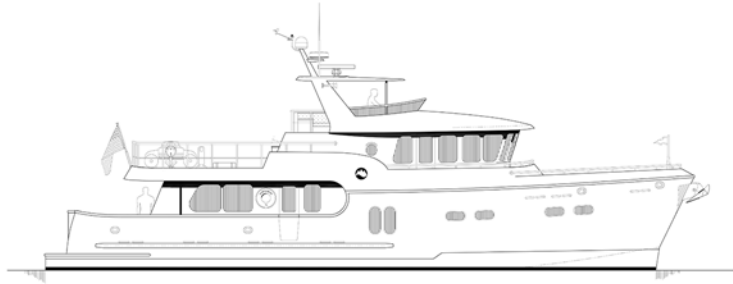


Addendum A

Northwest 70 Semi Displacement Hull

Designer: Seaton/Whiting



Northwest Yachts are designed to put you in charge of your journey. The NW70 is a state-of-the-art vessel engineered to thrive in the demanding environment of oceans anywhere. With cutting edge construction methods, an extensive list of standard features, these modern trawlers provide the serious cruiser with a self-sufficient and comfortable cruising lifestyle. If you're ready to alter course and find some adventure, please feel free to call for more information.

Specifications

Dimensions:

LOA:	70' 2" (21.39 M)	LWL:	65' 11" (20.09 M)
Beam:	19' 7" (5.97 M)	Draft:	5' 6" (1.68 M)
Displacement:	130,725 lbs (59.30 MT)	Bridge Clearance*:	26' 11" (8.20 M)

* With optional hinging radar arch

Propulsion (Single Engine Option Available):

Make:	(2) John Deere	Model:	6135SFM85
Horsepower EA:	750	Cruise Speed:	10 - 12 kts
Maximum Speed:	18 kts	Est. Range**:	1200 NM @ 10 kts

**Range with reserves and genset running

Tankage:

Fuel:	1744 Gals (6601 L)	Water:	600 Gals (2271 L)
Black Water:	300 Gals (1136 L)	Gray Water:	100 Gal (379 L)

Hull and Superstructure

- CCP® 953WJ562, oyster white color gelcoat for main color of the hull
- CCP 953WJ562, oyster white color gelcoat for deck and superstructure
- CCP 953AK217, dark gray color gelcoat for non-skid areas
- International® epoxy osmosis protect primer
- International anti-fouling paint, black color
- All FRP lay-up by hand and vacuum bagged
- Stitched multi-axial reinforced single skin hull bottom
- Kevlar® layer in forward 1/3 of hull from 24" above waterline and below
- Kevlar® layer in layup of skegs
- Vinyl ester resin for hull skin coats four (4) layers
- Solid bottom and foam sandwich construction for hull topsides
- Corecell® PVC foam sandwich construction in vacuum bag
- Transverse and longitudinal stringers glassed in the hull bottom
- The hull and deck are bolted and laminated with fiberglass

Aft Cockpit, Side Decks, and Swim Step

- S/S swim ladder with fiberglass hatch (1)
- S/S swim step staples (5)
- Transom shower hot & cold water
- Storage lockers (2) port and starboard on transom for fender and line storage
- Cockpit access from swim step port and starboard with S/S safety gates.
- Fresh and raw water wash down faucet on swim step
- Cockpit settee w/ tables (2) as per drawing. Tables to have leaf to join them together.
- Rub rail with S/S back
- Pop-up Cleats (2) one on each side of swim platform
- Re-boarding ladder under swim platform
- Hawes holes with integral cleat (2)
- Wet locker in cockpit (starboard side)
- Shallow sink on top of refrigerator cabinet
- Stairway to boat deck with engine room access under
- Wind doors (port and starboard fwd of cockpit)

Boat Deck, Flybridge, Portuguese Bridge, and Foredeck

- Liebroc Tradewinds Series 2 Helm Chairs (2)
- Instrument console with complete instrumentation (see separate list for electronics)

- Steering wheel, 27", S/S Destroyer type
- Compass (1) Ritchie Navigator (white)
- S/S frame windshield with grab rail
- Waterproof speakers (2)
- Intercom (1)
- Bench seat U shaped settee with cushions and table with moveable top.
- Upholstered storage seat
- 120VAC outlet (2)
- Courtesy lights (4 per side)
- Nonskid deck surface, painted
- S/S mooring cleat (4)
- S/S hawse holes with roller (4)
- Chain locker with fiberglass hatch
- S/S frame hatch (2)
- Fresh and raw water wash down faucet (2)
- Flag pole socket
- Teak flag pole 4 ft length (1)
- Courtesy light (4)
- Maxwell4000 Electric windlass w/ chain stopper and chain counter
- Rocna 70 S/S anchor 70 Kg (154lb)
- Anchor chain 1/2" HT x 400ft.
- Polished S/S anchor roller assembly
- Portuguese bridge with access gate to forward deck
- Cabinet storage (4) in Portuguese bridge
- Courtesy lights on stairs
- Side deck boarding door with logo step plate
- Port and starboard S/S hawse pipe (4)
- Mooring cleat (4)
- 120VAC outlet (1)
- Courtesy light (4)
- Steelhead® ES 1500 davit crane, 24V
- S/S 316 stanchions and railings
- Fiberglass arch with LED deck lighting

Engine Room and Lazarette

- John Deere 6135SFM85 (2) at 750hp ea.
- ZF® transmissions
- Seatorque Boss® Enclosed Shaft System (2)

- US Watermaker CW-800SM-2, 800gpd water maker system
- Engine exhaust riser with insulation
- Work bench with sink
- 120VAC fluorescent lighting and 24VDC LED dome lights
- Fiberglass non-skid floor
- S/S engines beds and insulation isolation mounts
- Bennett HL-3351 Engine Room hatch in lower accommodations area with electro-hydraulic lift. Switches forward and aft of the hatch as well as bottom of stairs to operate lift.
- Diamond Seaglaze Series 790 water tight doors at forward and aft end of engine room.

Mechanical and Plumbing Equipment

- Trac® active fin, hydraulic stabilizers
- Trac electric bow thruster
- Cruisair® chill water air conditioning system, with condensing units in engine room and cooling units in staterooms, saloon and pilothouse, capacity 96000btu OR
- Kabola Hydronic Heating System with 6 zones including: Pilothouse (with wind screen defrosters), galley/saloon, master stateroom, VIP/guest staterooms, water heaters, engine block heaters.
- Racor® 75/1000MAX, dual fuel filter for each engine (2)
- Racor 75/500MAX, dual fuel filter for generators (2)
- Seawater strainers (2)
- Whale Gusher 10 Manual bilge pump (1)
- Bronze thru-hull fittings
- Fresh water pressure system with Headhunter® Mach 5, 120VAC pump (1), Headhunter XR124, 24VDC pump (1)
- Deck washdown sea water system with Headhunter XRS 124, 24VDC pump (1)
- Maretron Tank Monitoring System for fuel, potable water, black water and gray water tanks
- Shore water connection
- Blower vented to the exterior for each shower room
- Sealand® T Series waste discharge pump (2)
- Pe-Al-Pe pipe for fresh water system
- Fireboy® MA2-1350, auto extinguisher system with ES series engine shutdown
- Reverso® oil change system for engines, generators, and transmissions
- ZF Electronic engine controls (2 station)
- Electro guard® HD-SB, propeller shaft grounding wiper brush system
- Aquamet 22HS, rudder posts
- ZF-Faster Class S 5 blade Nibral propellers
- Garden hoses 75 feet (2)

Electrical Equipment

- (2) Northern Lights® M844LW3, generators 20KW/120VAC/240VAC/60HZ with sound enclosures
- Engine room blowers, Delta T (2)
- Torid® SS, water heater with heat exchanger, 30 US gals (2)
- BEP or Blue Seas AC and DC circuit control breaker panels
- Aqua Signal® Series 55 LED Navigation lights
- Buell®, Duplex air horn, solenoid and 24 volt compressor.
- Lifeline AGM battery 12V/255AH, (8) for ship's service
- Lifeline AGM battery 12V/255AH, (2) for engines
- Lifeline AGM battery 12V/225AH, (1) for generator
- Lifeline AGM battery 12V/225AH, (1) for electronics
- Rule 4000 Automatic bilge pump 24VDC (4) with automatic float switches, indicating lights and
- High bilge water alarm system
- Bonding system with zinc anodes (2) on transom
- Glendinning® CM-7 cable master with 90ft, 50A cored with remote controls
- Charles® 93-IXFMR12I-A, isolation transformer
- Victron Quattro 24/5000/120 Inverter Charger
- Victron Phoenix 24V Charger
- Intercom (5) for flybridge, engine room, pilothouse, cockpit, and master stateroom
- Color-coded wiring system of tinned copper wire
- Emergency parallel switch for engines and house bank
- Wipers with windows washer system Speich, Roca, or equivalent for all forward facing pilothouse windows
- Dimmer switches for all overhead lighting
- Vimar® outlets and switches
- LED interior and exterior lighting
- Triton 24vdc Flood Lights (2)

Electronics and Entertainment Equipment

- Owner Supplied

Pilothouse

- Port and starboard side doors, Diamond Seaglaze 250 Series or equivalent Dutch swinging doors
- Front windows bedded glass, clear (12mm thick), side windows, tinted (12mm thick)
- Instrument console with complete instrumentation
- Overhead electronics panel
- S/S or wooden clad steering wheel
- Compass (1) Ritchie Navigator
- Llebroc Tradewinds CX HB Series 2 Helm Chairs (2)

- Settee with upholstered cushions, storage beneath and table (1)
- Cork, Teak, Amtico or Oak flooring
- 120VAC outlets (6)
- Led overhead lights (2) red for night vision.

Galley

- Viking FCU150, Trash Compactor
- Liebherr R1410 13.7 Cu Ft. Refrigerator
- Liebherr F1051 9.4 Cu. Ft. Freezer
- Viking 30" Dual Fuel Range
- Viking VMOR Convection Microwave Ventilation Hood
- Viking FDW300 Dishwasher (panel ready)
- Insinkerator® Evolution Excel, garbage disposal under sink
- Franke GNX11028 Stainless steel sink
- Grohe Ladylux Café Single lever kitchen faucet
- Side window over sink, Diamond Seaglaze 150S Series opening (or equivalent)
- Cork, Teak, Amtico or Oak flooring
- Granite counter top
- 120VAC and 24VDC lighting
- 120VAC outlets (6)
- Floor and overhead cabinets of cherry, teak, or mahogany

Saloon

- 120VAC or 24VDC lighting
- Port side fabric covered L shaped settee with table (1)
- Carpeted flooring with sound insulating pad under
- Starboard side seating, settee or 2 chairs (optional)
- Settee seat bottoms with storage below
- Entertainment cabinet
- Aft access door – Diamond Seaglaze 250 Series swinging Dutch door (or equivalent)
- Side windows of fretted bedded glass (12mm)
- Window shades (7) Hunter Douglas or equivalent
- Aft windows – Diamond Seaglaze 150 Series opening (or equivalent)

Master Stateroom

- Tapered king size berth with Handcraft pillow top mattress and storage under
- Mattress platform with hydraulic lift for access under
- Carpeted flooring with sound insulating pad under
- Hanging locker (2)
- Built-in settee
- 120VAC or 24VDC lighting
- 120VAC outlet (3)
- Center island w/ drawers

Master Heads (2)

- Medicine cabinets with mirrors
- Tecma Silence Plus fresh water flush toilets
- Cork, Teak, Amtico or Oak flooring with in-floor radiant heat
- Non skid shower room flooring
- 120VAC or 24VDC lighting
- 120VAC outlet (1)
- Corian® counter tops w/ drawers under
- Corian Sinks with Grohe faucets
- Stall shower with frameless glass shower doors, Grohe shower fixtures
- Grohe towel racks and toilet paper holders

VIP Stateroom

- Tapered queen berth with pillowtop Handcraft mattress and storage under
- Mattress platform with hydraulic lift for access under
- Carpeted flooring with sound insulating pad under
- Hanging locker
- Portlights (2 vertical)
- 120VAC or 24VDC lighting
- 120VAC outlet (3)
- Drawers

VIP Head

- Medicine cabinet with mirror
- Tecma Silence Plus fresh water flush toilets
- Cork, Teak, Amtico or Oak flooring with in-floor radiant heat
- Portlights (1)
- Non skid shower room flooring
- 120VAC or 24VDC lighting

- 120VAC outlet (1)
- Corian counter top
- Corian Basin with faucet
- Stall shower with frameless glass shower doors, Grohe shower fixtures
- Grohe towel racks and toilet paper holders

Guest Stateroom

- Single berths (2) with Handcraft mattresses and drawers under
- Third berth athwart ship, suspended from underside of stairs by hinge so that it can swing down for use when desired.
- Carpet flooring with sound insulating pad under
- Hanging locker (1)
- 120VAC or 24VDC lighting
- 120VAC outlet (2)
- Drawers
- Mirror (1)

Guest Head

- Medicine cabinet with mirror
- Tecma fresh water toilet
- Cork, Teak, Amtico or Oak flooring
- Portlights (1)
- Non skid shower room flooring
- 120VAC or 24VDC lighting
- 120VAC outlet (1)
- Corian counter top
- Corian Basin with faucet
- Stall shower with frameless glass shower door and Grohe fixtures
- Grohe towel racks and toilet paper holder

Pilothouse Stateroom

- Wide single berth with drawers under
- Mattress platform with hydraulic lift for access under
- Teak, Amtico, or oak flooring
- Hanging locker (1)
- 120VAC or 24VDC lighting
- 120VAC outlet (2)

Pilothouse Head

- Medicine cabinet with mirror
- Tecma fresh water toilet
- "Wet Head" shower
- Fiberglass flooring w/ teak grate

General Interior

- Makore, Sapele, Cherry, mahogany, teak or selected cloth wall covering
- Cork, Teak, Amtico or Oak floors in galley, hallways and pilothouse
- Carpeting with sound insulating pad in saloon and staterooms
- Fiberglass walls and ceilings in shower rooms
- Handcraft innerspring mattresses with pillow-top fabric (Master and VIP)
- Curtains
- Satin interior varnishing
- All wardrobes have lights and be well finished (cedar lined)

-- End of Specifications --

These preliminary specifications have been prepared to cover equipment and materials as accurately as possible. Specifications are continually under review and subject to change without notice.

Date: 6-2-2015

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