys offer you the opportunity to share comments and suggestions regarding your Formula and dealership representation. A 20-hour check fine-tunes all Formula systems after a break-in period.

Along with these extensive service programs, a three-year structural hull warranty is provided with each new Formula. Thunderbird is a charter member of the National Marine Manufacturers Association, and all Formulas meet or exceed Association certification requirements. This certification demonstrates a definite commitment to continuing product integrity and owner safety.

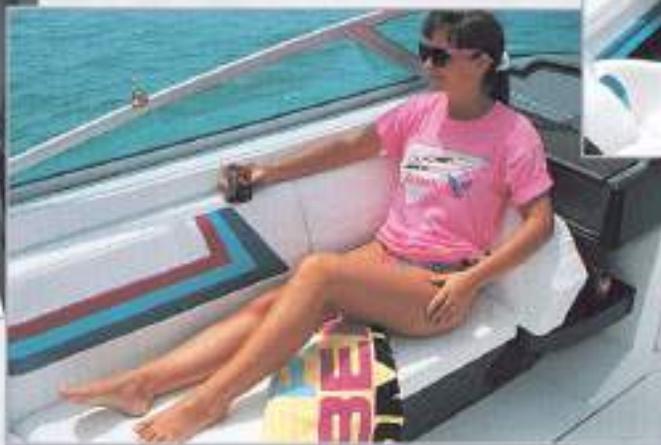


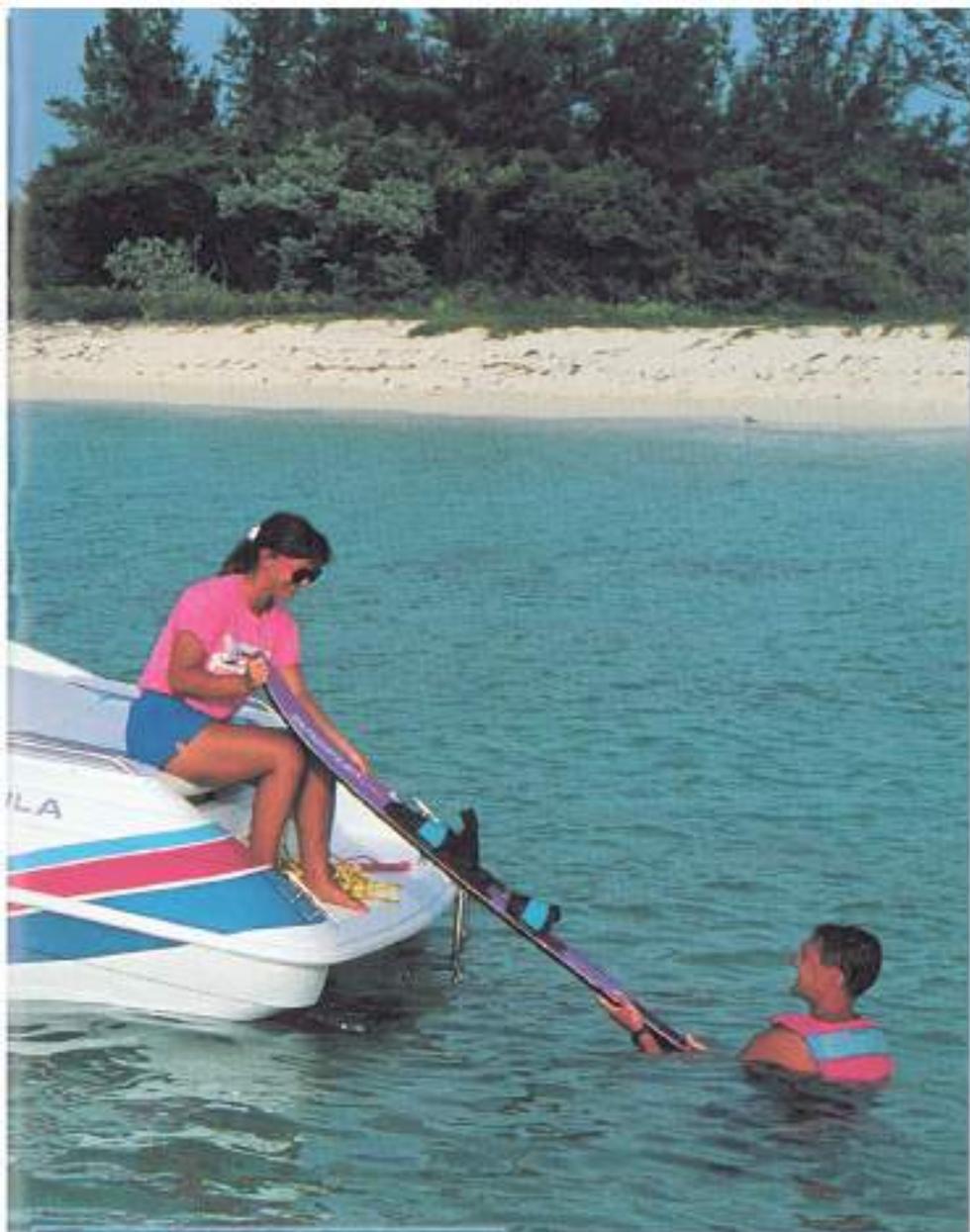
A heritage of proven performance, superb execution of design and uncompromising standards of quality make a substantial difference, positioning Formula as today's premier powerboat. Discover the Formula difference yourself, and experience the feeling of satisfaction appreciated by Formula owners worldwide.

F.232
Bowrider



White B Imron® with Palm Beach Accent





STANDARD EQUIPMENT

Formula Exterior

- NMMA Certification • Certified foam flotation • Standard Imron Graphic • Bonded and thru-bolted deck and hull • Tinted tempered curved glass windshield • Anchor locker w/ fender storage and fenders (2) • Stainless steel hardware and 316L stainless welded rails • Integrated swim platform • Concealed swim ladder • Stainless ski tow eye

Formula Cockpit

- One-piece fiberglass cockpit liner • Custom designed component seating • Helm bucket seat • L-shaped lounge seating • Under lounge storage • Bow seating w/ filler cushion • Walk-thru door • Integrated drink holders • Stowable Igloo cooler • Under-floor ski storage • Integral 316L stainless safety rails • Tilt steering wheel • Complete VDO Logic instrumentation • Ritchie compass • Quicksilver shift/throttle control • Safety ignition stop switch with tether • Auxiliary 12V outlet • Accessory rocker switches w/E-T-A circuit breakers • Concealed marine horn • Port trash receptacle • Kenwood KRC-2004 AM/FM auto reverse cassette w/marine-grade speakers • Sunbrella convertible top • Cockpit courtesy lighting • Fire extinguisher

Formula Engine Room

- Motorized hatch lift • Engine room courtesy lighting • Engine room fume detector • Halon 1301 automatic extinguisher • Thru-bolted engine mounts • Remote oil filter • MerCathode anti-electrolysis system • Alternator noise filter • Deep cycle battery and Gil battery retainer • Bilge blowers • Rule automatic bilge pump • Stainless steel Mirage prop • Thru-hub exhaust (350, 7.4 l) • Silent Thunder® exhaust (454)

AVAILABLE EQUIPMENT

- Formula Imron design • Formula Imron design in Palm Beach, Malibu or Aruba colors • Bow docking lights • Lowrance 3400 electronic depth sounder • Kenwood KRC-430 AM/FM auto-reverse cassette w/ electronic locking system and marine-grade speakers • Kenwood KDC 77R AM/FM Single CD player • VHF radio w/ antenna • Silent Thunder® exhaust (350, 7.4 l) • Extra deep cycle battery and switch • 14-gallon demand water system w/ transom shower • Hydraulic boat levelers • Cockpit table • Cockpit carpet • Cockpit side and aft curtains • Sunbrella bow tonneau cover • Sunbrella cockpit cover • Sunbrella storage cover



F-232 BOWRIDER

Centerline Length	23'2"	7.06 m
Maximum Beam	8'6"	2.60 m
Approximate Weight	4300 lbs	1935 kg
Fuel Capacity	61 gal	231.8 l
Maximum Capacity	1800 lbs	816 kg
Bridge Clearance	4'8"	1.40 m
Draft	32"	.81 m
Deadrise	20°	

STANDARD EQUIPMENT

Formula Exterior

- NMMA Certification • Certified foam flotation • Standard Imron Graphic • Bonded and thru-bolted deck and hull • Tinted tempered curved glass windshield • Anchor locker w/ fender storage and fenders (2) • Stainless steel hardware and 316L stainless welded rails • Integrated swim platform • Concealed swim ladder • Stainless ski tow eye

Formula Cockpit

- One-piece fiberglass cockpit liner • Custom designed component seating • Twin bucket seats • U-shaped lounge seating • Bow seating w/ filler cushion • Walk-thru door • Integrated drink holders • 14-gallon water tank • Stowable igloo cooler • Under-floor ski storage • Under lounge storage • Integral 316L stainless safety rails • Tilt steering wheel • Complete VDO Logic instrumentation • Ritchie compass • Quicksilver shift/throttle control • Safety ignition stop switch with tether • Auxiliary 12V outlet • Accessory rocker switches w/ E-T-A circuit breakers • Concealed marine horn • Port trash receptacle • Kenwood KRC-2004 AM/FM auto reverse cassette w/marine-grade speakers • Sunbrella convertible top • Cockpit courtesy lighting • Fire extinguisher

Formula Head Compartment

- One-piece fiberglass liner • Latching door • Portable head unit • Stainless sink • Molded-in storage tray

Formula Engine Room

- Motorized hatch lift • Engine room courtesy lighting • Engine room fume detector • Halon 1301 automatic extinguisher • Thru-bolted engine mounts • Remote oil filter • MerCathode anti-electrolysis system • Alternator noise filter • Deep cycle battery and Gil battery retainer • Bilge blowers • Rule automatic bilge pump • Stainless steel Mirage prop • Thru-hub exhaust (350, 7.4 l) • Silent Thunder® exhaust (454, 502)

AVAILABLE EQUIPMENT

- Formula Imron design • Formula Imron design in Palm Beach, Malibu or Aruba colors • Bow docking lights • Lowrance 3400 electronic depth sounder • Kenwood KRC-430 AM/FM auto reverse cassette w/electronic locking system and marine-grade speakers • Kenwood KDC 77R AM/FM single CD player • VHF radio w/ antenna • Silent Thunder® exhaust (350, 7.4 l) • Extra deep cycle battery and switch • Demand water system w/ transom shower • Hydraulic boat levelers • Head unit w/ dockside pump-out • Head unit w/Y-valve for macerator discharge or dockside pump-out • Cockpit table w/ filler cushion • Cockpit carpet • Cockpit side and aft curtains • Sunbrella bow tonneau cover • Sunbrella cockpit cover • Sunbrella storage cover



F-252 BOWRIDER

Centerline Length	25'2"	7.65 m
Maximum Beam	8'6"	2.60 m
Approximate Weight	4525 lbs	2052 kg
Fuel Capacity	88 gal	333 l
Maximum Capacity	1800 lbs	816 kg
Water Capacity	14 gal	53 l
Bridge Clearance	4'10"	1.48 m
Draft	32"	.81 m
Deadrise	22°	

F.252 *Bowrider*



White Amron® with Aruba Accent



F.252 Sun Sport



White Standard Imron® with Ocean Accent





STANDARD EQUIPMENT

Formula Exterior

- NMMA Certification • Certified foam flotation • Standard Imron Graphic • Bonded and thru-bolted deck and hull • Tinted tempered curved glass windshield • Anchor locker • Stainless steel hardware and 316L stainless welded rails • Two cabin venting hatches • Integrated swim platform • Concealed swim ladder • Stainless ski tow eye

Formula Cockpit

- One-piece fiberglass cockpit liner • Custom designed component seating • Twin bucket seats • U-shaped lounge seating • Under lounge storage • Integrated drink holders • 12-gallon water tank • Integral 316L stainless safety rails • Tilt steering wheel • Complete VDO Logic instrumentation • Ritchie compass • Quicksilver shift/throttle control • Safety ignition stop switch with tether • Auxiliary 12V outlet • Accessory rocker switches w/ E-T-A circuit breakers • Concealed marine horn • Port trash receptacle • Igloo cooler • Kenwood KRC-2004 AM/FM auto reverse cassette w/marine-grade speakers • Sunbrella convertible top • Cockpit courtesy lighting • Fire extinguisher

Formula Cabin

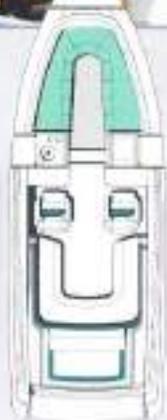
- Sliding/locking cabin door • Lounge seating w/ filler cushions/sleeps 2 • Entertainment center • Stainless sink • Portable head unit • Decor pillows

Formula Engine Room

- Motorized hatch lift • Engine room courtesy lighting • Engine room fume detector • Halon 1301 automatic extinguisher • Thru-bolted engine mounts • Remote oil filter • MerCathode anti-electrolysis system • Alternator noise filter • Battery and Gil battery retainer • Bilge blowers • Rule automatic bilge pump • Stainless steel Mirage prop • Thru-hub exhaust (350, 7.4 l) • Silent Thunder® exhaust (454, 502)

AVAILABLE EQUIPMENT

- Formula Imron design • Formula Imron design in Palm Beach, Malibu or Aruba colors • Bow docking lights • Lowrance 3400 electronic depth sounder • Kenwood KRC-430 AM/FM auto-reverse cassette w/electronic locking system and marine-grade speakers • Kenwood KDC 77R AM/FM Single CD player • VHF radio w/ antenna • Silent Thunder® exhaust (350, 7.4 l) • Extra battery and switch • Single burner alcohol stove • Demand water system w/ transom shower • Hydraulic boat levelers • Head unit w/dockside pump-out • Head unit w/ Y-valve for macerator discharge or dockside pump-out • Cockpit table w/ filler cushion • Cockpit carpet • Cockpit side and aft curtains • Sunbrella cockpit cover • Sunbrella storage cover



F-252 SUN SPORT

Centerline Length	25'2"	7.65 m
Maximum Beam	8'6"	2.60 m
Approximate Weight	4525 lbs	2052 kg
Fuel Capacity	88 gal	333 l
Maximum Capacity	1800 lbs	816 kg
Water Capacity	12 gal	45.6 l
Bridge Clearance	4'10"	1.48 m
Draft	32"	.81 m
Deadrise	22°	

STANDARD EQUIPMENT

Formula Exterior

- NMMA Certification • Certified foam flotation • Standard Imron Graphic • Bonded and thru-bolted deck and hull • Tinted tempered curved glass windshield • Anchor locker • Stainless steel hardware and 316L stainless welded rails • Two cabin venting hatches • Integrated swim platform • Concealed swim ladder • Stainless ski tow eye

Formula Cockpit

- One-piece fiberglass cockpit liner • Custom designed component seating • Twin bucket seats • Aft lounge for 4 • Under aft lounge storage • Integrated drink holders • Integral 316L stainless safety rails • Tilt steering wheel • Complete VDO Logic Instrumentation • Ritchie compass • Quicksilver shift/throttle control • Safety ignition stop switch with tether • Auxiliary 12V outlet • Accessory rocker switches w/ E-T-A circuit breakers • Port trash receptacle • Concealed marine horn • Igloo cooler • Kenwood KRC-2004 AM/FM auto reverse cassette w/marine-grade speakers • Sunbrella convertible top • Cockpit courtesy lighting • Fire extinguisher

Formula Cabin

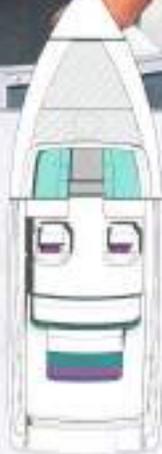
- Sliding/locking cabin door • Lounge seating • Upholstered bow berth/sleeps 2 • Portable head unit • Decor pillows

Formula Engine Room

- Motorized hatch lift • Engine room courtesy lighting • Engine room fume detector • Halon 1301 automatic extinguisher • Thru-bolted engine mounts • Remote oil filter • MerCathode anti-electrolysis system • Alternator noise filter • Deep cycle battery and Gil battery retainer • Bilge blowers • Rule automatic bilge pump • Stainless steel Mirage prop • Thru-hub exhaust (350, 7.4 l) • Silent Thunder® exhaust (454, 502)

AVAILABLE EQUIPMENT

- Formula Imron design • Formula Imron design in Palm Beach, Malibu or Aruba colors • Bow docking lights • Lowrance 3400 electronic depth sounder • Kenwood KRC-430 AM/FM auto-reverse cassette w/ electronic locking system and marine-grade speakers • Kenwood KDC 77R AM/FM Single CD player • VHF radio w/antenna • MerCruiser closed water cooling system (7.4 l, 454) • Silent Thunder® exhaust (350, 7.4 l) • Extra deep cycle battery and switch • 12-gallon demand water system w/ transom shower • Hydraulic boat levelers • Head unit w/dockside pump-out • Head unit w/ Y-valve for macerator discharge or dockside pump-out • Cockpit carpet • Cockpit side and aft curtains • Sunbrella cockpit cover • Sunbrella storage cover



F-252 LS

Centerline Length	25'2"	7.65 m
Maximum Beam	8'6"	2.60 m
Approximate Weight	4525 lbs	2052 kg
Fuel Capacity	88 gal	333 l
Maximum Capacity	1800 lbs	816 kg
Bridge Clearance	4'10"	1.48 m
Draft	32"	.81 m
Deadrise	22°	

F.252 LS



White B Ironon® with Malibu Accent



F.271 SR.1



White #1 Imron with Palm Beach Accent





STANDARD EQUIPMENT

Formula Exterior

NMMA yacht certification • Injected foam hull construction • Standard Imron graphic • Bonded and thru-bolted deck and hull • Tinted tempered curved glass windshield • Stainless steel hardware and 316L stainless welded rails • Two cabin venting hatches • Integrated platform w/swim ladder

Formula Cockpit

One-piece fiberglass cockpit liner • Custom designed component seating • Twin bucket seats • Aft lounge seating for 4 • Under aft lounge storage • Integral 316L stainless safety rails • Tilt steering wheel • Complete VDO Logic instrumentation • Backlit dash panels • Ritchie compass • Kiekhaefer Command shifter and throttle • Safety ignition stop switch w/tether • Auxiliary 12V outlet • Fingertip trim switches • E-T-A accessory circuit breakers • Concealed air horn • Stereo volume control • Marine-grade speakers • Side coaming storage • Built-in trash receptacle • Cockpit courtesy lighting • Fire extinguisher

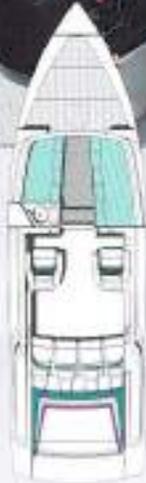
Formula Cabin

Sliding/locking cabin door • Lounge seating • Upholstered bow berth/sleeps 2 • Portable head unit • Entertainment center • Stainless sink • Water system • Igloo cooler • Kenwood KRC-340 AM/FM auto reverse cassette w/electronic locking system and marine-grade speakers • Decor pillows

Formula Engine Room

Motorized hatch lift • Engine room courtesy lighting • Engine room fume detector • Halon 1301 automatic extinguisher • Thru-bolted engine mounts • Remote oil filter • MerCathode anti-electrolysis system • Alternator noise filter • Deep cycle battery and Gill battery retainer

- Bilge blowers • Rule automatic bilge pump • Bilge high water alarm • Stainless steel Mirage prop • Thru-hub exhaust (7.41) • Silent Thunder® exhaust (454/502/465/525)



F-271 SR-1

Centerline Length	27'1"	8.26 m
Maximum Beam	8'3"	2.51 m
Approximate Weight	5250 lbs	2363 kg
Cabin Headroom	4'5"	1.35 m
Fuel Capacity	106 gal	403 l
Water Capacity	18 gal	68 l
Bridge Clearance	4'11"	1.49 m
Draft	32"	.81 m
Deadrise	24°	

levelers • Bow docking lights • Kenwood KRC-930 remote control AM/FM auto reverse cassette w/electronic locking system and 120W amplifier • Kenwood KRC-930 remote control AM/FM auto reverse cassette w/electronic locking system, 120W amplifier and multiple (10) disc CD player • Demand water system • Transom shower • Lowrance 3400 electronic depth sounder • VHF radio w/antenna • Loran C w/antenna • Silent Thunder® exhaust (7.41) • Extra deep cycle battery and switch • Head unit w/dockside pump-out • Head unit w/ Y-valve for macerator discharge or dockside pump-out • Cockpit carpet • Sunbrella Bimini top • Front, side and aft curtains • Electric assist stand-up bolsters • Sunbrella cockpit cover • Sunbrella storage cover • Shipping/storage cradle

Formula Color Accents

Formula Sportboat: Blue, Ocean, Red, Palm Beach, Malibu or Aruba.

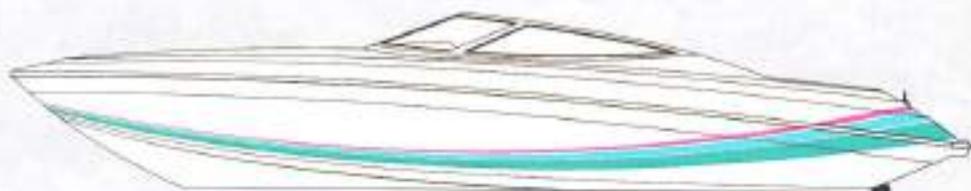
See your Formula dealer for complete details.



Standard Imron Graphic



Imron Design A



Imron Design B



Tours of the Thunderbird manufacturing facility located in northeast Indiana are conducted by appointment. To arrange for a tour or for further information, call 1-800-736-7685.

Formula reserves the right to make product changes and improvements throughout the model year.

Available Canvas

Formula custom-fitted canvas features color-matched, non-fading Sunbrella fabric, 316L stainless steel framework and weather-resistant YKK zippers.



Sportboat cockpit cover



Sportboat convertible top



Interested in Formulas 27 feet and over? Call Formula at 1-800-736-7685, or see your nearest dealer to receive a brochure featuring the new Formula Performance and Cruiser powerboats. The 271 SR-1, Full-Sized Boat of the Year, along with the 303, 336 and 419 complete the Performance series. The 26 PC, 31 PC, 34 PC and 36 PC are the Formula Cruisers for 1993.

The *Formula Action* highlights new product developments and boating updates along with interesting Formula owner experiences and photos. The *Action* is mailed directly to all Formula owners and is also available at Formula dealerships or by request through Formula.

Formula Fashions and Accessories are perfect for boating and other leisure activities. All top quality and in the latest styles and colors, these items are available through Formula dealerships or by calling Formula at 1-800-736-7685 for a free catalog.



The Formula video for 1993 features the complete Formula line and includes five entirely new models. Three separate segments highlight the Thunderbird state-of-the-art facility, the excitement of Formula boating and each individual Formula model powering across the water. Call Formula at 1-800-736-7685 to purchase the full 38-minute video.





Your Formula Dealer:

Thunderbird Products
2200 West Monroe Street
P.O. Box 1003
Decatur, IN 46733-5003
219-724-9111 • FAX 219-724-1103