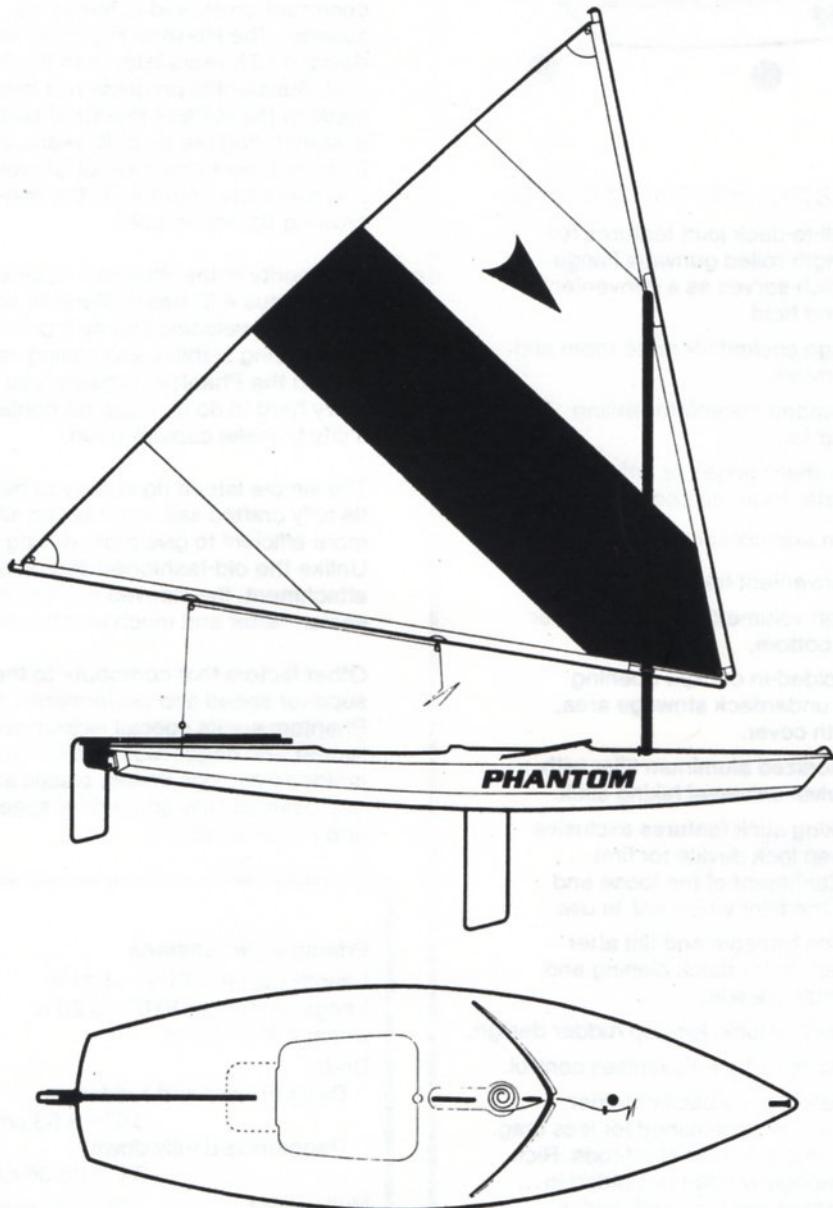


# 30 Ways Better and 30 Years Ahead . . .

## PHANTOM® One Design Daysailer/Racer



When the people of Howmar designed and built the Phantom, they had a goal plus the know-how and experience to make it happen. The pay-off is the Phantom's 23 unique features that provide more excitement, comfort and performance. That the Phantom is 25 years ahead of the pack in technology, construction and quality should come as no surprise. She was designed 25 years later than her closest rival. Tremendous progress has been made in the state-of-the-art of sailboat design during the past 25 years and the Phantom incorporates it all. That's why the Phantom is the world's fastest growing One Design Daysailer/Racer.

### Principal Dimensions:

Length overall	14'1½"	—4.3053 m
Length waterline	10'6"	—3.2004 m
Beam	4'5"	—1.3462 m

### Draft:

Daggerboard and rudder up	3¾"	—9.525 cm
Daggerboard fully down	34"	—86.36 cm

Hull weight	120 lbs.	—54.4320 Kg
Vertical stem height	12"	—30.48 cm
Transom width	2'6"	—76.2 cm

### Cockpit dimensions:

Length	32"	—81.28 cm
Width fwd.	28"	—71.12 cm
Width aft.	24¾"	—62.865 cm

### Lateen Rig:

Sail Area	84.5 sq. ft.	—7.85 m <sup>2</sup>
Luff	13'1"	—3.9878 m
Foot	13'6"	—4.1148 m
Leech	14'3"	—4.3434 m

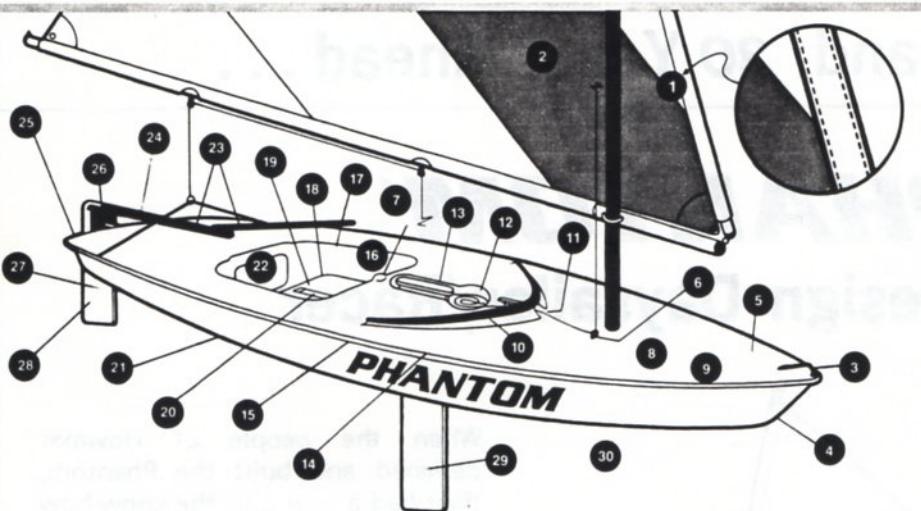
Spars, fittings and hardware are durable marine grade stainless steel, aluminum or reinforced plastic.

Hull is rugged reinforced fiberglass laid up by hand with built-in foam floatation.

AUTHORIZED DEALER

Phantom and the Phantom Mark

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## Exclusive Features for Fun and Performance

1. modern rig features sleeved luff and foot which wraps around spars to increase aerodynamic efficiency... no drag gap between the sail and spar caused by other methods of attachment... minimizes wear on stress points for maximum sail life. Easy to rig.
2. eye strap on upper boom holds the halyard in place to minimize chafing on sail.
3. exclusively styled bow lifting handle mounted forward provides a comfortable hand hold as well as a secure mooring line mount.
4. sharp forward entry for better upwind performance.
5. high bow design minimizes submarining in a blow or in a seaway.
6. all hardware bedded for water-tight integrity and backed with aluminum base plates for maximum strength.
7. molded-in aluminum backing plate for optional mainsheet jam cleat installation.
8. foam flotation built into hull for optimum buoyancy.
9. rigid reinforcements within the hull provide structural integrity.
10. molded-in coaming with black vinyl cap to deflect spray.
11. halyard passes through coaming so sail can be easily raised and lowered from cockpit.
12. molded-in well for convenient halyard stowage.
13. daggerboard recess for flush deck fit.
14. full 4'5" beam for greater stability.

15. hull-to-deck joint features full length rolled gunwale flange which serves as a convenient hand hold.
16. large cockpit for more room and comfort.
17. rounded cockpit for sailing comfort.
18. no sharp edges or unfinished surfaces in the cockpit.
19. non skid cockpit surface.
20. convenient hiking strap.
21. high volume cockpit self-bailer in bottom.
22. molded-in cockpit opening to underdeck stowage area, with cover.
23. anodized aluminum tiller with swivel universal hiking stick.
24. hiking stick features exclusive snap lock device for firm attachment of the loose end to the tiller when not in use.
25. wide transom and flat after section for quick planing and faster speeds.
26. positive lock, kick-up rudder design.
27. spade rudder maximizes control.
28. high density plastic rudder blade is streamlined for less drag. Reinforced with steel rods. Rich mahogany color is molded in... Cannot peel or crack and is maintenance-free.
29. high density plastic daggerboard is hydrodynamically shaped for efficiency. Like the rudder, it's tough and maintenance-free. Rich mahogany color is molded-in.
30. exciting hull and sail graphics available in eye-catching models.

## 30 ways better and 30 Years ahead!

When Howmar introduced the Phantom, they had a goal, plus the know-how and experience to make it happen. The pay-off is the Phantom's 30 unique features that provide more excitement, comfort and performance.

That the Phantom is 30 years ahead of the pack in design, technology, and construction should come as no surprise. The Howmar Phantom was designed 25 years later than its closest rival. Substantial progress has been made in the state-of-the-art of sailboat design during the past 30 years, and the Phantom incorporates it all. Maybe that's why the Phantom is the fastest growing daysailer/racer.

Superiority of the Phantom begins with a generous 4'5" beam. Parents and beginners welcome this as it provides outstanding stability and sailing ease. Should the Phantom capsize (you have to try hard to do it), it can be righted in a jiffy to make capsizing fun.

The simple lateen rig is easy to handle. Its fully drafted sail and sleeved luff is more efficient to give more driving power. Unlike the old-fashioned clip-on sail attachment, the sleeved method is easier, faster and much less trouble.

Other factors that contribute to the superior speed and performance of the Phantom are its special kick-up spade rudder and daggerboard. Both are molded from high impact plastic and hydrodynamically shaped for speed and maneuverability.

### Principal Dimensions

Length overall	14'1½"	—	4.31 m
Length waterline	10'6"	—	3.20 m
Beam	4'5"	—	1.35 m
Draft:			
Daggerboard and rudder up			
3¾"	—		9.53 cm
Daggerboard fully down			
34"	—		86.36 cm
Hull weight		120 lbs.	—
Vertical stem height		12"	—
Transom width		2'6"	—

### Cockpit dimensions:

Length	32"	—	81.28 cm
Width fwd.	28"	—	71.12 cm
Width aft	24¾"	—	62.87 cm

### Lateen Rig:

Sail Area	84.5 sq. ft.	—	7.85 m <sup>2</sup>
Luff	13'1"	—	3.99 m
Foot	13'6"	—	4.11 m
Leech	14'3"	—	4.34 m