**BOAT CHARACTERISTICS:**

<table>
<thead>
<tr>
<th>Characteristic</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>LENGTH OVERALL</td>
<td>47'11” w/o rub rails 48’11” w</td>
</tr>
<tr>
<td>LENGTH AT WATERLINE</td>
<td>43’0”</td>
</tr>
<tr>
<td>BEAM</td>
<td>14’0” w/o rub rails 15’ w</td>
</tr>
<tr>
<td>DRAFT</td>
<td>4’6”</td>
</tr>
<tr>
<td>HIGHEST FIXED PT</td>
<td>18’6” (radar antenna)</td>
</tr>
<tr>
<td>HIGHEST PT OF MAST</td>
<td>24’6” (DF antenna)</td>
</tr>
<tr>
<td>HIGHEST PT (HF)</td>
<td>28’4” (HF antenna)</td>
</tr>
<tr>
<td>HOISTING WEIGHT</td>
<td>40,000lbs</td>
</tr>
<tr>
<td>PROPULSION MECH</td>
<td>2 Detroit Diesel DDEC-III, 6V-92TA diesel engines (435bhp @ 2100 rpm)</td>
</tr>
<tr>
<td>REVERSE RED GEAR</td>
<td>Reintjes, WVS 234 UP, 2:1 reduction 2 ½” cres. Aquamet shafts</td>
</tr>
<tr>
<td>PROPELLERS</td>
<td>twin, fixed pitch, 4 blade</td>
</tr>
<tr>
<td>FUEL TANK CAPACITY</td>
<td>394 gallons</td>
</tr>
<tr>
<td>POTABLE WATER</td>
<td>5 gallons</td>
</tr>
<tr>
<td>CREW CAPACITY</td>
<td>4 people</td>
</tr>
<tr>
<td>SURVIVOR CAPACITY</td>
<td>5 people</td>
</tr>
</tbody>
</table>

**OPERATING CHARACTERISTICS:**

<table>
<thead>
<tr>
<th>Characteristic</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAXIMUM SPEED</td>
<td>25 KTS @ 2100</td>
</tr>
<tr>
<td>CRUISE SPEED</td>
<td>21.5 KTS @ 1950</td>
</tr>
<tr>
<td>MAX RANGE @ CRUISE</td>
<td>200 NM</td>
</tr>
<tr>
<td>MAXIMUM WINDS</td>
<td>50 KTS (sustained)</td>
</tr>
<tr>
<td>MAXIMUM SEAS</td>
<td>30’</td>
</tr>
<tr>
<td>MAXIMUM SURF</td>
<td>20’</td>
</tr>
<tr>
<td>MAXIMUM TOW CAP</td>
<td>150 DISPLACEMENT TONS</td>
</tr>
<tr>
<td>OUTSIDE AIR TEMP</td>
<td>10°F (-12C) TO 95°F (35°C) dry bulb</td>
</tr>
<tr>
<td>OUTSIDE WATER TEMP</td>
<td>28°F (-2C) TO 85°F (29°C) dry bulb</td>
</tr>
</tbody>
</table>

**BOAT CONSTRUCTION:**

**SUPERSTRUCTURE:** 5456 MARINE ALUMINUM

(FIXED TO THE HULL AT FRAME 3(aft) AND FRAME 12 (forward))

**HULL:** 5456 MARINE ALUMINUM

(DEEP-V PLANING FROM BOW TO STERN WITH FRAMES NUMBERED FROM TRANSOM TO BOW)

**HULL CONSTRUCTION:** 5/16 BOTTOM PLATING

¼ SIDE SHELL

3/8 CHINE PLATES

½ KEEL PLATE

FIXED FENDER SYSTEM (RUB RAILS)

FRAMES ARE SPACED ROUGHLY 30” INTERVALS BOW TO STERN
HULL REFERENCE POINTS:

**SPRAY RAILS:** WELDED TO THE HULL JUST ABOVE THE WATER FROM THE BOW TO FRAME 11

**BOAT #’S ETC.:** ON EACH SIDE OF THE HULL BETWEEN FRAMES 9 AND 15

**# AND STA NAME:** ON THE STERN

**RUB RAILS:** AT THE GUNWALE LEVEL FROM THE BOW TO FRAME 7, AROUND THE STERN TO FRAME 1, AND AT THE RECESS GUNWALE FROM FRAMES 3 TO 9

**SINK DISCHARGE:** OVERBOARD PORT SIDE AT FRAME 5, JUST BELOW AND AFT OF THE RECESS STEP

**OVERBOARD DISCHARGE (BILGE):** FRAME 11, STARBOARD (FORWARD COMPARTMENT) FRAME 9, PORT (AUX MACHINERY SPACE) FRAME 3, PORT AND STBD (ENG. ROOM; AND TRANSOM)

**DEPTH SOUNDER TRANS.:** BETWEEN FRAMES 7 AND 8 TO STBD OF FUEL TANK

**SPEED LOG:** BETWEEN FRAMES 7 AND 8 TO STBD OF FUEL TANK

**SEA SUCTION VALVES:** BETWEEN FRAMES 4 AND 5 ON BOTH SIDES OF THE KEEL IN THE ENG. ROOM

**EXHAUST PORTS:** BETWEEN FRAMES 1 AND 2, PORT AND STBD, JUST ABOVE THE WATER LINE

**DEEPEST DRAFT:** BETWEEN FRAMES 1 AND 2, JUST AFT OF THE TOW POST (AT THE SHAFT STRUT EXTENSIONS)

**PROPELLERS:** DIRECTLY UNDER FRAME 1

**RUDDER POSTS:** PENETRATE THE HULL BETWEEN FRAME 1 AND THE TRANSOM

**WELD MARKS FOR 3’** EACH SIDE OF THE HULL FORE AND AFT, CENTERED 9 3/8” FORWARD OF FRAME 15 AND 4-3/8” AFT OF FRAME 1

WATER TIGHT COMPARTMENTS:

1. LAZARETTE: TRANSOM TO FRAME 1
2. ENGINE ROOM: FRAME 1 TO FRAME 5
3. SURVIVORS COMP.: FRAME 5 TO FRAME 8
4. AUX MECH SPACE: FRAME 8 TO FRAME 10
5. FORWARD COMP.: FRAME 10 TO FRAME 15
6. FORPEAK: FRAME 15 TO BOW
7. ENCLOSED BRIDGE: FRAME 8 TO FRAME 10 ABOVE MAIN DECK

FORWARD COMPARTMENT:

TOILET PAPER DISPENSER
PORTABLE MARINE HEAD
ICS SPEAKER
HANDRAIL
STORAGE LOCKERS (02)
BILGE PUMP (STARBOARD DRAIN)
5 ADULT AND 5 CHILD TYPE 1 PFD
4 ADULT TYPE III PFDS W/PYRO VESTS
PORT STORAGE LOCKER:
SPARE OIL IN FIVE AND ONE GALLON CANS
DC KIT
THREE SETS OF HEARING PROTECTION

STARBOARD STORAGE LOCKER:
4 WOOL BLANKETS
2 PILLOWS
PYRO BOX
BELL
ORAL FOG HORN
HAND HELD SPOTLIGHT
BODY BAGS

AUXILLARY MACHINERY SPACE:
SHORE POWER BREAKER PANEL
BILGE PUMP CONTROL J-BOX
BILGE ALARM/HORN J-BOX
12 VDC POWER PANEL
EXHAUST FAN SWITCH
24 VDC PANEL
FWD CMPT LIGHT SWITCH
CO2 STORAGE BOTTLES (25LB)(02)
BATTERY CHARGER
BILGE (PORT DRAIN)
BATTERIES (BELOW DECK GRATING)
RAW WATER VALVE, STRAINER AND PUMPS FOR
HVAC SYSTEM (STARBOARD OF BATT. BOXES)
DDEC GEAR INTERFACE MODULES
DDEC ENGINE ROOM INTERFACE MODULE
SEA POWER CONVERSION UNIT
SEA POWER REMOTE CONTROLS
SEA POWER JUNCTION BOX
120 VAC RECEPTACLE
ISOLATION TRANSFORMER
120 VAC POWER PANEL
MLB COMMON GROUND STUD
BATTERY STORAGE BOXES
HAVAC PUMP JUNCTION BOX
EWRS COMPRESSOR SYSTEM
(_EMERGENCY WINDOW RELEASE SYSTEM_)

SURVIVORS’ COMPARTMENT:
GALLEY AREA (FIVE GAL. WATER JUG, 2 HOT CUPS, SINK)
STOKES LITTER (W/ RESCUE SWIMMER GEAR)
RADAR J-BOX
ICS SPEAKER
BATTERY CONTROL SWITCHES
HANDRAILS
AUX. MECH. AND FWD CMPT. SPACE LIGHT SWITCH
DEAD MANS STICK
10LB PKP EXTINGUISHER
HAND HELD LANTERN
SURVIVOR SEATS
ENG ROOM CO2 FLOODING CONTROL SWITCHES
TOWLINE REEL BREAKER BOX
CO2 SYSTEM INDICATOR LIGHTS
SURVIVOR CMPT. LIGHT SWITCH
ENG. ROOM LAZ. LIGHT SWITCH
HVAC UNIT
FIRST AID TRAUMA KIT
AC CONTROL J-BOX
FIRE ALARM J-BOX
FLASHLIGHTS (02)
EMERGENCY FUEL SHUT OFF PULL HANDLES
CO2 SYSTEM ACTUATOR HANDLE
HVAC CONTROL PANEL
PORTABLE CO2 FIRE EXTINGUISHER (5LB)
EAR MUFF HEARING PROTECTION
FUEL TANK (CENTERED ON THE KEEL BETWEEN BULKHEAD 5 AND 8)
ENGINEERS SPARE PARTS BOX
BILGE PUMP (02)
DEPTH SOUNDER/ SPEED LOG TRANSDUCERS

ENGINE ROOM:
EXHAUST MUFFLERS
JACKET WATER EXPANSION TANK
W/ RECOVERY BOTTLE
FUEL OIL COOLER
DETROIT DIESEL 6V92TA DDEC III ENGINES (02)
RAW WATER PUMP
TURBOCHARGER
RAW WATER SUCTION VALVES
RAW WATER DUPLEX STRAINERS
RAW WATER PIPING TO RED GEAR
CARDAN SHAFT
EXHAUST PIPING
TOOL BOX
BILGE PUMPS (02)

LAZARETTE:
RUDDER POSTS (BETWEEN THE TRANSOM AND BULKHEAD 1)
RUDDER TIE ROD ATTACHMENT
RUDDER ANGLE INDICATORS
SERVO POWER CYLINDER (FOR HYDRAULIC STEERING SYSTEM)
2” CHECK VENT
FIRE FIGHTING WATER STANDPIPE
ENGINE ROOM DEWATERING STANDPIPE
ENCLOSED BRIDGE:

*Helm Chairs:*
- Port-Coxswain
- Stbd-Helmsman

*Bolster Seats:*
- Port-Crewman
- Stbd-Engineer

12 Windows W/EWRS
CHART TABLE
CO2 Actuator Handle
HVAC System Fan Coil Unit
Binoculars
Fluxgate Compasses
5lb CO2 and 10lb PKP

**Upper Console:**
- Steering Gear Low Pressure Light
- Port and Stbd EDM
- Dimmer Switch and Fuse
- Weather Deck Light Switch
- Fuel Gurage
- Blue Light Switch
- Port and Stbd Starter Switch
- Open Bridge Console Vent
- Alarm Silence Switch
- Eng. Room Fire Warning Light

**Lower Console:**
- Chart Plotter
- Horn
- Radar
- VHF-DF
- VHF-FM Radio Fuse
- VHF-FM Speaker
- Window Heater Fuses
- VHF-DF Speaker
- Loudhailer Microphone
- Loudhailer
- VHF-FM Radio
- VHF-FM Microphone
- Station Control Panel
- Emergency Manual Control Panel
- Autopilot
- Autopilot Select Switch
- GPS
- Radar Select Switch

**Lower Console (Sub Unit):**
- Port/Stbd Window Wiper Switches
- Port/Stbd Wiper Speed Pontentiometers
- Port/Stbd Window Blower Switches
- Window Washer Switch
- Window Heater Switches
OPEN BRIDGE:
PORT OPERATING STATION:
DIMMER SWITCH
TACHOMETERS (P/S)
THROTTLES
P/S ENG. START STOP BUTTONS
CO2 DISCHARGE HANDLE
HAND HELD SPOTLIGHT CONNECTION PORT
HELM LEVER
STATION ACTIVATE BUTTON
ENGINE ELECTRONIC CONTROL STATION
RUDDER ANGLE INDICATOR

CENTER CONSOLE:
DEPTH, SPEED, TEMPERATURE INDICATOR
FIRE ALARM WARNING INDICATOR
LOW HYDRAULIC PRESSURE WARNING LIGHT
P/S EDM
LOUDHAILER/INTERCOM SPEAKER
VHF-FM SPEAKER
RADAR DISPLAY
HEADING INDICATOR
EMERGENCY ENGINE STOP PULL HANDLES P/S
FIRE ALARM SWITCH

STBD OPERATING STATION:
GPS CONTROL PANEL
MAGNETIC COMPASS
VHF-FM CONTROL PANEL
COMPASS/RUDDER ANDGLE INDICATOR DIMMER
RUDDER ANGLE INDICATOR
SEARCHLIGHT CONTROL PANEL
ENG. ELECTRONIC CONTROL PANEL
ENG. THROTTLES
P/S ENG. START/STOP BUTTONS
VHF-FM MIC
LOUDHAILER MIC
HELM WHEEL
AUTOPilot CONTROL HEAD
WEATHER DECK LIGHT SWITCH
AFT FLOODLIGHT SWITCH
P/S DOCKING LIGHT SWITCH
AFT SPOTLIGHT SWITCH
FWD SPOTLIGHT SWITCH
BLUE LIGHT SWITCH
HORN BUTTON
AUTOPilot SELECT SWITCH
BINOCULARS (UNDER SIDE OF CONSOLE)
MAST PLATFORM:
BOW SEARCHLIGHT
LOUDHAILER SPEAKER
BLUE LIGHT
BOAT HORN
MASTHEAD/TOWING LIGHTS (2) (225' WHITE)
ANCHOR LIGHT (360' WHITE)
AFT TOWING LIGHTS (2) (AMBER 135')
STERN LIGHT (WHITE 135')
SEARCHLIGHT REMOTE CONTROL (360')
MAST ASSEMBLY JUNCTION BOX
JUNCTION BOX
HF-SSB RADIO ANTENNA
VHF-FM DF ANTENNA
VHF-FM RADIO ANTENNA
RADAR ANTENNA
GPS ANTENNA
AFT SEARCHLIGHT
AFT DECK WORK LIGHTS

DECK EQUIPMENT:
BULLNOSE CENTERLINE AT THE BOW
BITT BETWEEN FRAME 16&17, AT FRAME 12
BETWEEN FRAMES 8&9 AND BETWEEN FRAMES 2&3
CHOCKS FRAME 14, BETWEEN FRAMES 9&10
BETWEEN FRAMES 3&4, AND BETWEEN FRAMES 1&2
HANDRAILS TWO LEADING FORE AND AFT ON FOREDECK
BOTH SIDES OF SUPERSTRUCTURE
TAFFRAIL ON BUOYANCY CHAMBER (TRANSOM)
TOW BITT JUST AFT OF FRAME 2 CENTERED OVER KEEL
30" HIGH
TOW REELS UPPER CARRIES 300' 2" DBN
LOWER CARRIES 900' 3 1/4" DBN (ELEC. CONTROL)
DECK LIGHTING EIGHT STEPLEIGHTS THAT ILLUMINATE THE DECK
SUPERSTRUCTURE LIGHTS
RECESS LIGHTS
HF-FM ANTENNA PORT SIDE OF SUPERSTRUCTURE
30" RING BUOYS ON OPEN BRIDGE HANDRAILS
REScue THROW BAGS ON OPEN BRIDGE HANDRAILS
DIVE/SURVIVAL KNIFE PORT STANCHION OF LADDER
BOAT HOOKS BOTH SIDES OF SUPERSTRUCTURE

MAIN DECK STORAGE:
PORT AFT DECK BOX:
200' 2"DBN DROGUE/GRAPNEL LINE
2 DROGUES
1 ROLL MARLIN
HEAVING LINES (KAYPOK 02 MONKEY FIST 01)
CHAFING GEAR
ASSORTED SHACKLES (AS REQUIRED)
CENTER AFT DECK BOX:
2 ¾” DBN BRIDLE
WIRE KEVLAR BRIDLE
BLOCK AND TACKLE FOR MAST LOWERING
SKIFF HOOK WITH PENDANT
#4 GRAPNEL HOOK

STARBOARD DECK BOX:
1 3” SUCTION HOSE FOR P-6 TO STANDPIPE
1 50’ DISCHARGE HOSE WITH FIRE FIGHTING NOZZLE
AFF IN LINE PROPORTIONER (AS REQ.)

PORT FORWARD DECK LOCKER:
19LB FORTRESS ANCHOR
ANCHOR REEL W/300’ 2 ¼” DBN LINE
9’ OF 3/8” STAINLESS STEEL CHAIN
3/8” CONNECTING SHACKLE W/SWIVLE
T-HANDLE

STARBOARD DECK LOCKER:
FENDERS (4)
ALONGSIDE LINES (MIN OF 8)
WINOW WASHER RESEVOIR

PUMP:
STOWED IN STBD AFT STORAGE CMPT.

ENGINE LUBE OIL CAPACITY:
LUBE OIL SYSTEM 2104W (40W)
QUANTITY 5.5 GALLONS
TEMPERATURE 200-250°F 24 PLATE COOLER
MINIMUM IDLE 5 PSI
CRUISING 49-70 PSI NORM 37GPM CAP ALARM IS VARIABLE
OIL ALARMS BELOW 49 psi WHEN CRUISING
BELOW 5 psi AT LOW IDLE

REDUCTION GEARS:
REVERSE REDUCTION GEAR REINTJES WVS 234 UP, 2:1 REDUCTION
TYPE U DRIVE
RATIO 2:1 FORWARD AND REVERSE
QUANTITY 7.1 GAL 2104 D OR E 40W (after boat alt)
TEMP 140-158°F ALARM@ 194°F AMOT BYPASS@ 150°F
PRESSURE ENGAGED 230-290psi ALARM@ 174psi
PRESSURE DISENGAGED 58-66psi
OIL DIFF. PRESSURE 72-76psi
COMEHOME RPM 70% RATED LOADED 1470 RPM
SHAFTS 2 ½” CRES. AQUAMET 22/ EXIT BETWEEN 3 AND 4
### STEERING SYSTEM:
- **HEAD PRESSURE**: 20-30 psi
- **SYSTEM PRESSURE**: 150-250 psi
- **ALARM**: 45 psi
- **MAX RES. PSI**: 1000
- **MAX POWER CYLINDER psi**: 950
- **TOTAL FLUID**: 2 GALLONS
- **RESERVE FLUID**: 1 GALLON
- **TYPE**: TELLUS T-15

### CLOSED CIRCUIT FRESH WATER COOLING SYSTEM:
- **TEMP**: 160-205°F ALARM @ 205°F SECURE @ 212°F
- **CAPACITY**: 10-12 GALLONS
- **PUMP**: 160 GPM

### RAW WATER COOLING SYSTEM:
- **SEA CHESTS**: BETWEEN 4 AND 5
- **STRAINERS**: 4” DUPLEX ON EITHER SIDE
- **PUMPS**: 390 GPH

### DEWATERING PUMP:
- **TYPE**: CG-P-6/ 6 HORSEPOWER, 4 CYCLE GASOLINE CENTRIFUGAL PUMP
- **OUTPUT**: 250 GPM
- **LIFT**: 12’
- **HOSES**: BLUE DISCHARGE HOSE AND BLACK SUCTION HOSE