S P E C I F I C A T I O N

for

STANDARD HALMATIC SKERRIES 36' MARK II FISHING BOAT

PRINCIPAL DIMENSIONS

Length O.A.	36' 9"	(11.18m)
Beam (Moulded)	12' 6"	(3.91m)
Draught	4' 8"	(1.42m)
Displacement	Approx. 12 tons	
Speed	Approx. 9 knots	

GENERAL

This Specification covers the construction of a ruggedly constructed heavy duty Fishing Boat arranged with forward foc's'le and Wheelhouse and a large after Working Deck. Reference Drawing No. 36/077
The Vessel is completely constructed of Glass reinforced Polyester to ensure a long and virtually maintainence free craft.

HULL

The Hull, Deck and Wheelhouse Assembly is moulded under the Supervision of Lloyd's Register of Shipping and will be issued with a Lloyd's Hull Moulding Release Note. The Hull Assembly features:-

Moulded in watertight bulkheads
2 x 150 gallon capacity G.R.P. Fuel Tanks (Pressure tested)
Raised Foredeck and Watertight self draining in after Deck
Moulded Wheelhouse

Extensive use of G.R.P. will be used throughout including Wheelhouse lining module, seats / lockers, console unit, hatches, steps, ventilator trunkings etc.

COLOURS

Hull -
Deck - All to choice from standard range
Wheelhouse -

COMPLETION OF HULL

Cockpit

The Vessel will be fitted with a watertight self-draining aft deck of G.R.P. incorporating Hold Hatch and Engine Removal Hatch. Scuppers will be cut into the hull topsides at cockpit level to allow water to drain overboard. A.G.R.P. Hold Hatch will be fitted to deck for access to space below.

/

Gunwhales and Fendering

A heavy 5" x 2" Timber gunwhale is to be bolted to the outside of the Hull at Sheer level, covered with Galv. Cope Iron. In way of the Aft Deck, the return Hull flange will be capped with 6" x 1" Timber and two trips of heavy galvanized Cope Iron.

Bulwark Stringer

A 3" x 1½" Bulwark Stringer will be fitted to the Bulwark Stanchions in the Aft Deck area.

Fore Deck and Wheelhouse

The foredeck is to be moulded in G.R.P. incorporating a heavy duty Aluminium Alloy Escape Hatch from Foc's'le. Deck to incorporate a "non skid" surface. A 4" Mooring Post is to be fitted at forward bulkhead position.

The Wheelhouse is also moulded in G.R.P.

The following windows are to be fitted to the wheelhouse of toughened glass in aluminium alloy frames:-

Wheelhouse front	4 fixed windows
Wheelhouse Sides	1 fixed and 1 full-drop window port and starboard
Aft Wheelhouse	2 fixed windows

The Wheelhouse top is to be suitably stiffended for the attachment of life rafts, etc. and is to be fitted with grab rails port and starboard. Entrance to the Wheelhouse is via a hinged door. The Wheelhouse is to be lined internally up to window level with a G.R.P. module and will incorporate lockers, a two burner gas cooker and S.S. sink. Access to engine room via Wheelhouse floor.

FOC'S'LE

The Foc's'le will be fitted with ¾" plywood flooring with removable section for access to bilge, two full length seat / berths will be fitted of G.R.P. construction. The space below the seats will be arranged as lockers and a small watertight opening in the forward bulkhead will give access to the chain locker. 4" vinyl covered foam mattresses will be supplied for each berth.

ENGINE INSTALLATION

The standard engine will be a Perkins 6.354 m..diesel engine developing 95 B.H.P. at 2,400 R.P.M. continuous and will be fitted with a self change M.R.F. 350 H.D. hydraulic reduction / reverse gearbox controlled by a single lever morse throttle and gear control. The following equipment will be supplied with the engine:-

Oil Pressure gauge

Water temperature gauge

Tachometer

Ammeter

ENGINE INSTALLATION cont

Jabsco bilge pump with cluthch

Sump pump

24 volt Alternator

The Engine will be fresh water cooled via sea water circulating through engine mounted heat exchanger. The propeller is to be approx 32" three-bladed fitted to a stainless steel tail shaft and an intermediate steel half-shaft, supported by a heavy duty plummer block. A wet exhaust system is fitted exiting at the side of the Vessel. Suitable natural vents are to be fitted allowing fresh air into and from the engine compartment.

STEERING AND CONTROLS

The steering gear will be of S.M. Wills manufacture type T100 single station hydraulically actuated fitted with 18"spoked steering wheel on the starboard side of the Wheelhouse. Instrumentation will be displayed in a suitable G.R.P. console unit housing also the hydraulic pump of the steering system. A $\frac{1}{2}$" steel plate balanced rudder is to be fitted on a heavy steel rudder skeg fitting bolted to the after end of the G.R.P. keel assembly. Suitable hull anodes to be fitted to the rudder to prevent electrolytic action.

ELECTRICAL INSTALLATION

Main engine starting will be via heavy duty 24 volt batteries charged via engine mounted 24 volt Alternator. Electrical wiring installation to meet std. Marine Practice with the following lights fitted to the vessel:-

Port and starboard and masthead navigation lights

Stern light

Red and White Fishing Lights

Interior Lights fitted as follows:-

2 in foc's'le

1 in Wheelhouse

1 in Engine Room

1 in Hold

1 socket and lead light in Engine Room

1 Deck light on after side of Wheelhouse

BILGE PUMPING

The Vessel will be divided into two pumping compartments.

A Jabsco Bilge Pump will be driven off the forward end of the main engine with suitable clutch for its engagement, and suction arranged from the after compartment. Deck wash faci,ity will be fitted. In addition to this a Whale type 25 gusher bilge pump will be fitted in Wheelhouse with 2 suctions situated in the lowest part of the bilges with a suitable changeover valve.

FIRE FIGHTING EQUIPMENT

The Engine Compartment is fitted with two Seasafe Automatic Fire Extinguishers. Two Hand B.C.F. Extinguishers will also be fitted in the wheelhouse and Foc's'le areas.

DECK FITTINGS

The following deck fittings and equipment will be fitted to the Vessel:-

Roller Stem head fitting
Mooring Post
Chain Pipe
Two galvanised Crosshead Bollards on quarters of After Deck
2 Fairleads on Foredeck
2 Hand Rails on Wheelhouse
Fuel Deck Filler Plates
Lifebuoy Brackets
1 Alloy skylight / hatch on foredeck
Mast and Derrick

FISHING GEAR

A Spencer Carter 1000 lb Capstan / Line hauler will be fitted on the starboard side of the boat. (Alternative types available).
An expendable G.R.P. hull protection panel will be fitted in way of the Hauler.

LIFE SAVING APPLIANCES

2 Life Jackets
2 Life Buoys
Set hand Flares

PAINTING

Hull

The G.R.P. Hull as previously mentioned will be pigmented above waterline .
A 2" wide boot topping will be arranged above the anti-fouling, the latter being applied as follows:-
The whole of the bottom area is to be thoroughly cleaned and to be given one application of fibreglass primer followed by a coat of International anti-fouling or similar.

Woodwork and Interior

The gunwhales, cappings and fenders will be given three coats of Varnish.
The interior exposed portions of the G.R.P. Hull and framing structure is to be sparayed with multi-colour paint.
Name boards will be fitted to the bow and stern of the Vessel and the Vessel's registration number and Port of registration will be painted on the forward hull topsides and transom respectively.

/

OUTFIT

Compass

Clock

C.Q.R. Anchor approx 30 kg.

2 x 15-fathoms $2\frac{1}{2}$" circumference Ulstrnn Warps

1 x 25 fathoms $2\frac{1}{2}$" Anchor Warp and 3-fathoms $\frac{3}{8}$" Galv. Chain

Boat Hook

1 Emergency Tiller

1 Bucket.

TRIALS

Upon completion of the Vessel trials will be carried out for the duration of minimum two hours when various mechanical and electrical systems will be tested in the presence of the Owner's Representative. Delivery in water, Kirkwall.