

PAINE 66
Long Range Ocean Cruising Motoryacht
NORTHERN LIGHT



THE FIRST PAINE 66, *NORTHERN LIGHT*, WAS BUILT FOR A N.Y.C. PAST COMMODORE WHO HAS CRUISED HER FROM NEW YORK TO GREENLAND AND THROUGHOUT EUROPE AND THE MEDITERRANEAN.

LOA:	66' 2"
LWL:	58' 6"
BEAM:	19' 9"
DRAFT:	6' 6"
DISPLACEMENT:	118,000 lbs
ABOVE/BELOW RATIO:	2.42
SUGGESTED POWER:	LUGGER 6140AL2 600HP @ 2100 RPM
REDUCTION RATIO:	3 : 1
FUEL TANKAGE:	3100 US GAL
FRESH WATER TANKAGE:	500 US GAL
DISP/LENGTH RATIO:	263
RANGE: @ 10 KNOTS	2600 MILES
CONSTRUCTION:	WELDED TYPE 5083 ALUMINUM
MAXIMUM SPEED:	13.2 KT
CRUISING SPEED:	11.5 KT

The Paine 66 is a highly reliable offshore voyaging yacht with long range and a comfortable motion at sea. Her configuration features the highly popular raised pilothouse behind a Portuguese bridge. Aft is the main salon and a good sized cockpit, and there are full side decks for passage fore and aft without entering the accommodations. The Paine design office always prides itself on its aesthetic prowess and believes this is one of the best looking of this type of motoryacht available.



Efficient performance is insured by the round-bilged bottom with a single spray rail and a moderate prismatic coefficient of 0.647. The round bilge transitions to a chine aft making the yacht more efficient at its top speed. A full-length keel protects the propeller and rudder. Rock solid welded aluminum construction, including an area of 10mm plating forward, makes the occasional grounding or collision with flotsam an event of little importance. The stern shape has been dictated by the desirability of reducing the tendency to roll, making the yacht more comfortable to live aboard. This also increases fuel efficiency and range, because stabilizers increase drag when the hull rolls easily and a hull that rolls less relies less upon its stabilizers.



As is so true with our clientele, the owner of Northern Light insisted that no effort be spared to perfect every visual element of the design, working closely with Paine Yacht Design to reach that balance between utility and beauty.

Aluminum construction requires that each yacht be built "one off." What that means to the client is that aspects of the design that another owner might wish to customize can be accommodated.



It is the details that set this yacht apart from production boats.

There are full headroom accommodations beneath the pilothouse, extending forward into the bow. The interior arrangements shown were customized for the original owner, and reasonable modifications are encouraged on potential sisterships. The interior arrangement for *NORTHERN LIGHT* offers four double cabins and three heads, two of these with separate shower stalls. The full width owner's cabin has ensuite access to its totally private head, as does the guest cabin forward. The owners' suite may be accessed either from the pilothouse, or separately from the main salon, saving many steps and reducing the claustrophobic feeling that can result from a single, steep, access belowdecks. *NORTHERN LIGHT*'s arrangement has perhaps one more cabin than is usual, as there is a dedicated crew cabin.



The owners' suite looking aft.



The owners' suite looking forward.



The forward guest suite.



The main salon with the stairway to the owner's suite forward of the curved railing.



A large dinette forward of the galley.



The galley looking aft toward the salon.

The engine room, located beneath the saloon, is large with easy access to machinery. *NORTHERN LIGHT* has a Lugger 600 horsepower main engine and a Lugger LP 445T 130 horsepower wing engine. There is also a Northern Lights 20kw genset. The wing engine is used to propel the yacht while service is performed on the main engine at sea, and as a “get home” engine should the main engine be out of service.

Tankage is for 3100 gallons of fuel and 500 gallons of fresh water. Water and fuel tanks are integral, lending further structural strength to the hull and forming a double bottom where they occur.



The engine room is laid out for excellent access to all machinery in a clean, bright and safe environment.

The interior accommodations on this design are as voluminous and homelike as can possibly be achieved in so modest a length. The main salon has large windows for wonderful views of the surroundings. The pilothouse is far larger than one normally encounters. The deck and sheltered Portuguese bridge may be instantly accessed through doors both port and starboard, with a convenient stowage box on centerline.



Crew cabin.



Fuel manifold.



Owner's ensuite head.



Guest ensuite.



Children's cabin.



Open side decks fore and aft.



Running at twelve knots .



Fully equipped flying bridge helm station.

NORTHERN LIGHT was built under the management of John Vitali at Diverse, Ltd. in New Zealand. High strength welded 5083-H321 aluminum insures the ultimate in leak proof integrity and brute strength. Her efficient, low drag hullform and ample tankage makes an Atlantic Ocean crossing feasible. Modern

systems supply the yacht with all the comforts of a seaside home. She would make an ideal choice for ocean voyaging or coastal cruising. We would be happy to work with you to customize and build a sistership.



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