

# ARON FLYING SHIP M80 STANDARD ( MIAMI) - ARON



**Builder:** [ARON](#)

**LOA:** 42' 0" (12.80 m)

**Year Built:** 2025

**Beam:** 47' 0" (14.33 m)

**Model:** M80 Standard

**Min Draft:** 6' 0" (1.83 m)

**Price:** - Subject to change.

**Cruising Speed:** 85 Knots (97.82 MPH)

[See full listing on our website](#)

**Location:** Miami, United States

**Max Speed:** 135 Knots (155.35 MPH)

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# OVERVIEW

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ARON Flying Ship – The Pinnacle of Marine Aviation

Revolutionary Design. Certified Innovation. Unmatched Efficiency.

Expertly crafted, the ARON Flying Ship redefines marine travel with cutting-edge Wing-in-Ground (WIG) technology. Featuring a trimaran hull, this vessel guarantees exceptional stability, safety, and comfort, even during low-altitude voyages. Its nearly unsinkable design makes it ideal for coastal, commercial, and high-performance private use.

Constructed with advanced hybrid composites and utilizing diverse material bonding and vacuum infusion methods, ARON endures harsh marine environments while minimizing long-term maintenance.

Key Certifications & Recognition:

KR Certification & Manufacturing Method Approval

Acknowledged as a National Core Technology Company by the Ministry of Trade, Industry, and Energy for innovations in WIG systems

Eco-Friendly Performance Meets Versatility

ARON is not just a technological wonder—it's a step towards sustainability:

Up to 50% fuel savings compared to helicopters

20–30% more efficient than yachts in its class

Minimal infrastructure needed – launches from portable pontoons

Trailerable and compact – easy to store and transport

Whether you're conducting commercial tours, leading private eco-adventures, or managing critical logistics, ARON provides the perfect blend of performance, cost-efficiency, and operational flexibility.

Embrace the future of marine aviation—soar just above the waves with ARON.

# SPECIFICATIONS

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## Basic Information

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**Category:**  
Motor yachts

**Year Built:**  
2025

**Model Year:**  
2025

**Country:**  
United States

## Dimensions

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**LOA:**  
42' 0" (12.80 m)

**Beam:**  
47' 0" (14.33 m)

**Min Draft:**  
6' 0" (1.83 m)

## Speed, Capacities and Weight

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**Cruise Speed:**  
85 Knots (97.82 MPH)

**Max Speed:**  
135 Knots (155.35 MPH)

## Hull and Deck Information

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**Hull Material:**

Fiberglass and Plastic Yachts

**Hull Designer:**

N/A

**Deck Material:**

Composite

**Interior Designer:**

N/A

**Hull Configuration:**

N/A

## Engine Information

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**Engines:**

1

**Fuel Type:**

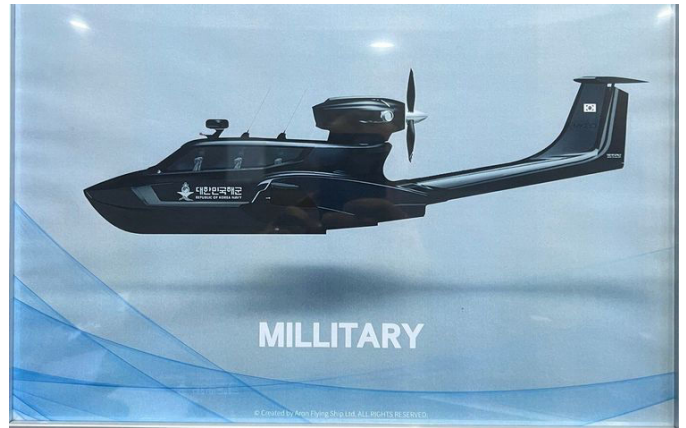
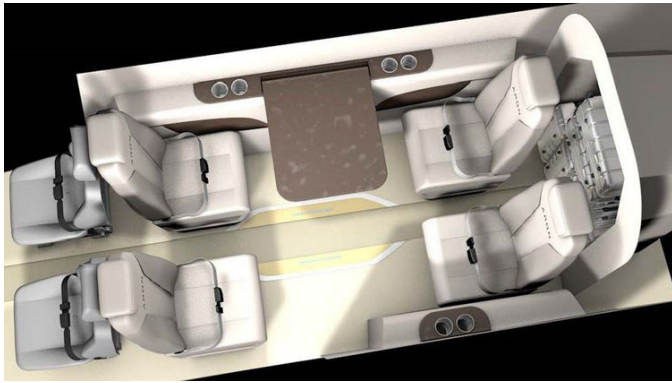
Other

**Engine Type:**

Inboard

# GALLERY









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## DETAILED DESCRIPTION

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### **Aron M-80 Flying Ship: Advanced Hybrid Maritime Transportation Next-Generation Hull Technology**

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The ARON M-80 Flying Ship represents a pinnacle of contemporary engineering, featuring a hull constructed from cutting-edge hybrid composite materials. This pioneering design utilizes carbon fiber bonding and vacuum infusion methods, creating a vessel that is more robust, lighter, and swifter than conventional boats or amphibious aircraft. Its construction is highly resistant to corrosion and the challenging marine environment, ensuring both longevity and durability. The ARON M-80 is remarkably fuel-efficient, enabling smoother and faster water operations.

Inside, the ARON M-80 offers flexible interior layouts, making it suitable for a diverse array of missions. It can be tailored with club seating for four passengers, set up for ferry services accommodating six to eight passengers, or configured for commercial and logistics needs, providing up to 2,200 lbs (1,000 kg) of cargo capacity with large cargo doors.

The ARON M-80 is not only environmentally friendly but also cost-effective in operation. Thanks to its Wing-In-Ground (WIG) effect, it consumes up to 65% less fuel than helicopters and up to 75% less than traditional boats or seaplanes, significantly reducing operating expenses and environmental impact.

Safety and stability are central to the ARON M-80's design. Its trimaran hull provides excellent stability in sea conditions up to 5.9 feet, and with over 100,000 test miles flown, its reliability is well-established. The vessel features a climb rate of 12 feet per second and an operational ceiling of 150 meters (500 feet). It is constructed to meet RINA and KR standards, with MCA and USCG certifications available, and complies with Category A and B according to IMO

WIG craft classifications.

The ARON M-80 requires minimal infrastructure, as it can be launched using a portable floating pontoon system. It is trailer transportable, with detachable wings and a 4-point lift harness, making it perfect for remote areas, undeveloped regions, or superyacht deployment.

Designed for low maintenance and operational efficiency, the ARON M-80's composite construction means no through-hulls and minimal corrosion, while simplified systems lead to fewer moving parts and reduced service needs. A quick washdown after use is generally sufficient. It is powered by a Pratt & Whitney PT6A-34 engine, supported by global service and assistance.

Passenger comfort and safety are prioritized, with a smooth air-cushion ride at 25 feet that eliminates vibration and minimizes motion sickness. Optional features include shock-mounted seating, leather trim, and air conditioning. An AI-enhanced night/day vision camera and a 360° Lookout system ensure comprehensive situational awareness, while Garmin marine electronics with radar, AIS, and telemetry offer global real-time monitoring.

The ARON M-80 is perfect for a wide range of industries and missions, including surveillance and reconnaissance, search and rescue, marine patrol and light defense, anti-submarine operations, passenger ferry and tourism, offshore logistics and express freight, ambulance and emergency evacuation, and water taxi and yacht tender support.

## **Powerplant & propulsion: ARON M-80 Flying Ship**

The ARON M-80 Flying Ship is driven by the renowned Pratt & Whitney PT6A-34 turboprop engine, celebrated worldwide for its over five decades of reliable performance and comprehensive global support. Fueled by Jet-A, this engine guarantees dependable operation in diverse conditions, making it a versatile choice for various missions. Paired with this engine is a Hartzell four-blade

propeller, meticulously designed for use in saltwater environments. The propeller's tungsten-coated leading edge significantly prolongs its lifespan and boosts durability. Operating at a steady speed of 2,200 RPM, this setup ensures outstanding efficiency, minimized noise, and increased reliability, perfect for prolonged, low-altitude Wing-In-Ground (WIG) operations.

The ARON M-80 features an EMS LCD digital display for monitoring performance, offering real-time data on essential metrics such as RPM, oil temperature, oil pressure, outside air temperature (OAT), interstage turbine temperature (ITT), fuel level, flow and pressure, voltage, ammeter, and hour meter. For those desiring enhanced capabilities, an optional full telemetry system is available, providing remote diagnostics for both the engine and the vessel.

Regarding range and endurance, the ARON M-80 provides a standard range of 350 nautical miles with reserves. For those needing a longer range, an optional tank can be installed, extending the range by an additional 200 nautical miles. This blend of cutting-edge powerplant technology and efficient propulsion ensures that the ARON M-80 is fully prepared for a broad spectrum of maritime missions.

## **Powerplant: P&WC PT6A-34**

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The heart of this extraordinary vessel is the PT6A-34, a turboprop engine crafted by Pratt & Whitney Canada (P&WC). Celebrated in the aviation sector for its outstanding performance and dependability, this engine delivers 750 horsepower, operates at a peak of 2,200 RPM, and uses Jet-A fuel. Since its debut in 1964, more than 51,000 units have been distributed globally, underscoring its legendary reputation. The PT6A series benefits from an unparalleled global network that provides extensive service, training programs, and maintenance support, offering operators peace of mind.

The engine is paired with the Hartzell 4-Blade D4N-3YLX propeller system,

featuring tungsten-coated leading edges to withstand saltwater and prolong blade longevity. This system includes constant-speed, feathering, and reversible pitch capabilities, tailored for low-RPM, high-reliability Wing-In-Ground (WIG) operations.

Performance and monitoring are elevated by a digital EMS display, delivering real-time insights into RPM, oil temperature and pressure, interstage turbine temperature (ITT), outside air temperature (OAT), fuel flow, level, and pressure, along with voltage, amperage, and an hour meter. For those managing charter or commercial fleets, an optional telemetry-ready remote monitoring system is available, enabling connection to a central command center for comprehensive management.

Service and maintenance are simplified, with service intervals every 600 hours and a time between overhaul (TBO) of 5,000 hours, ensuring the engine remains in optimal condition over extended periods. This blend of advanced engineering and robust support makes the PT6A-34 an excellent choice for those prioritizing reliability and performance in their maritime endeavors.

## **Aron M-80 Flying Ship – Key Specifications**

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The ARON M-80 Flying Ship is an extraordinary craft, measuring 41.6 feet in overall length (LOA) and 32.2 feet along the waterline (WL). With a height of 12.7 feet and a draft of merely 1.8 feet, this vessel is crafted for both versatility and high performance. Its notable beam, or wingspan, reaches 47.6 feet, ensuring stability and operational efficiency.

Regarding weight and capacity, the ARON M-80 boasts an empty weight of 6,923 pounds and a maximum takeoff weight of 9,480 pounds, accommodating significant payloads and offering flexibility for diverse missions. The standard fuel tank holds 158 gallons, with an optional extended tank providing an additional 100 gallons, guaranteeing extended range and endurance for longer voyages. For added convenience, an optional 5-gallon

water tank is available, along with a portable toilet unit situated in the aft storage compartment.

These essential specifications underscore the ARON M-80's ability to deliver outstanding performance and adaptability, making it a perfect choice for a broad spectrum of maritime applications.

## **Aron M-80 Flying Ship – Interior & Cabin Configuration Standard Accommodation**

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The ARON M-80 Flying Ship boasts an interior and cabin layout meticulously crafted to balance comfort with functionality. Standard accommodations provide seating for six, featuring two suspension-type pilot seats for the captain and co-pilot, ensuring a smooth journey even in demanding conditions. The main cabin offers club-style seating for four, complete with shock-absorbing mounts for enhanced comfort. Elegantly finished with carpet and optional leather accents, the cabin is climate-controlled with air conditioning and four vents to maintain a pleasant atmosphere.

For those needing more space, an extended cabin model is available, seating up to eight passengers and offering dedicated cargo space. This version provides a flexible layout, suitable for either passenger-centric or utility-focused missions, tailored to specific operational needs.

Custom configurations are available for specialized orders, including models for ambulance or medical transport and cargo logistics. These can be tailored to meet the unique requirements of owners or operators and may include optional cargo-style side or rear doors. The fully adaptable cabin can be outfitted with mounts for stretchers, medical storage, or industrial cargo securing options, offering versatility for various applications.

Optional interior upgrades further enhance the ARON M-80's adaptability. A portable toilet can be installed in the aft cargo area for added convenience. A

media suite, featuring cabin-mounted cameras, screens, and speakers, is available for training, security, or passenger entertainment. Premium finishes, such as optional leather seating, carpet, and enhanced trim, add a luxurious touch. For improved loading and unloading, a cargo door can be added, and winglet thrusters are available to boost maneuverability.

These interior and cabin configurations make the ARON M-80 Flying Ship a versatile and adaptable option for a broad range of maritime missions, ensuring both comfort and practicality for passengers and operators alike.

## **Aron M-80 Flying Ship – Safety, Navigation & Communication Systems Standard Safety Equipment**

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The ARON M-80 Flying Ship is outfitted with an extensive array of safety, navigation, and communication systems, meticulously designed to guarantee maximum security and operational efficiency. Standard safety gear includes eight life jackets, an EPIRB (Emergency Position Indicating Radio Beacon), a handheld VHF radio from ICOM, an offshore flare kit, and an anchor with a 100-foot rode, all crucial for secure maritime journeys.

In terms of navigation and communication, the ARON M-80 is equipped with an Automatic Identification System (AIS) and STARLINK satellite connectivity, ensuring dependable communication and tracking capabilities. A bow-mounted LED spotlight, navigation lights on the wingtips for both port and starboard, and anchor and mast lights provide visibility and safety in diverse conditions. For improved night operations, an optional FLIR infrared camera is available. Additionally, for missions involving rescue, patrol, or ambulance services, optional sirens, lights, and a PA/hailer system can be installed.

The vessel's vision and detection capabilities are enhanced by the LOOKOUT AI

system, offering advanced 360-degree and forward-facing marine vision. This system delivers real-time detection of marine life, debris, and surface threats, with the capability to function both day and night, boosting situational awareness and safety.

Customization and advanced features further augment the ARON M-80's versatility. An optional custom paint scheme with logos or branding is available for personalization. The telemetry monitoring system provides remote access to flight data and system diagnostics, making it perfect for commercial, rescue, or fleet applications.

These comprehensive systems and features make the ARON M-80 Flying Ship a dependable and versatile option for a broad spectrum of maritime missions, ensuring that safety, communication, and navigation are always prioritized.

## **M-80 WIG Craft – Certified Operating Categories**

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The M-80 WIG (Wing-In-Ground Effect) craft is categorized under Type A and B, complying with international maritime and aviation hybrid standards. This classification guarantees that the M-80 is prepared to function efficiently and safely within its specified limits.

In Category A, the M-80 is crafted for operations strictly within 25 feet (7.6 meters) of the surface, leveraging the ground effect to boost lift and fuel efficiency. This makes it perfect for over-water transport, coastal patrols, and operations near the shore, where proximity to the surface is beneficial.

Category B permits the M-80 to function outside the ground effect when needed, with certification to ascend up to 150 meters (492 feet) above the surface. This feature is especially valuable for clearing obstacles, handling emergencies, or when extended terrain coverage is necessary.

Although Category C is mentioned for altitudes above 150 meters (500 feet), it does not apply to the M-80, which is optimized for Type A and B operations.

The M-80's design and certification ensure it is ideally suited for its intended operational settings, offering both versatility and dependability.

## **Aron M-80 Flying Ship – Helm & Avionics Specifications Helm Standards & Certification**

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The ARON M-80 Flying Ship is expertly designed to meet the most stringent standards, constructed in line with RINA, MCA, and USCG specifications. This guarantees that the vessel complies with strict safety and operational protocols. For those with particular mission or client demands, custom helm configurations can be arranged, providing tailored solutions to meet specific operational requirements.

The navigation and display suite of the ARON M-80 is cutting-edge, featuring three 12-inch Multi-Function Displays (MFDs). These displays are seamlessly integrated with GPS chart plotters, radar, AIS, depth sounder, and navigation systems, offering comprehensive situational awareness. The radar system is a 24-nautical-mile X-Band high-speed radar, ensuring accurate navigation and safety. The AIS is smoothly incorporated into the chart plotter suite, and the depth sounder is fully integrated, providing reliable data for safe navigation.

Communication systems on the ARON M-80 are exceptional, featuring an ICOM VHF radio and Bose A20 headsets for the captain and mate, which are noise-canceling and aviation-grade. Passengers enjoy four Bose cabin intercom stations, ensuring clear communication throughout the vessel. Optional communication upgrades include a hailer system and a siren and light package, perfect for emergency, rescue, or patrol missions.

The flight instruments on the ARON M-80 are TSO certified, including an altimeter, turn and slip indicator, GPS heading/digital compass indicator, and a digital altitude indicator. The airspeed indicator ranges from 0 to 170 knots, and a magnetic compass is also included. The pitot-static system is both static

and heated, ensuring precision in all conditions.

For optimal visibility and safety during low-light and night operations, the helm is equipped with red night-mode lighting. This thoughtful addition enhances the safety and functionality of the vessel, making the ARON M-80 Flying Ship a dependable and advanced option for a wide array of maritime missions.

## **Aron M-80 Flying Ship – Performance & Structural Specifications Performance Overview**

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The ARON M-80 Flying Ship is crafted for outstanding performance and structural strength, distinguishing it in its category. With a cruising speed range between 75 and 135 knots and a top speed of about 135 knots, this vessel is built for fast and efficient travel. It takes off at 70 knots, needing only 0.4 nautical miles for takeoff. The climb rate is an impressive 12 feet per second, allowing for quick ascents when necessary. The turning radius is efficient, with a 5-degree turn requiring 1.6 nautical miles and a 10-degree turn needing just 0.5 nautical miles. In Wing-In-Ground (WIG) mode, the operational ceiling is 25 feet above the surface, and the craft can manage wave heights up to 5.9 feet, though for optimal comfort, wave heights up to 4 feet are recommended.

The ARON M-80 provides a standard range of 325 nautical miles and has a useful load or cargo capacity of 2,557 pounds, making it adaptable for various missions. Its design features a vacuum-bagged composite hull and wings, eliminating through-hulls or below-waterline fittings to reduce corrosion and leakage risks. The wings are specifically engineered for ground effect and stability over water surfaces.

The seating arrangement includes standard passenger seating for six, with optional shock-mitigation seats for added comfort. The captain and co-pilot seats are suspension-type, high-back, and fully adjustable, ensuring a comfortable and controlled experience for the crew.

Control and stability are enhanced by the Humphree Active Trim System, offering real-time stabilization, while two marine-grade wipers and motors ensure optimal forward visibility. The engine warranty is supported by Pratt & Whitney Canada, and the craft warranty is available for private, charter, or commercial use, with certification options tailored to the mission profile.

These performance and structural specifications underscore the ARON M-80's ability to deliver remarkable speed, range, and stability, making it an excellent choice for a wide array of maritime operations.

## **Sales, Trials & Delivery – ARON M-80 Flying Ship Global Representation**

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Joel Romero, the CEO of The FindGroup (TFG), acts as the exclusive global representative for the ARON brand and its manufacturer. TFG handles all international sales, client interactions, and coordination for both commercial and private or leisure use of the ARON M-80 Flying Ship.

For those eager to experience the ARON M-80 firsthand, test drives and sea trials can be organized upon request for qualified buyers. Factory tours are available by appointment only, and all clients must undergo pre-vetting before scheduling. Commercial clients have the option to request comprehensive evaluations, performance data, or demonstrations tailored to specific mission requirements.

Regarding ordering and delivery, standard specifications and pricing are provided on application (POA), with all pricing set as FOB (Factory). All purchase agreements are managed through an experienced maritime law firm to ensure a seamless transaction. The current delivery timeframe is approximately 14 months from the order date, as of May 2025.

Training and licensing are essential components of the delivery process. A 25-hour simulator training program is offered at the factory and is mandatory

for delivery. Captains must possess at least a 200-ton Captain's License and be familiar with the local waters where the vessel will operate.

For commercial operations, optional full telemetry and remote diagnostics are available. In scenarios involving rescue or medical use, remote monitoring, telemetry, and training simulators are available for ambulance and rapid response deployments, ensuring that the ARON M-80 is well-equipped for a diverse range of operational needs.

## Join the ARON Dealer Network

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We are expanding and are on the lookout for qualified dealers to become part of our expanding global network. If you are enthusiastic about providing state-of-the-art marine and aviation solutions, the ARON Flying Ship is a transformative addition to your offerings. It uniquely combines speed, safety, and innovation, setting a new standard in the market.

As a dealer, you will benefit from complete support, including thorough product training, sales and technical assistance, marketing materials, and media resources. Furthermore, we provide lead-sharing and launch support to ensure your success.

If you are prepared to represent the future of marine mobility, we are eager to connect with you. Reach out to us today to discuss dealer opportunities. You can contact us at 949.466.6264.

# CONTACTS

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Shestakov Yacht Sales is a brokerage company specializing in the sale and service of yachts worldwide. The company offers services for buying and selling both new and used motor yachts, sailing vessels, and luxury superyachts. They also provide yacht registration, insurance, technical maintenance, crew selection, and charter organization services across the U.S., Canada, Latin America, the Caribbean, and the Bahamas.

The founder and lead broker of the company is Andrey Shestakov, a licensed and certified expert with extensive experience in marine engineering and shipbuilding.

The company has an extensive network of partnerships with major yacht manufacturers worldwide and provides services in multiple languages, including Russian, Ukrainian, Spanish, and English. The office is in Dania Beach, Florida, USA.

For more information and to view available yachts, you can visit the company's official website: <https://shestakovyachtsales.com>

## Contact details

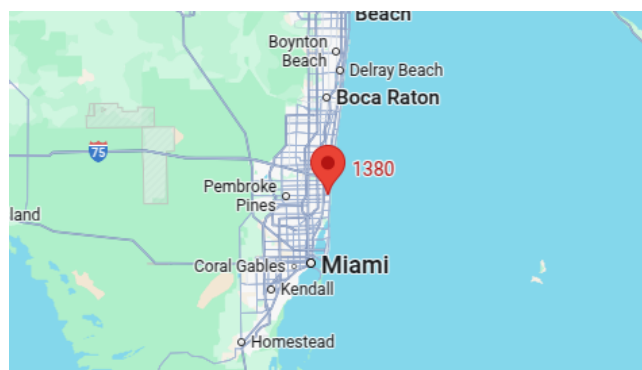
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## Address

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