

eddyline

Legendary Designs



Since 1971

NIGHT HAWK 16



Charlie West

Length: 16 ft. LWL: 15 ft. Beam: 22 in. Volume: 10.2 cu. ft.
Cockpit: Keyhole, 31.5 x 17 in. Capacity: 330 lbs. Weight: CL 49 / Mod 49
Stability: Initial - Medium Secondary - High
Materials: Carbonlite 2000, Modulus

I am thrilled with the speed of the Night Hawk 16. I keep up, if not set the pace for even the longer 18 ft. boats. It carves well and turns on a dime. I feel I am in the right kayak for any job.
Steve S, Royal Oak, MI

The Night Hawk 16 is a performance kayak with moderate storage capacity. It features a recessed skeg, hatches, bulkheads and a keyhole cockpit along with our comfortable seat and three way adjustable backrest. The Night Hawk 16 uniquely combines speed with high maneuverability and aggressive carving ability. It is quite agile on its own but tracks like a rail with the skeg fully deployed. Even with the skeg, it fits the performance requirements of our designation, Rudder Free Design.

NIGHT HAWK 17.5

This is a great confidence inspiring boat for the big paddler. It is plenty fast enough to keep up, and stable enough that you can enjoy the ride when things get whipped up.
Chris E, Red Bank, NJ

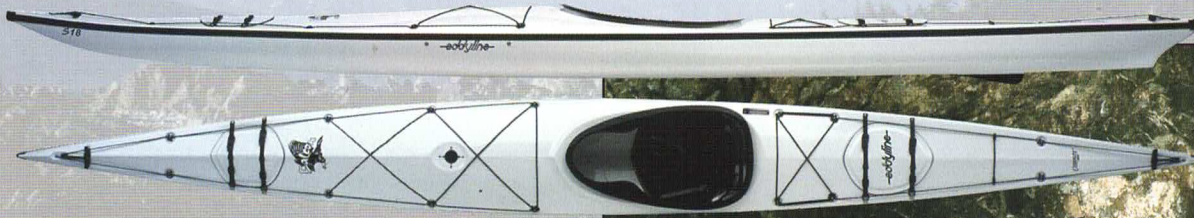
Length: 17.5 ft. LWL: 16.2 ft. Beam: 24.5 in. Volume: 16 cu. ft.
Cockpit: 35 x 19 in. Capacity: 500 lbs. Weight: CL 60 / Mod 60
Stability: Initial - High Secondary - High
Materials: Carbonlite 2000, Modulus



The Night Hawk 17.5 is an expedition capable kayak especially designed for the larger paddler, with a spacious cockpit, lots of room for gear, delightful performance, and a skeg! This kayak is extremely stable yet behaves like a performance kayak with high efficiency and excellent carving ability. It is equipped with rubber hatches, bulkheads, carrying toggles, reentry bungies, front deck lines and spare paddle holder. Rudder Free Design.



FALCON S18



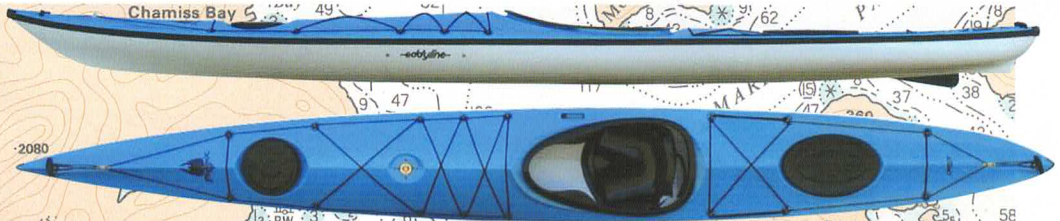
Finally in Carbonlite 2000, a Falcon 18 with larger flush hatches, and a skeg. This is the ultimate performance kayak with a comfortable keyhole cockpit, recessed deck fittings and complete deck rigging. The rounded, rockered hull design enhances stability, and has fast, efficient forward paddling with great immunity to wind. It is equipped with hatches, bulkheads, carrying toggles, reentry bungies, front deck lines and spare paddle holder. Rudder Free Design.



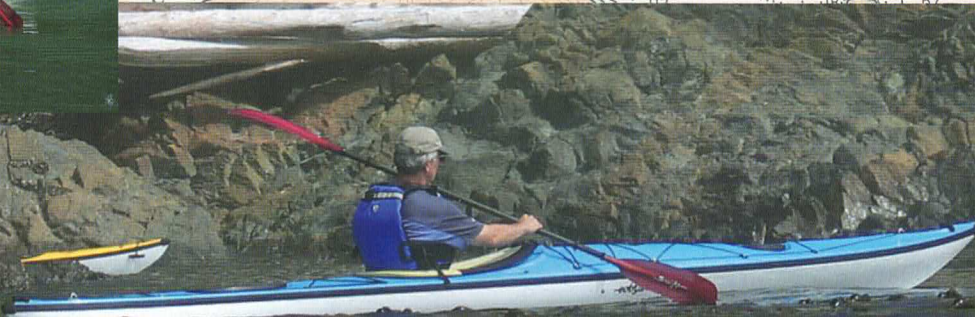
Length: 18 ft. LWL: 16.9 ft. Beam: 21 in. Volume: 11.1 cu. ft.
 Cockpit: Keyhole, 31.5 x 17 in. Capacity: 360 lbs. Weight: CL 50 / Mod 50
 Stability: Initial - Medium Secondary - High
 Materials: Carbonlite 2000, Modulus

The Falcon S18 tracks beautifully and is easy for me to turn, even in the wind. It is effortless to paddle with a secure feeling even in rough, confusing water. Everyone who sees it wants one. It's a beauty.
 Jim H, Harwitch, MA

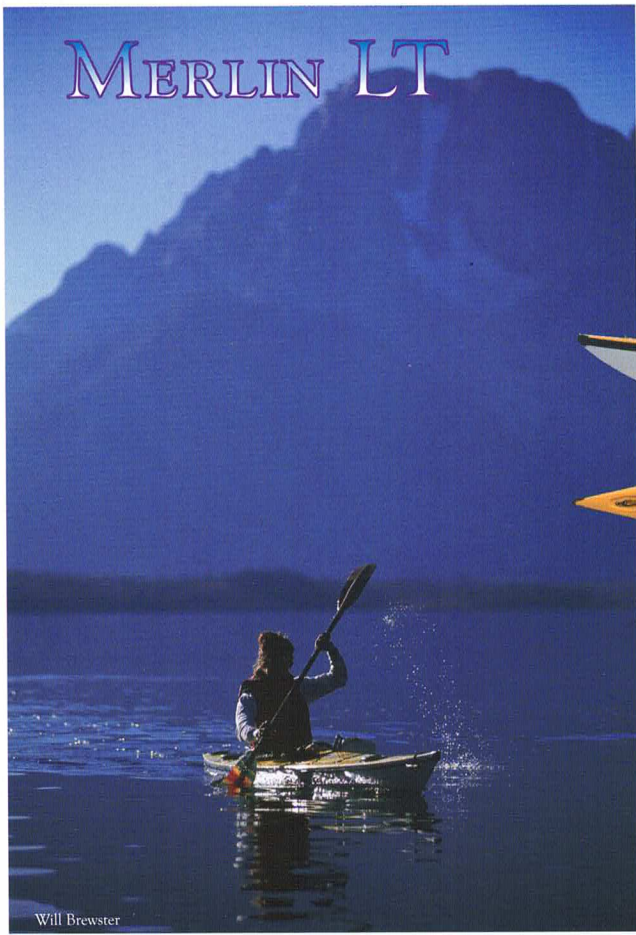
PHOENIX



Length: 17 ft. LWL: 15.9 ft. Beam: 22.5 in. Volume: 12.10 cu. ft.
 Cockpit: Keyhole, 31.5 x 17 in. Capacity: 400 lbs. Weight: CL 56 / Mod 56
 Stability: Initial - High Secondary - High
 Materials: Carbonlite 2000, Modulus



Our newest kayak, the Phoenix, is a roomy, expedition capable kayak. It is intended for medium to large paddlers or those who want an extra margin of stability or storage space. Its unique full volume swede form hull increases stability and maneuverability and, at the same time, enhances carving and edging performance. This boat tracks rigidly with its recessed skeg fully lowered but it remains remarkably sensitive to fine tuning for varying weather conditions with small skeg adjustments. The comfortable keyhole cockpit has sculpted thigh bracing that fits most people exceptionally well. The Phoenix is an easy kayak to paddle and a kayak that builds confidence without slowing skill development. Standard expedition outfitting includes enhanced deck rigging with more tie points, reentry bungi cords, perimeter lines and retracting carrying handles. This boat fits between the Night Hawk 16 and the Night Hawk 17.5. Rudder Free Design.

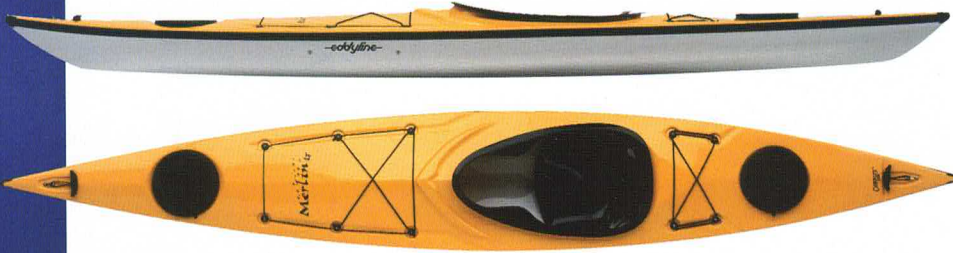


Will Brewster

MERLIN LT

Length: 13.5 ft.	LWL: 12.3 ft.	Beam: 23 in.
Volume: 9.5 cu. ft.	Cockpit: Keyhole, 31.5 x 17 in.	
Capacity: 325 lbs.	Weight: CL 42 / Mod 42	
Stability: Initial - High	Secondary - High	
Materials: Carbonlite 2000, Modulus		

For the money, there is no comparison in maneuverability, stability and comfort. The Merlin feels safe, stable and is extremely responsive.
Barbara D, Dunedin FL



The Merlin LT is a delightfully lightweight, sporty and easy to handle touring boat for beginner to advanced paddlers. This playful hull tracks well, is barely affected by wind, accelerates easily and turns well when leaned. It is capable of handling the most difficult conditions on the water with enough room for overnight or weekend trips. The Merlin LT is light and easy for smaller paddlers to carry. Standard outfitting includes hatches, bulkheads, carrying toggles, rear reentry bungs and front deck lines. Rudder Free Design.



Will Brewster

Merlin

MERLIN XT

Length: 15 ft.	LWL: 14 ft.	Beam: 23 in.	Volume: 11.3 cu. ft.
Cockpit: 35 x 19 in.	Capacity: 390 lbs.	Weight: CL 46 / Mod 46	
Stability: Initial - Medium	Secondary - High		
Materials: Carbonlite 2000, Modulus			

The Merlin XT tracks extremely well in strong, gusty winds, the seat is very comfortable and provides good back support and leg room is most generous. Leo L, Berkeley, CA

The XT is longer and deeper than the LT making it highly suitable to larger paddlers. It has substantially more storage capacity as well as a larger cockpit and seat. Still small and light enough to easily carry, this dry riding kayak is fast, with a performance hull that tracks straight and carves easily. Like the LT, it is indifferent to the wind, equipped with hatches, bulkheads, carrying toggles, reentry bungs, front deck lines and spare paddle holder. Rudder Free Design.



SANDPIPER

This is my 4th recreational kayak and it's the best!
Linda S, Jackson, WY

Length: 12 ft. LWL: 11 ft. Beam: 28 in. Volume: 10.5 cu. ft.
Cockpit: 48 x 22 in. Capacity: 350 lbs. Weight: CL 38
Stability: Initial - High Secondary - High
Materials: Carbonlite 2000



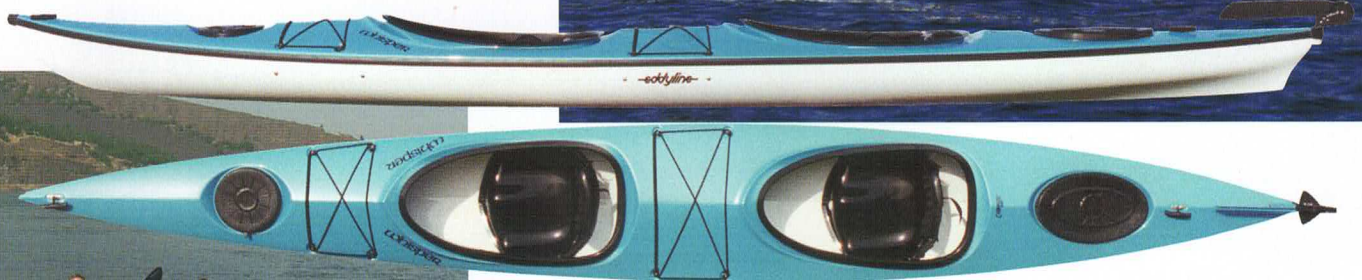
The Sandpiper is a short, lightweight and very stable family use kayak. This playful boat is perfectly suited for fishing, shore exploration, or as a handy and efficient tender on your larger boat. The Sandpiper has especially elegant styling and attractive deck detail with a high gloss, durable finish. 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.



I believe that if anyone is looking for quality in design, excellent control and fun in the water ... there is only one choice ... Eddyline!!! Helen L, Jacksonville, FL

WHISPER CL

Length: 18 ft. LWL: 17 ft.
Beam: 28 in. Volume: 20.4 cu. ft.
Cockpit: 35 x 19 in. Capacity: 600 lbs.
Weight: CL 73 / Mod 73
Stability: Initial - High Secondary - High
Materials: Carbonlite 2000, Modulus



The Whisper has long been a favorite double. Redesigned for Carbonlite 2000 construction, all the loved features have been retained or improved. This easy to use kayak sports large cockpits for easy access and improved comfort. The Whisper CL is a lightweight, easy paddling, easy carrying, easy talking two person kayak with a rudder. It comes fully equipped with hatches, bulkheads, carrying toggles, reentry bungs and front deck lines.



CONSTRUCTION

Throughout our 33 year history, Eddyline has been a leader of innovation in manufacturing and design technology. We continue this legacy with thermoformed Carbonlite 2000 and Modulus Technology. Each is described below, including some history of the development of each method. In every step of our design, development, building and finishing process, you'll see that great care has been taken to assure you of high performance. You can feel proud to own an Eddyline, knowing you have chosen the very best.

CARBONLITE™ 2000

In 1996 we gave "plastic kayaks" a whole new meaning with our Carbonlite 2000 technology. Carbonlite 2000 is a high performance co-extruded plastic laminate that is proprietary to Eddyline Kayaks. It is first formed into a two layer flat sheet with a "muscle" substrate layer and a highly UV resistant exterior layer. Using very high temperatures and vacuum, the sheet is formed into the top and bottom of a kayak.

Carbonlite 2000 brings the technology of plastic kayaks to an entirely new level of performance. Eddyline pioneered this technology and Carbonlite 2000 is an Eddyline exclusive. Our material looks and performs like fiberglass with clear advantages over other plastics: dimensional stability and increased stiffness, higher heat distortion temperatures, hard glossy "non fuzzing" finishes with excellent abrasion and impact resistance, easy repairability, superior UV resistance and lighter weights. Carbonlite 2000 is extremely tough, but it is also easily repaired in the event of an accident. It has endured the test of time in the hands of many paddlers, liveries and tour operators and is highly suitable for nearly all kayak applications.

Eddyline is committed to manufacturing in an environmentally responsible manner. Carbonlite 2000 is 100% recyclable (as are the bulkheads, cockpit and seat), all scrap plastic is recycled and virtually no waste is generated.

MODULUS TECHNOLOGY

In 1974, Tom Derrer was the first to apply a technology developed by NASA to the construction of white water kayaks. The vacuum bag method of laminating fiberglass effectively increases the glass to resin ratio in a fiberglass laminate, increasing strength and reducing weight. Traditional fiberglass construction utilizes a gel coat layer, which is simply a colored resin layer that provides UV protection and color only. This layer equals nearly 20% of the kayaks weight and provides no strength. Today virtually all fiberglass kayaks are built with this method. In 2000, Eddyline developed yet another innovation in composite construction - Modulus Technology.

Modulus Technology is by far the most sophisticated composite construction available today. This high tech composite consists of an abrasion resistant Carbonlite 2000 skin (replacing the gel coat) backed up by vacuum bagged layers of aircraft glass, carbon fiber and Vectran fiber (previously Kevlar). Vectran fiber, developed by the Celanese Corporation for NASA, was recently used in the landing assist balloons on the Mars Lander. Vectran is a unique fiber of high tensile strength somewhat similar in nature to Kevlar, but with some important differences. Vectran fiber does not creep (stretch) and does not wick moisture eliminating the discoloration and tendency to delaminate that occurs with Kevlar. Further, we have combined this Vectran fiber into a co-weave with carbon fiber (graphite) to produce a superior composite increasing both stiffness and strength.

The resulting composite is unique in that every single component contributes to structural integrity. Modulus Technology is a process exclusive to Eddyline and a breakthrough in kayak construction. Modulus composite construction is for the demanding paddler who wants the best in strength to weight performance.

MODULUS EXTREME: In today's world of extreme sports, there are always a handful of elite paddlers that need something extraordinarily strong. Previously, the opinion has been that heavy hand laid resin rich construction was necessary. Not so any more. For this elite group of extreme paddlers, we offer a lighter alternative to those heavyweight bomb-proof kayaks. Available by custom order, Modulus Extreme uses the same advanced technology to create a virtually indestructible kayak at a weight far below the hand laid, resin rich competition and at a comparable cost or less. These kayaks have extra strength Modulus decks and hulls and inside fiberglass seams added to the normal extruded seam structure.

RUDDERS, SKEGS AND "RUDDER FREE DESIGN"

Rudders have been used for years to compensate for variations in hull performance in windy and rough sea conditions. Unfortunately they are often used to cover up a poor design effort as well, since a rudder overrides the hull natural behavior in the water. Beginners often like rudders because they feel they have control of the kayak more quickly. The down side of this is the paddler is deprived of the need to develop paddle control and the skill development so essential to safety is impeded. Rudders come with another somewhat hidden price tag. They add windage, increased wetted surface and wave and eddy-making drag. When used to "steer" or correct for wind or unbalanced loads, the loss of efficiency is even greater. While Eddyline has used rudders on our single kayaks in the past (double kayaks will always need rudder assistance), we are now able to create hulls that are so well balanced in buoyancy and windage that rudder control is no longer necessary. We dub these hulls "Rudder Free Designs".

Now comes the skeg. This is a very different animal than a rudder. Mechanically simpler, a skeg is a tracking device, not a steering device. It can be used to correct for any unbalance in loading and allows for the creation of a "variable" performance hull. This lets the designer create a balanced hull that has more inherent maneuverability with the skeg retracted and still have great tracking with the skeg down. Skegs add a slight bit of wetted surface when used, but no windage or other correctional drags associated with rudders. Subtle adjustments of the skeg allow the paddler to eliminate the need for correctional strokes in variable weather and wave conditions, thereby focusing energy on getting to the destination. You will notice that we do not offer skegs on kayaks under 16 feet in length. This is because shorter boats are easier to control in all conditions and a skeg does very little to increase performance.

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 materials used in kayak construction today: Polyethylene, Carbonlite 2000 and Modulus. Figures are relative comparisons based on averages from material manufacturers for each type of material.

PERFORMANCE

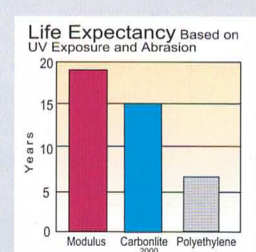
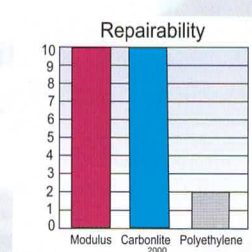
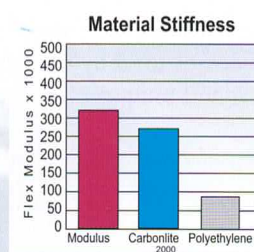
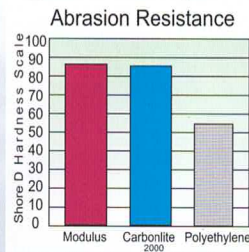
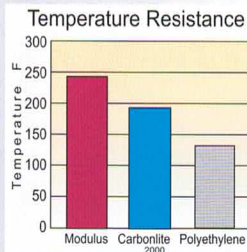
Temperature resistance: This chart shows how well your material will hold up in the heat. Temperatures on top of your car easily reach 150 degrees or better during the summer.

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.

Repairability and Longevity
How easy is it to repair your kayak and how well do the repairs work?

Are you getting the best value for your dollar?



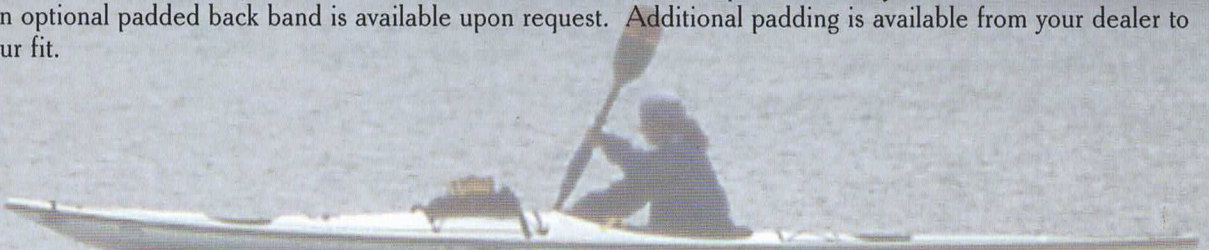
INTEGRAL SAFETY AND COMFORT

Maximum buoyancy is provided in both ends of the kayak by a sealed bulkhead fore and aft of the cockpit. (the Sandpiper has foam pillars that provide flotation). Access is provided through special hatches specific to each kayak design and the bulkheads are vented to prevent pressure buildup from changing temperatures. These compartments are vitally important, making reentry into the kayak possible in the event of a capsiz.

Eddyline also provides reentry bungies on the rear deck of all singles (See individual models for specific details). 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 than a common paddle float and always available.

The 2 point lines on the stern deck will hold a spare breakdown paddle. Bow deck lines can hold your chart or hand pump. (all kayaks except the Sandpiper). There are perimeter lines on the deck of all singles 16 ft. and longer. The compass recess on some models is located to allow easy reading of a tactical compass and still allow for a chart on the foredeck.

Comfort in the kayak is important to your paddling pleasure. While no single cockpit design will satisfy everyone, Eddyline seats and backrests are designed with maximum adjustability 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 position. The backrest has three height positions to suit your needs. The backrest and seat sides are padded with nylon covered foam for additional comfort and support. An optional padded back band is available upon request. Additional padding is available from your dealer to completely customize your fit.



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 33 years experience in paddling and manufacturing. The efforts and thoughts of many excellent employees and the feedback and ideas of thousands of customers have been some 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 technologies are original and unique.

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

Tom Derrer, president and founder
Eddyline Kayaks

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