



LASER 4.7   LASER RADIAL   LASER



# The Laser: A Simple Success Story

**The Laser is a true sailing phenomenon.** With nearly 200,000 boats in 140 countries, it is clearly the world's most popular adult and youth racing sailboat. Each year the Laser Class runs more races worldwide than any other class. And it's still going strong!

For almost four decades, the Laser has been a sailing success story. One reason is the boat's sheer simplicity. From its very beginning, the Laser has offered an uncomplicated way for sailors to experience the joy of sailing and the thrill of competition. Many other qualities combine to make the Laser a legendary performer.

**Effortless design.** The Laser was created to get sailors on the water with minimal fuss. It has a lightweight hull that's easy to carry and cartop. The two-part free-standing mast and sleeved sail make the boat easy to rig. And the simple layout means sailing is a breeze.

**Pure class.** The Laser is one-design boat like no other. The class association is very strong and has strict class rules, so every Laser around the world is identical. This means races are won by sailing ability, not by equipment advantages.

**Interchangeable formula.** The Laser comes in three distinct models – the full-rig Laser, Laser Radial and Laser 4.7. Each uses exactly the same hull and equipment, except the sails and bottom spar can be changed to fit a wide variety of sailors. This offers a unique step-by-step progression that makes it easy to switch models as a sailor changes in age, ability or weight.

**Racing pedigree.** Because Lasers are simple and identical, they provide exciting competition and a great chance to develop racing skills. Many of the world's top sailors come through the Laser ranks, and both the Laser and Radial are current Olympic classes. No sailor is too inexperienced or too advanced to race a Laser. That's why Lasers last a lifetime.

**Superb value.** The Laser's simplicity, popularity and one-design nature make it very economical. The International Laser Class Association limits and controls go-fast extras, thus the boat will never be outdated, which explains why Lasers have such a high resale value.

Whether it's a local club race or the World Championships, every Laser has exactly the same chance of winning. And a young sailor can go all the way to the top of the sport in the same hull. That is Laser's simple formula for success.

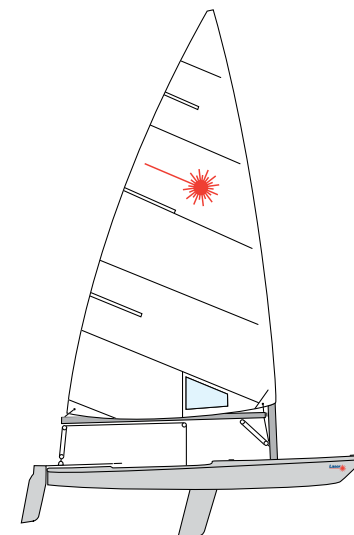


**WHEN IT COMES TO EXHILARATING SPEED,  
I THINK LASER.**

#### SPECS

LENGTH FT/M	13.78	4.20
BEAM FT/M	4.56	1.39
DRAFT FT/M	2.62	0.80
SAIL AREA FT <sup>2</sup> /M <sup>2</sup>	75.99	7.06
HULL WEIGHT LB/KG	130.00	58.97
CAPACITY	1-2 PEOPLE	
SKILL LEVEL	BEGINNER-EXPERT	
RACE LEVEL	CLUB-OLYMPIC	
OPTIMAL WEIGHT LB/KG	160/190	73/86
TRANSPORT	CARTOPPABLE	

# Laser



### *The world's premier racing dinghy.*

The Laser was designed in 1969 and quickly revolutionized the racing world with its speed and simplicity. Today this timeless design is by far the most popular adult and youth racing boat worldwide. It is raced by many of the world's top sailors and has been an Olympic class since 1996. The Laser's full-size rig rewards athleticism and is best for heavier, more experienced sailors, but it can easily be converted to a Radial or 4.7 by changing just the sail and bottom spar.

- World's most popular adult racer
- Raced by the world's top sailors
- Fast planing hull
- Retains excellent resale value
- Easy to transport on most cars
- Quick to rig and launch
- ISAF international class
- Strict one-design rules
- Extensive regatta schedule: local- worldwide





**WHEN IT COMES TO PURE ONE-DESIGN SAILING,  
I THINK LASER.**



#### SPECS

LENGTH FT/M	13.78	4.20
BEAM FT/M	4.56	1.39
DRAFT FT/M	2.62	0.80
SAIL AREA FT <sup>2</sup> /M <sup>2</sup>	62.00	5.76
HULL WEIGHT LB/KG	130.00	58.97
CAPACITY	1-2 PEOPLE	
SKILL LEVEL	BEGINNER-EXPERT	
RACE LEVEL	CLUB-OLYMPIC	
OPTIMAL WEIGHT LB/KG	121/159	55/72
TRANSPORT	CARTOPPABLE	

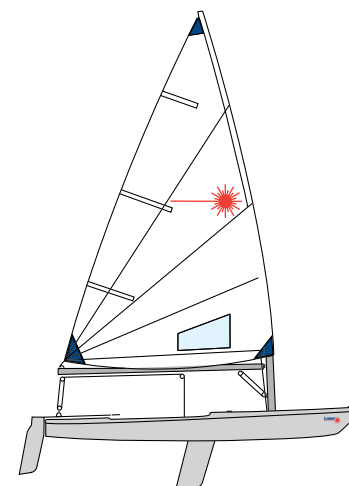
#### *The most popular mid-size singlehander.*

The Laser Radial rig was designed to make the Laser less overpowering for lighter sailors.

It uses a smaller radial-cut sail and a shorter, bendier bottom spar that makes the boat easier to race for small adults, women and youth. The rest of its equipment is exactly the same as the full-rig Laser and 4.7. The Radial has a full schedule of regional and international regattas and was selected as the women's single-handed class for the Olympics.

- New Olympic class for 2008
- Modern radial-cut sail
- Good size for youth and small adults
- Teaches sensitivity and feel
- Easy to transport on most cars
- Quick to rig and launch
- ISAF international class
- Strong local class associations
- Strict one-design rules
- Extensive regatta schedule: local-worldwide

# Laser Radial







**WHEN IT COMES TO BIG-FLEET COMPETITION,  
I THINK LASER.**

#### SPECS

LENGTH FT/M	13.78	4.20
BEAM FT/M	4.56	1.39
DRAFT FT/M	2.62	0.80
SAIL AREA FT <sup>2</sup> /M <sup>2</sup>	50.59	4.70
HULL WEIGHT LB/KG	130.00	58.97
CAPACITY	1-2 PEOPLE	
SKILL LEVEL	BEGINNER-EXPERT	
RACE LEVEL	CLUB-INTERNATIONAL	
OPTIMAL WEIGHT LB/KG	100/120	45/54
TRANSPORT	CARTOPPABLE	



**The Laser for younger and lighter sailors.** The Laser 4.7 offers up-and-coming sailors a unique chance to develop their skills in the same hull that's used for the Olympics. With 19% less sail area than the Radial and a shorter pre-bent lower mast, the Laser 4.7 is easier to depower and more manageable. This makes it perfect for Optimist graduates and other light sailors. When age, ability or size means it's time to move up from the 4.7, a new sail and lower spar easily turn the boat into a Radial or full-size Laser.



- Next step after the Optimist
- Ideal trainer for Radial and Laser
- Easy to transport on most cars
- Quick to rig and launch
- ISAF international class
- 250 boats at recent world championship
- Excellent tactical trainer
- Teaches sensitivity and feel
- Strong local class associations
- Extensive regatta schedule: local-worldwide
- Strict one-design rules

# Laser 4.7



**WHEN IT COMES TO LIFELONG FUN AND RACING,  
I CHOOSE LASER.**



## Three boats in one.

When you race a Laser, one hull goes a long way. By changing just the lower spar and sail, you can convert any boat from Laser to Radial to 4.7.

The advantage of this interchangeable formula is that you can easily switch boats as you become older, heavier or more experienced. Each rig helps you prepare for the next, so you get a step-by-step progression that can take you all the way from beginning racer to World Champion!

## Customize your Laser.

Once you pick a Laser, Radial or 4.7, there are several ways to make the boat fit your particular sailing requirements. Each model comes in three configurations – **Standard**, **Race** or **XD** – so you have more choice in selecting the level of equipment for your hull. With three models and three versions of each, you can choose your Laser nine ways!

### **Standard**

The Standard version includes all the basic gear you need to start racing the day you buy your boat.

### **Race**

The Race version provides equipment upgrades for sailors who want to step up their game.

### **XD**

The XD version includes equipment specified by some of the world's top Laser sailors for competition at the highest levels.

The Standard, Race and XD all come with the same hull, mast, boom, sail, rudder and daggerboard. The upgraded gear that comes with the Race or XD version or both includes: outhaul system, cunningham system, vang system, hiking strap, mainsheet cleats, traveler line, tiller, tiller extension, rolled sail, mainsail ratchet block, mainsheet, rudder bolt. To see a detailed equipment list for each version, visit [laserperformance.com](http://laserperformance.com)





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