

# Broom News 1997

Published annually by the longest established builder of Power Boats in Great Britain - C. J. Broom & Sons Limited

## THE OCEAN 38 COASTAL CRUISER

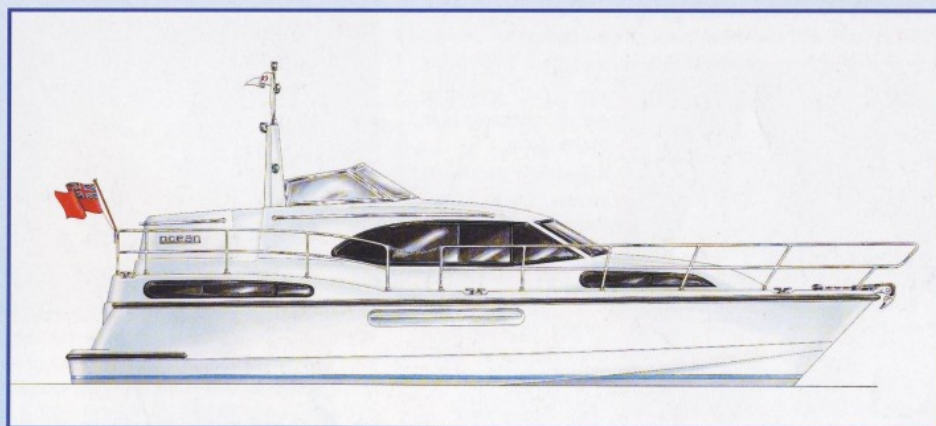
Brooms determination to stay at the forefront of design and innovation for the serious cruising yachtsman continues with the launching of a new design concept as an addition to their two ranges of motor cruisers for 1997.

Designed by Andrew Wolstenholm to bridge the gap between their Fast Offshore Range and the Ocean Coastal Range, the new Ocean 38 will be equally at home on the sea or cruising on inland waterways, yet have a 20 knot plus performance.

Available with either a single, normally aspirated 135hp Sabre Perkins diesel for displacement speeds, but when fitted with a pair of Volvo TAMD41Ps (2 x 200hp), the '38' will do in excess of 20 knots and be able to cruise at around 15 knots.

The design incorporates a good size keel which protects the rudders and propellers, gives good steering at slow speeds and has the added advantage of allowing the boat to take the ground in harbours that dry out.

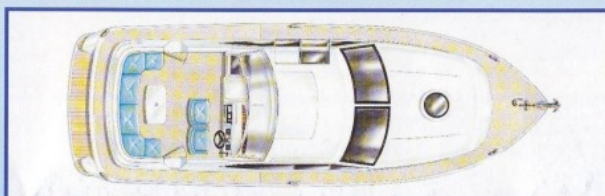
The mast easily lowers down to allow passage under the lowest bridges whilst the wide all-round



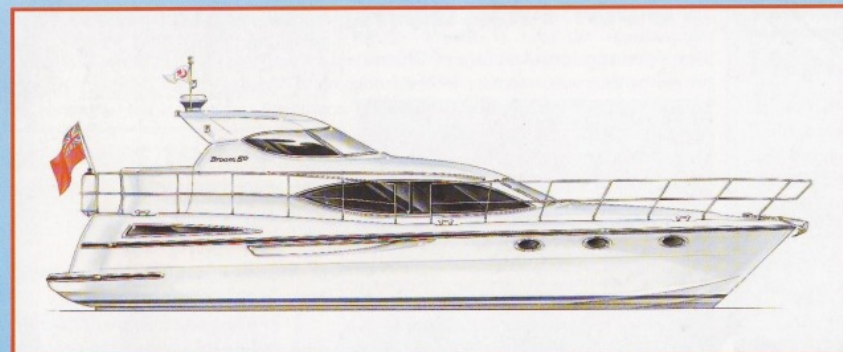
side decks without any steps makes for easy and safe handling. A sliding door to the port side of the deck lounge is a further safety feature.

The generous beam allows for the accommodation to provide the usual Broom spacious aft cabin plus two toilets, a separate shower stall, a raised deck lounge plus a full size dinette on the same level as the galley.

A further distinctive feature is the aft deck cockpit enclosed by side doors which makes the area very safe for small children and pets.



## Broom 50 THE BIGGEST BROOM YET



As Brooms approach their centenary, they are proving their commitment to the future by building the biggest Broom yet. A 50 footer of majestic proportions, this new design incorporates all those years of experience and knowledge acquired from building serious cruising boats for the most discerning owners.

The hull is designed by John Bennett with whom Brooms have been associated for nearly 30 years, thus ensuring the '50' will have the finest seagoing qualities. To ensure that the latest style features are incorporated into the overall design, Design Solution Associates are advising on both the exterior and interior detailing.

An aft cabin boat in the finest Broom tradition, the '50' will have a choice of deck layouts. For starters, there will be a hardtop for the command position and this will have an electrically operated sunroof or, if preferred, an open steering position with the usual hood attached to the radar arch will be provided.

A further choice will be offered with the aft deck seating and access. One option having the seating incorporated in the dodgers to maximise the deck area as the Broom 41. The alternative, has the side decks running right round the boat, including across the transom, and the seating set inboard to form an enclosed cockpit configuration.

## Broom 41

The Broom 41 Fast Offshore is the result of Brooms many years developing the aft cabin cruising boat. One of the first companies to incorporate the full width aft deck concept, this formulae has now been refined further by incorporating the seating into the dodgers, to give a very large outside living area on one level.

Further refinements to 1997 models are the full width hoop mast which supports a two-piece hood and sun awning if required.

Incorporated with the mast is a radar arch which folds down independently of the mast and hood.

Lastly, but of most importance, the '41' is now available with the option of a full size dinette outside the deck saloon and on the same floor level as the galley.



C. J. Broom  
& Sons Limited  
Brundall, Norwich  
Norfolk NR13 5PX  
England.

Telephone:  
(01603) 712334  
Fax:  
(01603) 714803

# ABOUT Broom

Brooms is the longest established power boat builder in Europe and is still controlled by the Broom family. The group consists of three main companies:

Broom Boats Ltd. with four divisions, builds the Broom and Ocean range of motor cruisers, provides extensive maintenance and service facilities, manages the Marina at Brundall and operates one of the largest hire fleets on the Norfolk Broads.

C. J. Broom & Sons Ltd. is the Sales Company for the Broom and Ocean range plus, it operates a specialist brokerage section specialising in the sale of used Broom and Ocean craft, and also other quality motor yachts.



A Broom motor yacht built in 1965

Aquafibre Ltd. looks after the moulding and development side of the group.

Recently, the well known journal, Motor Boats Monthly, published an article describing the history of Brooms.

Copies are available from Broom's office at Brundall -  
Tel: 01603 712334

## THE PRODUCTION TEAM

Brooms boat building production is carried out by two divisions. The fibreglass hulls and superstructures are manufactured by Aquafibre, a company within the Group and the building and fitting out is done at the Brundall factory under the control of Jack Rice, the production manager (seen left in our picture), who has been with the company for 26 years, having come from the shopfitting and joinery industry. Jack is supported by his assistant manager Ray Meeks, who has served 27 years since joining the company as a teenager.

In addition to the day-to-day management, Jack is responsible, together with Martin Broom, for the detailed planning of all new models and his knowledge and experience of joinery manufacturing, plus his desire to continually improve the quality of the product is evident in each new boat.



## BROOM BROKERAGE DIVISION

The specialist Brokerage Division which the company operates from a section of their marina at Brundall continues to grow. The Sales Office has been further expanded and additional staff recruited to cope with the increasing demand for the good selection of quality used motor cruisers that Brooms now offer. Naturally, the majority of these craft are often Brooms and Oceans, which are offered for sale because owners are purchasing another Broom, either new or second hand.

The company has successfully developed schemes for making it possible for two, three or more boats to be sold in a chain, so a number of owners can upgrade their Brooms at the same time, thus avoiding being without a boat.

The success of the Brokerage Division is, of course, dependent on having a good selection of quality boats always available, so for owners who wish to either sell or purchase, please contact Brooms on 01603 712334.



The brokerage team is managed by Paul Pardon, who has many years experience of both selling and handling boats. Paul and his team will be pleased to deal promptly with all your enquiries.

The picture shows a Broom 12 metre, a model always in demand.

## News from the Boatyard Division

The Maintenance and Service Division of Brooms is growing year by year and to cope with the demand, a brand new service centre has been built during 1996 which is now fully operational. Designed to handle motor cruisers up to 50 foot (13 metres), with sufficient headroom to accommodate boats with their masts up, this



will enable the company to carry out repairs, refurbishment and servicing under ideal conditions. In addition, Brooms have a number of heated wet docks where boats can be worked on whilst in the water.

For full details of Brooms Marina and Boatyard Services, please contact Andrew Stone, Customer Services Manager, or Colin Boast, Boatyard Manager on 01603 712334.

## HIRE FLEET NEWS FOR 1997

Brooms operate one of the largest and best maintained hire fleets on the Norfolk Broads.

New boats are continually being introduced to the fleet as the older craft are withdrawn. 1997 will see a new Commodore Bridgemaster to meet the demand for these popular boats, and three more Cadets will join the fleet.

Please 'phone 01603 712334 if you require a copy of the latest fleet news sheet.



## Brooms top again in Premier Boat Handling Competition

The superior manoeuvrability of Broom and Ocean boats was again emphatically proved by their success at the 1996 Association of Thames Yacht Clubs 43rd Annual Rally held at Henley. Breezy weather conditions added to the demands of seamanship in last year's event.

The major team prize, the Motor Boat & Yachting Jubilee Trophy was won by a pair of Broom 37 Crowns, whilst the overall individual winner was also a Crown 37. In addition, four of the top six places went to Brooms and Ocean. Our congratulations to all the helmsmen and crews of the following:-

The winner	'Petalovia'	Broom 37 Crown	Motor Boat & Yachting Jubilee Trophy Team Prize
3rd place	'Zontina'	Broom 37 Crown	
4th place	'Barbarina K'	Ocean 42	'Petalovia' Broom 37 Crown
5th place	'Gold Coast'	Broom 37 Crown	'Zontina' Broom 37 Crown
Special Family Trophy	'Barbarina K'	Ocean 42	



Broom 37 Crown

# ABOUT aquafibre

Broom's associate company, Aquafibre Ltd. plays a vital, if often unsung role within the Broom Group of companies. Originally founded in 1965 by a consortium of Norfolk boat builders, Aquafibre is now fully integrated within the Broom group under the directorship of Martin Broom and Ben Mackintosh.

Apart from a period in the 70's and early 80's when the company built and marketed the famous Ocean 37 and Ocean 42 models, the company has specialised in the development of new models and the manufacture of G.R.P. hulls, superstructures and components.



Ocean 37

## Larger Broom models

The company's main factory is situated on a 10 acre site on Rackheath Industrial Estate, some 5 miles from Brooms at Brundall. In addition to the large production area, the site stores literally hundreds of mould tools that produce the boats and components for the current Broom and Aquafibre ranges as well as some old classics like the Broom and Ocean 30's and the Broom 37 Crown which can still be produced.

Aquafibre have also more recently taken over the former Moonraker factory adjacent to Brooms for the production of mouldings for the larger Broom models, eliminating the problems of transport from Rackheath to Brundall, but also facilitating more sophisticated production techniques whereby more of the boat is built whilst the hull remains secure in the mould tool.

In addition to supplying Brooms with all their moulding requirements, Aquafibre have also developed their own range of models sold primarily to charter fleets throughout Europe, plus a

number of specialist independent boat builders and to private customers for home completion. Aquafibre also undertakes moulding work from customers own mould tools.

## New developments

Over a third of Aquafibre's Rackheath production facility is dedicated to the development of new models - not just for the Broom and Aquafibre ranges, but also for other well known production boat builders.

1996 was a particularly busy year for Aquafibre's regular team of highly skilled pattern makers under the direction of Steve Thompson, the company's Development Manager. Six new models have been worked on during the year which involves the completion of a new 34 ft charter boat for Emerald Star Line in Ireland, the new Broom Ocean 38 and the exciting new Broom 50 model, due to be 'launched' in the summer of 1997.

The development of a new model can start well over a year before the finished craft is unveiled at a boat show. For example, the concept for the new Broom Ocean 38 was conceived way back in October 1995.

Naval architect Andrew Wolstenholme was briefed to prepare some preliminary drawings which were then discussed with the Broom Sales team, their dealers and potential customers. Their important comments on performance requirements, styling, interior layout and how they expected the boat to be used were then incorporated into the design

before full working drawings were presented to Aquafibre. The hull was then 'lofted' using traditional wooden boat building techniques. Timber frames were then constructed, battened-out and clad. The entire wooden hull is then sprayed with progressive layers of paint and sanded down by hand to produce a perfect finish. The highly polished wooden 'plug' (as it is known) is then coated with fibreglass to produce the master mould tool. When this is completed, the 'plug' is extracted and sadly destroyed as it has now served its purpose. The superstructure and components are then constructed using exactly the same techniques.

Once the new mould tools have been checked for any defects, they are polished and prepared for production. The first set of mouldings are then manufactured and a new model is 'born'.

The development process is obviously a highly technical and skilled operation involving many thousands of hours of work before the first set of mouldings can be produced. Needless to say, Aquafibre are justly proud of the end result.



Hull 'plug' under construction

## EXPANSION AT RACKHEATH

In response to the increased volume of moulding work and the demands for Aquafibre's development expertise, the company have commissioned a 6,000 sq. ft. single span extension to their existing Rackheath factory. This new facility will not only increase capacity, but will enable boats of up to 85ft in length to be developed in the years to come.



New extension underway at Rackheath

## 221 AND STILL GOING STRONG

One of Aquafibre's most famous current models is the very familiar AF32. To date, 221 have been produced with a further five currently on order. The '32' conceived back in 1982, is often considered as the quintessential four berth aft cabin cruiser.

Many examples of this classic model are in private ownership on inland waterways throughout Europe, but the majority are owned and operated by charter fleets who consider this craft provides the ideal 4-berth accommodation in two separate cabins. The largest class in Brooms own hire fleet, the popular Seapilots are based on the AF32 mouldings.

What's more, the styling of this model has stood the test of time and still looks well when seen afloat today. Whilst the original hull mould is still in use, the superstructure literally 'wore out', so a replacement has been developed incorporating some improvements



## AQUAFIBRE TO MOULD FAMOUS WORK BOAT

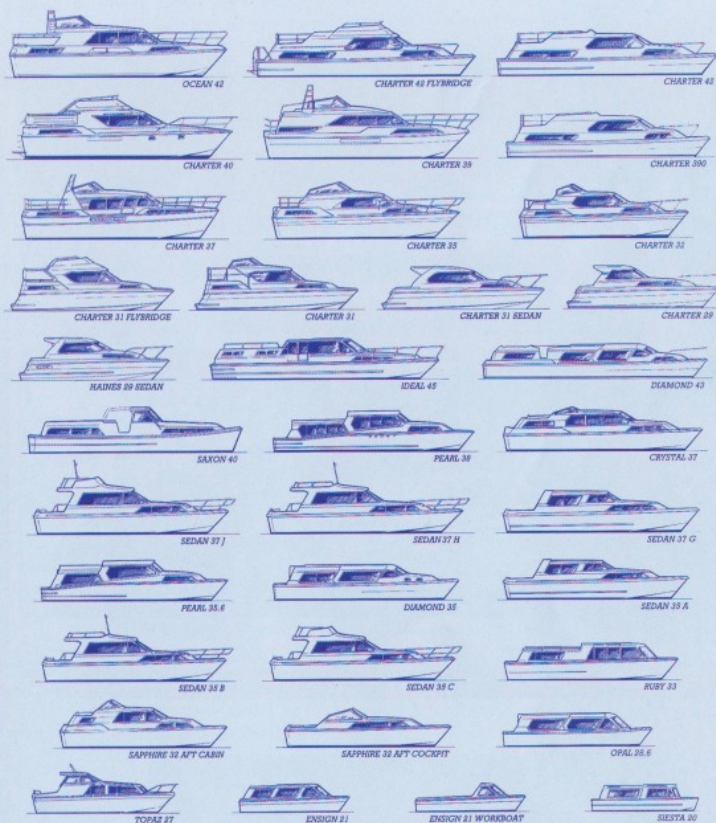
In addition to moulding the complete Broom range and their own extensive range of models, Aquafibre are always pleased to quote to mould from customers' own mould tools to the most exacting specifications.

Aquafibre are delighted to have recently been appointed as moulders for the famous AQUABELL range of fast offshore work boats.

The Aquabell 33 (pictured right) has been the 'Choice of Professionals' for many years throughout Europe. It's well proven hull is capable of speeds up to 30 knots and is moulded to withstand the most extreme conditions that can be experienced at sea.



## EUROPE'S WIDEST RANGE OF HULL AND SUPERSTRUCTURE GRP MOULDINGS FOR SEA OR RIVER, FROM 20 - 45FT.



For further details pertaining to Aquafibre, contact:

Ben Mackintosh or Steve Thompson

Tel: 01603 720651 Fax: 01603 720654

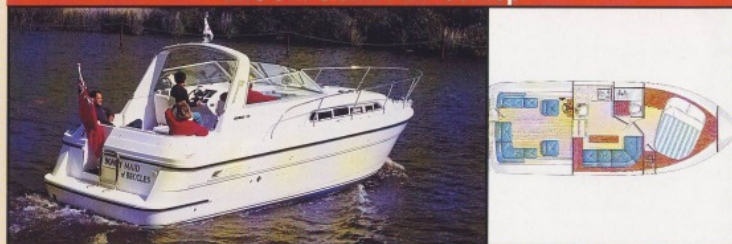
Aquafibre Limited, Wendover Road, Rackheath, Norwich, NR13 6LR, England



# BROOM 1997 POWERBOAT RANGE

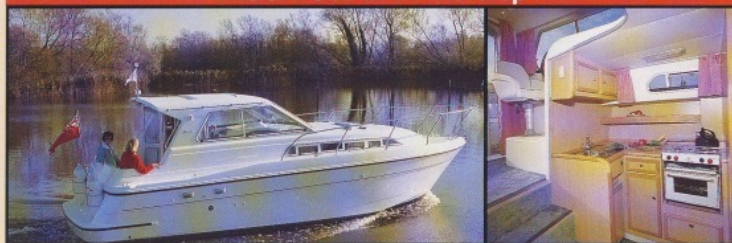
## Ocean Coastal Range

### BROOM OCEAN 29 Softtop



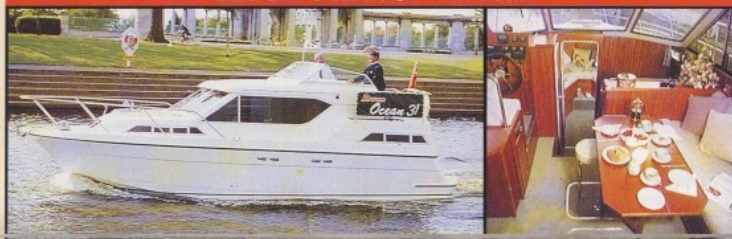
Length - 29' (8.84m) Waterline Length - 25'6" (7.80m)  
Beam - 10'5" (3.17m) Draught - 2'6" (0.76m)

### BROOM OCEAN 29 Hardtop



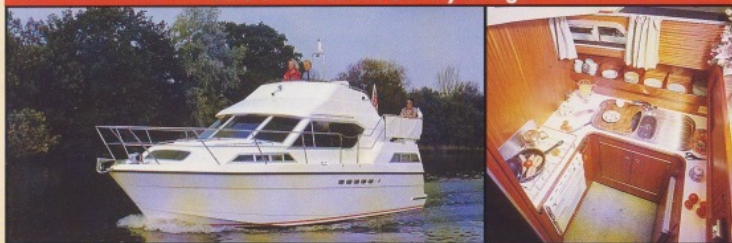
Length - 29' (8.84m) Waterline Length - 25'6" (7.80m)  
Beam - 10'5" (3.17m) Draught - 2'6" (0.76m)

### BROOM OCEAN 31 Aft Deck



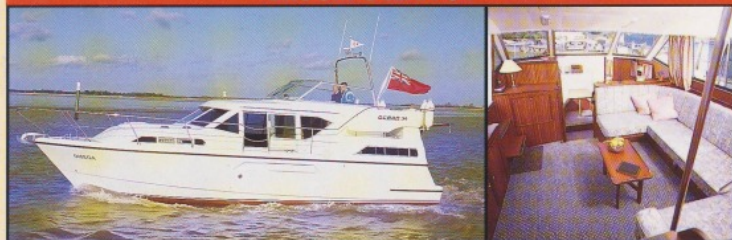
Length - 31' (9.45m) Deck Length - 29' (8.84m) Waterline Length - 27' (8.23m)  
Beam - 11'6" (3.5m) Draught - 2'9" (0.8m)

### BROOM OCEAN 31 Fly Bridge



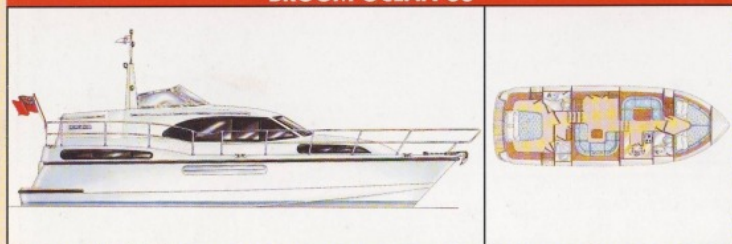
Length - 31' (9.45m) Deck Length - 29'0" (8.84) Waterline Length - 27'0" (8.23m)  
Beam - 11'6" (3.5m) Draught - 2'9" (0.8m)

### BROOM OCEAN 34



Length - 34' (10.4m) Deck Length - 32'6" (9.9m) Waterline Length - 30' (9.1m)  
Beam - 12'4" (3.8m) Draught - 3'2" (0.9m)

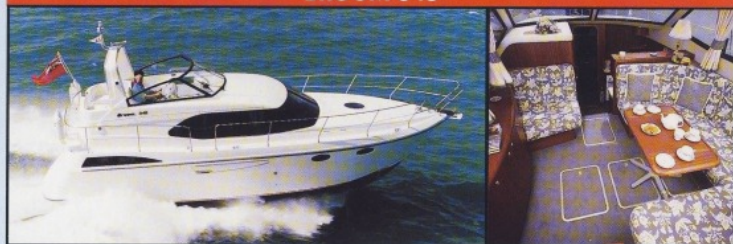
### BROOM OCEAN 38



Length - 38'6" (11.74m) Deck Length - 36'9" (11.2m) Waterline Length - 34'3" (10.44m)  
Beam - 13' (3.96m) Draught - 3'6" (1.06m)

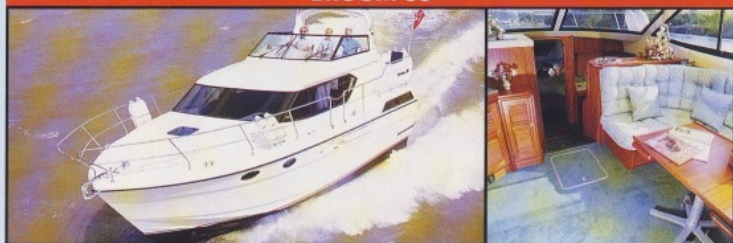
## Fast Offshore Range

### BROOM 345



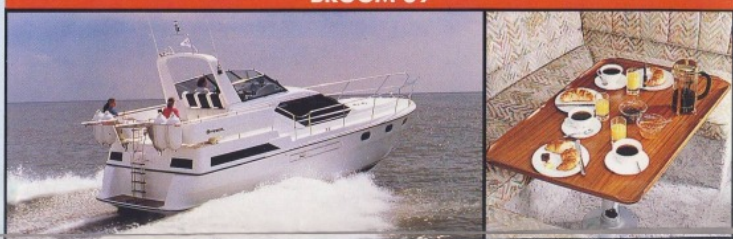
Length - 34' 10" (10.6m) Deck Length - 32'6" (9.9m) Waterline Length - 26'9" (8.15m)  
Beam - 12'4" (3.8m) Draught - 3'3" (1.04m)

### BROOM 36



Length - 36'6" (11.12m) Deck Length - 34'5" (10.51m) Waterline Length - 28'9" (8.76m)  
Beam - 12'3" (3.7m) Draught - 3'5" (1.04m)

### BROOM 39



Length - 39'6" (12.00m) Deck Length - 37' (11.3m) Waterline Length - 30'9" (9.37m)  
Beam - 13'6" (4.1m) Draught - 4'3" (1.29m)

### BROOM 41



Length - 40'9" (12.42m) Deck Length - 38' (11.58m) Waterline Length - 32' (9.75m)  
Beam - 13'6" (4.11m) Draught - 4'3" (1.29m)

### BROOM 44 Hardtop



Length - 44'8" (13.6m) Deck Length - 42'4" (12.9m) Waterline Length - 36' (11.0m)  
Beam - 15'3" (4.6m) Draught - 4' (1.2m)

### BROOM 44 Mediterranean Sundeck



Length - 44'8" (13.6m) Deck Length - 42'4" (12.9m) Waterline Length - 36' (11.0m)  
Beam - 15'3" (4.6m) Draught - 4' (1.2m)