

codyline

Legendary Designs
Since 1971

INNOVATIVE TECHNOLOGY LEGENDARY

Eddyline Technology
Setting The Standard Since 1971

Vacuum Bagged Construction

Vacuum bagging is a fiberglass lamination technique developed by NASA in the 1960's to produce fiberglass laminates capable of full-filling aviation and aerospace requirements. Tom Derrer first adapted the process to the construction of kayaks in 1974. It is used today by all true high quality manufacturers because it provides a high glass-to-resin ratio and the process is friendlier to the environment and to our laminators. Vacuum bagging keeps the weight down, the strength high and the structure constant.



Sea Star

The deck and hull joint consists of a tough double biased fiberglass seam on the inside and a durable extruded trim strip locked between the two. Rudder cables, when used, run internally through a channel in the trim strip where they are protected and out of the way.

Composite laminates are the most expensive methods of construction, but also offer higher performance, durability and longevity. Eddyline offers two such laminates to satisfy the needs of high end paddlers.

Fiberglass: This laminate is quite rigid, durable and remarkably lightweight for its strength. It is a very tough laminate, built with a careful selection of performance glass fabrics throughout, accompanied by the selective use of closed cell foam core for stiffening. We have achieved an outstanding strength to weight relationship in an expedition worthy construction that is suitable for all uses.

Kevlar: We have added the incredible tensile strength of Dupont's well known Kevlar 49 to a combination of special aircraft style glass fabrics and selective foam core stiffening to create a special lay-up that reduces boat weight significantly. This high strength but lightweight laminate is suitable for virtually all uses other than hard core surf work. Car topping and carrying our Kevlar boats is virtually a dream come true. Kevlar construction uses state of the art fabrics and high performance vinyl ester resins throughout.

CARBONLITE® 2000

Carbonlite 2000® kayaks are heat formed in a process involving vacuum and high temperatures. Utilizing a recently developed high strength thermoplastic sheet with a UV resistant weatherable skin this extraordinary material combines many of the best properties of plastics and fiberglass. Here is how.

The material itself is highly impact resistant, hard, glossy and can be easily repaired. It has excellent dimensional stability even in high temperatures that would cause other plastic kayaks to deform or sag, a common phenomenon in the world of rotationally molded products. Abrasion resistance is excellent and the "fuzzy" bottoms typical of plastic kayaks do not occur. This means your original high performance hull will not "dull" with use from excessive "hair" drag, but remain stiff and smooth and true.

Carbonlite 2000® construction is a technology exclusive to Eddyline. The material is quite costly, but the technology provides considerable savings in labor, so we are happy to be able to provide you fiberglass like performance at a lower cost.

Modulus Technology

Redefining the Future

Through a unique and exciting marriage of Composite and Carbonlite 2000®, Eddyline is the first company to produce kayaks combining the best qualities of both.

Modulus construction consists of a thin shell of Carbonlite 2000® on the exterior of the kayak, with a Vacuum Bagged fiberglass/Kevlar interior. By replacing the traditional brittle "Gel Coat" in fiberglass construction with the toughness of Carbonlite 2000®, we are able to build a lightweight, highly durable kayak at a lower cost than traditional Kevlar models.

With Modulus Technology, Eddyline is redefining the future of high-end kayak construction! Currently available in the Merlin LT, Merlin XT and Night Hawk models.

DESIGNS REDEFINING PERFORMANCE

Design and Control Systems on Eddyline Kayaks

Rudders: Good kayak control is essential to safe and enjoyable paddling. Most of the control comes from you and the paddle, but many features of the kayak can help you. Most Eddyline kayaks are designed with carving hulls that allow you to control the boat by leaning it. Windage is kept low and balanced with the displacement characteristics of each model. This provides optimum performance and handling ease in variable wind and water conditions.

The Wind Dancer, Raven, Calypso, Sea Star kayaks as well as all doubles are provided with a foot controlled rudder. The rudder may be lowered for an extra margin of control in difficult paddling conditions or while learning. Our durable and efficient rudder is spring loaded down with a single line control. Deployment is simple and easy and the rudder will lift if you paddle over solid obstacles or forget to raise it when landing.

In 1996, through our years of hull analysis, we developed a unique method of incorporating rudder control into the hull itself. Beginning with the Falcons, Merlins, and now our new Sandpiper and Night Hawk kayaks, Eddyline has created a new level of performance we describe as "Rudder Free Design". Kayak control is easily maintained in all paddling conditions without an external rudder on these models.

Integral Safety System: Bulkheads Bow and Stern maintain a high level of flotation, making reentry into the boat in the event of a capsizing possible. Eddyline also provides reentry bungee cords on the rear deck of all singles (except the Sandpiper). These cords work in conjunction with our Backfloat or any other paddle float device to stabilize the kayak while you get back in. The optional Backfloat however, has a dual purpose. It also functions as a backrest cushion which can enhance low back support and general comfort. Since it is mounted in the cockpit and already partially inflated, it is faster and easier to deploy if needed as an emergency device. The 2 point lines on the stern deck will hold a spare breakdown paddle. Bow deck lines can hold your chart and hand pump. (All kayaks except Sandpiper).

Seats: Comfort in the kayak is vital to your paddling pleasure. Eddyline seats and backrests are designed with maximum adjust-ability for a custom fit. The backrest is hinged at the connection to the seat to allow it to be folded forward for ease of loading and to allow you to adjust its position forward or back to suit your preferred paddling style. The backrest has three height positions and can be adjusted to suit your need. Our optional nylon covered seat pad with hip shims, bottom and back pads allows the paddler to totally customize and re-customize seating without the mess of gluing blocks of foam.

Hatches and Flotation: Maximum buoyancy is provided in both ends of the kayak by a sealed bulkhead fore and aft of the cockpit. Access is provided for storage through special hatches specific to each kayak design. Bulkheads are vented to prevent pressure build up from changing temperatures. (All kayaks except Sandpiper)



Night Hawk

SHOULD YOU CARE what your kayak is made of ?

The materials used in your kayak affect its performance, value and life span.

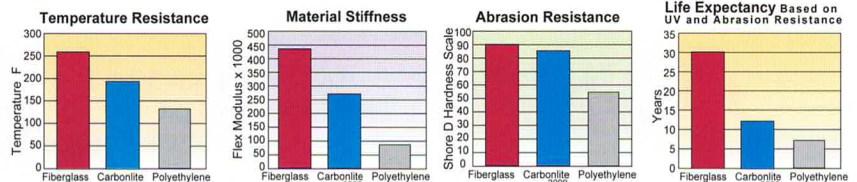
The following charts compare vital statistics of the three most common materials used in kayak construction today: Polyethylene, Carbonlite 2000 and Fiberglass. Figures are relative comparisons based on averages from material manufacturers for each type of material.

PERFORMANCE

* **Temperature resistance:** This chart shows how well your material will hold up in the heat. Temperatures on top of your car easily reach 150 degrees or better during the summer.

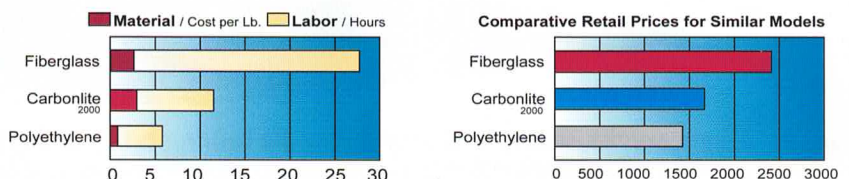
* **Abrasion resistance:** Will the bottom scrape off or "fuzz up" when abraded. Fuzzy bottoms (no pun intended) will add drag and lower performance. This is a function of material hardness.

* **Stiffness:** This affects the weight of the kayak and how well it keeps its shape. The softer the material, the thicker and heavier the kayak will be and the less it will hold its shape.



VALUE and LONGEVITY:

How long will your kayak last, and how much will it be worth in two years or twenty? You may buy it once, twice or three times depending on the quality of choice you make. The following charts show relative costs and retail prices. Are you getting the best value for your dollar?



Eddyline Kayaks has focused on quality kayak design and manufacturing for 28 years. We want you to know what you are buying, because we want you back in another 10 or 15 years

INNOVATIVE TECHNOLOGY LEGENDARY

Night Hawk

Length 16 ft. Beam 22 in. Weight 48 lbs.
Cockpit 31.5 x 17 in. Volume 10.2 cu. ft. Capacity 330 lbs.
Material: Carbonlite 2000 or Modulus



The Night Hawk is a performance kayak in the same tradition as our well loved Raven. It features a recessed skeg, hatches, bulkheads and a keyhole cockpit along with our comfortable seat and three way adjustable backrest. The Night Hawk is fast, and highly maneuverable with aggressive carving ability, but tracks like a rail with the skeg down. Even with the skeg up it fits the performance requirements of our designation, Rudder Free Design.

Merlin XT

Length 15 ft. Beam 23 in. Weight 49 lbs.
Cockpit 31.5 x 17 in. Volume 11.3 cu. ft. Capacity 390 lbs.
Material: Carbonlite 2000 or Modulus



The XT is longer and deeper than the LT making it highly suitable to larger paddlers and has substantially more storage capacity.. Still small and light enough to easily carry, this dry riding kayak makes an excellent all around touring kayak. Sea Kayaker Magazine " In winds to 20 knots, the Merlin is well balanced and easy to keep on course in any direction...Its secondary stability is very good and predictable, contributing immensely toward my confidence in putting the boat on edge. Overall, the Merlin XT is an attractive, manageable boat that should appeal to a wide range of paddlers." Rudder Free Design.

Merlin LT

Length 13.5 ft. Beam 23 in. Weight 42 lbs.
Cockpit 31.5 x 17 in. Volume 9.5 cu. ft. Capacity 325 lbs.
Material: Carbonlite 2000 or Modulus



A lightweight, sporty and easy to handle touring boat for beginner to advanced paddlers. This good tracking playful hull is barely effected by wind, accelerates easily and turns well when leaned. National Geographic Adventure " The Merlin is a delightful little boat - It's stable and fast for it's length, and boasts turn-on-a-dollar maneuverability even without a rudder. Ideal for weekend voyages, it holds more gear than many 16 footers." Rudder Free Design!

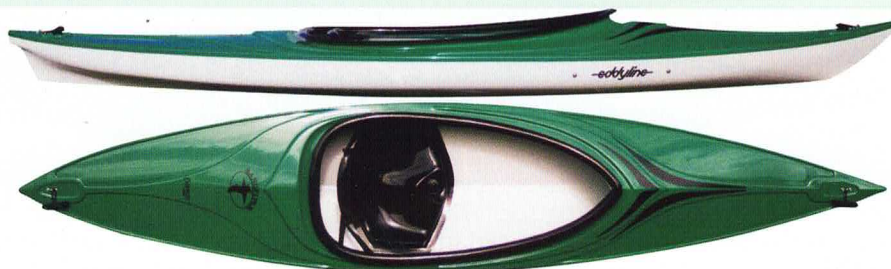
DESIGNS REDEFINING PERFORMANCE

Sandpiper

Length 12 ft.
Cockpit 48 x 22 in.
Material: Carbonlite 2000

Beam 28 in.
Volume 10.5 cu. ft.

Weight 35 lbs.
Capacity 350 lbs.



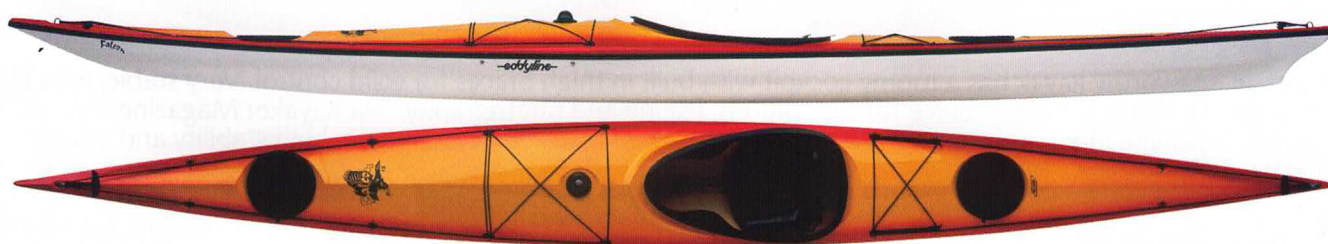
A short, lightweight and very stable family use kayak. This playful boat is perfectly suited for fishing, shore exploration, or as a handy and efficient tender on your larger boat. The Sandpiper has especially elegant styling and attractive deck detail with a high gloss, durable finish. Its large 48 inch cockpit makes getting in and out a breeze and can accommodate your groceries, laundry, tackle box, or a small passenger such as a child or your pet. The roomy interior coupled with a high degree of stability and ease of paddling is sure to please fishermen, photographers, gunkholers and even hunters. "Rudder Free Design"

Falcon 18

Length 18 ft.
Cockpit 31.5 x 17 in.
Material: Composite.

Beam 21 in.
Volume 11.1 cu. ft.

Weight 56 / 48 lbs.
Capacity 360 lbs



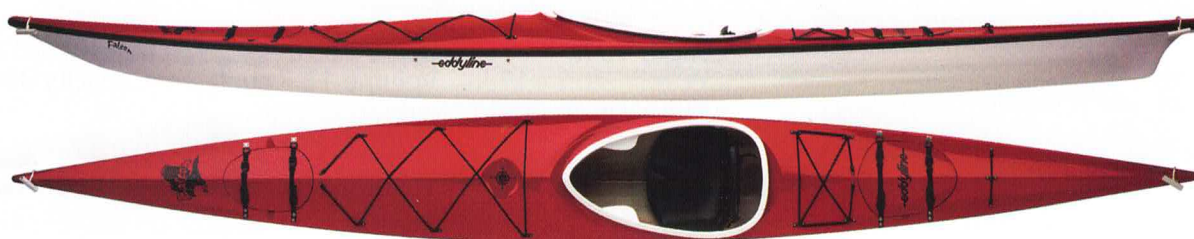
The Falcon 18 is a premier high performance, expedition worthy kayak that has few limitations in the world of Sea Kayaks today. Fully featured with a comfortable keyhole cockpit, recessed deck fittings, hatches, bulkheads and complete deck rigging, the Falcon 18 is one of our Rudder Free Design series of kayaks. The deep vee rockered hull design enhances fast efficient forward paddling with great immunity to wind. Sea Kayaker Magazine... "The Falcon 18 has excellent cruising speed and is comfortable making progress in rough water"... "Lightweight and extremely easy to carry" "Initial stability was surprisingly good for such a narrow boat"... "The narrow beam allows an efficient power stroke...accelerating to speed was extremely fast."

Falcon 16

Length 16 ft.
Cockpit 31.5 x 17 in.
Material: Composite

Beam 20.5 ft.
Volume 9.5 cu.ft.

Weight 45 / 40 lbs.
Capacity 310 lbs.

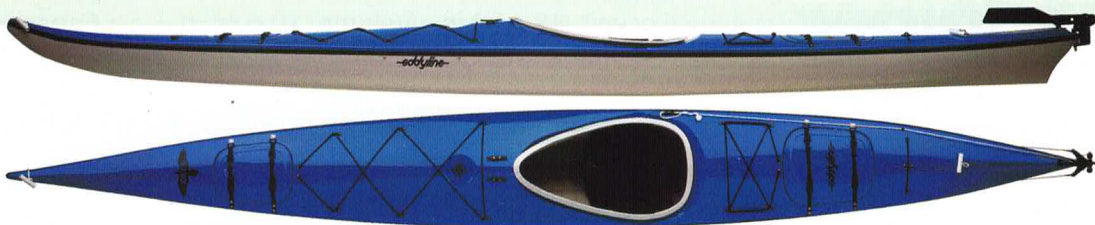


The knife sharp keel and precise balance of this beautiful kayak, makes it a strong tracker even in very rough conditions. In fact, the worse things get out there, the more the Falcon shines. The craft accelerates effortlessly and glides forever with little effect in wind. Designed to offer a high level of performance, we recommend it mainly for paddlers with intermediate or above skill levels. Sea Kayaker Magazine 1996 "The Falcon is fun, sporty, light and fast and great to surf....no problem with tracking in winds and little tendency if any to weathercock. For paddling pleasure, it holds its own with the best of them." Rudder Free Design.

INNOVATIVE TECHNOLOGY LEGENDARY

Raven

Length 16.75 ft. Beam 22 in. Weight 56 / 48 lbs.
Cockpit 31.5 x 17 in. Volume 11.8 cu. ft. Capacity 360 lbs.
Material: Composite



A delightfully responsive boat that skilled paddlers love for its playfulness and maneuverability. Its excellent secondary stability makes it friendly for beginners and the rocker hull makes surfing a joy. Outside Magazine "The Raven is kayakdom's equivalent to the best German sports sedan. ...it's the most responsive boat around." Sea Kayaker Magazine "Eddyline makes possibly the most beautifully finished and well-fitted boats on the market...Raven receives high marks for maneuverability, responsiveness and play in rough water and surf."

Wind Dancer

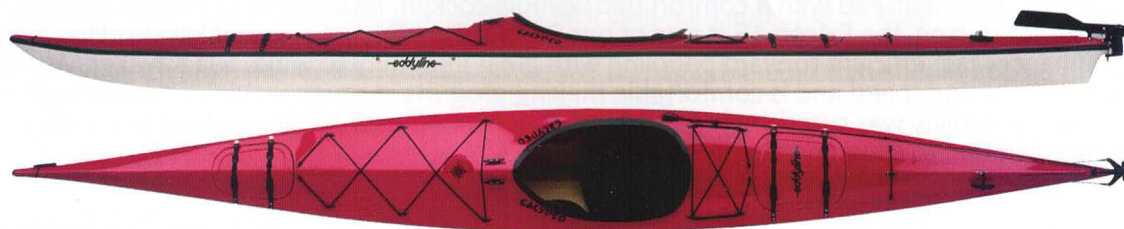
Length 17 ft. Beam 24.5 in. Weight 60 / 52 lbs.
Cockpit 35 x 16 in. Volume 14.6 cu. ft. Capacity 450 lbs.
Material: Composite.



This classic, seaworthy kayak has a roomy cockpit with built in thigh braces for solid control. Very stable, with high cargo capacity, this is the ideal choice for expeditions, fishing and photography. Sea Kayaker Magazine "Wind Dancer combines appealing looks and quality construction with good rough water handling, high stability and a lively performance."

Calypso

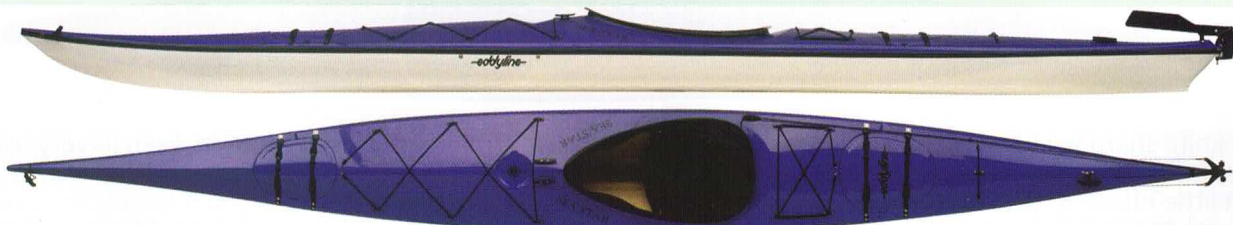
Length 16.75 ft. Beam 23 in. Weight 54 / 46 lbs.
Cockpit 30.5 x 16 in. Volume 10 cu. ft. Capacity 330 lbs.
Material: Composite.



The Calypso sports a relatively straight tracking, efficient hull that gives you ease in acceleration and good carving ability. Our small sized cockpit with molded in thigh braces provides exceptional control. While a smaller craft in volume, with careful packing this kayak is perfect for trips up to a week.

Sea Star

Length 18 ft. Beam 22 in. Weight 60 / 52 lbs.
Cockpit 31.5 x 17 in. Volume 12.7 cu. ft. Capacity 390 lbs.
Material: Composite



This may be the perfect marriage of performance, efficiency and stability. Straight tracking and fast, the Sea Star has abundant capacity for expeditions and really eats up the miles, whatever the conditions.

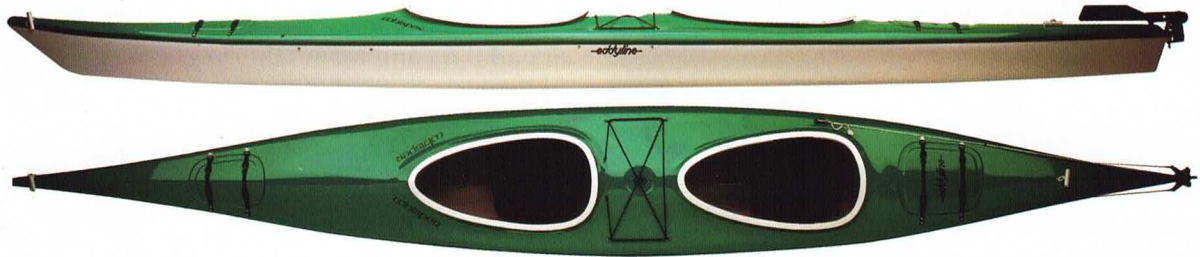
DESIGNS REDEFINING PERFORMANCE

Whisper

Length 19 ft.
Cockpit 35 x 17 in.
Material: Composite

Beam 30 in.
Volume 20.4 cu. ft.

Weight 85 / 70 lbs.
Capacity 600 lbs.



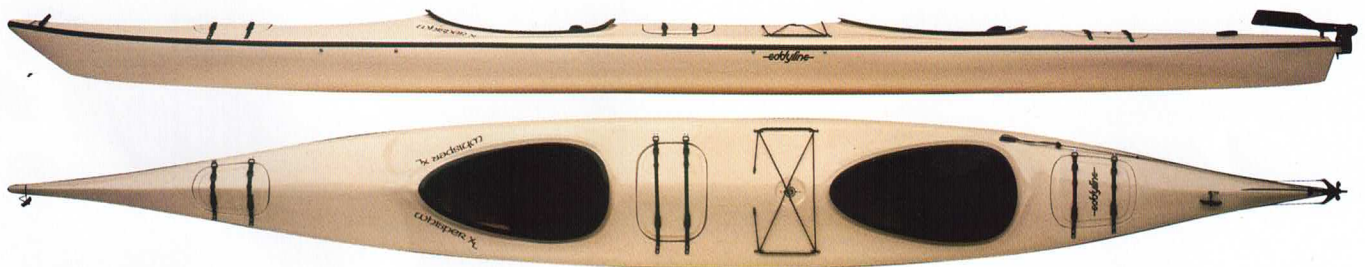
Light and nimble, the Whisper is a medium sized, lightweight double kayak that is easy to load and easy to paddle. It is equipped with bulkheads and hatches fore and aft, and sports our single line rudder for ease of use and good control. The cockpit spacing is close to make conversation easy, and the ride in the bow cockpit is drier than in most doubles. The cockpit placement makes this two person kayak handle better than others as a single!

Whisper XL

Length 21.5 ft.
Cockpit 35 x 17 in.
Material: Composite

Beam 30 in.
Volume 30 cu. ft.

Weight 95 / 80 lbs.
Capacity 750 lbs.



Fast yet stable, with ample storage for extended expeditions, the XL is an expedition ready kayak that will handle any conditions and do it in style. The XL has ample storage and the center bulkheaded compartment adds considerably to the safety, bouyancy and watertight storage capacity. The choice for Outfitters.

San Juan

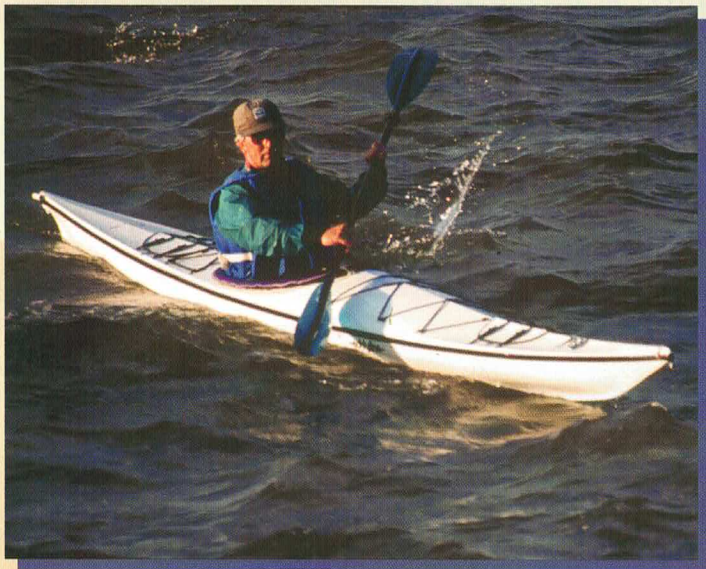
Length 20 ft.
Cockpit 35 x 17 in.
Material: Composite

Beam 32 in.
Volume 25.4 cu. ft.

Weight 95 / 80 lbs.
Capacity 750 lbs.



San Juan Grand Touring is our family cruiser with a large center cockpit to accommodate children, pets and additional paddler or enough gear to stay gone for a long time. The San Juan was also designed to be sailed with a Balogh rig especially designed for it. Truly a Grand San Juan! Canoe magazine " ...chosen by many as the best boat for families..stable enough for kids to stand up in yet speedier than most singles...it sets an early standard for a category we call cruise ships."



Designer's Statement

I founded Eddyline Kayaks in 1971. At the time I was an active whitewater paddler, frustrated at the difficulty of obtaining not just quality kayaks, but kayaks at all - most of which came from Europe. I began building my boats in a small shop in Boulder, Colorado. The word spread. Two years later we moved the company to Seattle, Washington.

Today, Eddyline is a composite of some 32 years experience in paddling and manufacturing. The efforts and thoughts of many excellent employees and the feedback and ideas of thousands of customers has been one of our most valuable resources.

Our commitment remains the same:

- * The design and innovation of the highest quality products from constant research, development and personal use.

- * To provide a healthful environment for our employees and that our methods are not harmful to the precious environment we live in.

Over the years Eddyline has created many landmarks in design, features and manufacturing technology within the kayak industry. Many of our innovations are now standard features or processes used by other manufacturers. It is a major point of pride for us that all Eddyline designs and Eddyline technology are original and unique.

My personal thanks to our excellent staff and the many customers, dealers and friends that have kept us going all these years and have provided much inspiration through their generous feedback.

Tom Derrer, president and founder
Eddyline Kayaks

eddyline

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