



# Morningstar

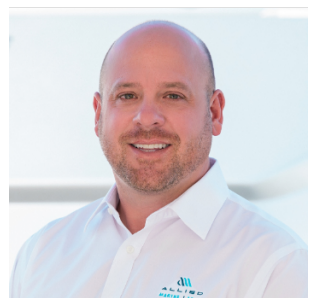
92' (28.04m) 2017 Pershing 92  
Palm Beach Florida United States



## OVERVIEW

**\$4,890,000**

Manufacturer:	Pershing	Hull Material:	Fiberglass
Engines:	2 MTU	Cruise Speed:	34 Knots
Engine Model:	16V 2000 M96L	Max Speed:	40 Knots
Engine HP:	2638	Cabins/Heads:	4 /
Beam:	20' 5"	Fuel Type:	Diesel
Max Draft:	5' 5"	Fuel:	2378 G (9001.7 L)
Water:	317 G (1199.97 L)		



Eric Frank eric.frank@AlliedMarine.com

1-954-600-0369

## Data Sheet

Category: Motor Yachts  
Condition: Used  
Model Year: 2017  
Beam: 20'5" (6.22m)  
Max Draft: 5' 5" (1.65m)  
LOA: 92' (28.04m)  
Cabins: 4  
Sleeps: 6

Maximum Speed: 40 Knots  
Cruise Speed: 34 Knots  
Fuel Type: Diesel  
Hull Material: Fiberglass

Dry Weight: 145505 lbs  
Fuel Tank: 2378 gal (9001.7 liters)  
Fresh Water: 317 gal (1199.97 liters)  
HIN/IMO: XFAP9212H617

## Engines/Generators

### Engine 1

MTU  
16V 2000 M96L  
Inboard  
2638HP  
1967.16KW  
Fuel: Diesel  
Hours: 54

### Engine 2

MTU  
16V 2000 M96L  
Inboard  
2638HP  
1967.16KW  
Fuel: Diesel  
Hours: 54

## Summary/Description

Upon boarding, find a comfortable and spacious sunpad on the aft deck. Painted table with dining for 6, that converts and lowers to add an additional sunpad area to the aft deck. Ice maker, refrigerator and sink on aft deck. Removable sunshade awning with carbon fiber poles. The main salon showcases

Upon boarding, find a comfortable and spacious sunpad on the aft deck. Painted table with dining for 6, that converts and lowers to add an additional sunpad area to the aft deck. Ice maker, refrigerator and sink on aft deck. Removable sunshade awning with carbon fiber poles.

The main salon showcases some of Pershing's latest innovations, thoughtful design features and soft leathers of Paltrona Frau. Find an inviting custom bar on the portside with 3 free standing barstools. Oversized leather sofa with a convertible high/low dining or cocktail table. Walk around decks on the exterior. Aft deck doors open fully and disappear.

Innovations at the helm like state of the art Furuno electronics and surface drive technology make "Morningstar" easy to operate and engaging for both Captains and owners. Comfortable leather seating for 3 at the helm station. Carbon fiber and chrome enhance the look.

Going downstairs, a day head is located on the starboard side, prior to entering the stateroom area. This allows guests to use the restroom without disturbing any of the guest cabins. 4 well-appointed staterooms, each have ensuite heads and showers. Master stateroom with His and Hers access to the Master bath, and an oversized shower with ample natural lighting. VIP stateroom features a large television and leather sofa seating area. Two generously sized twin cabins. Light colored carpeting, headliners and cabinetry are paired with light wood. Condition of all finishings and soft goods are 'like new'.

Brand New Twin MTU M96L's produce 2638 horsepower each for a 40 knot top end and 34 knot cruise. In the galley, the 92 features top of the line Miele appliances, and a full-sized Miele commercial grade refrigeration suite. There are 2 crew cabins for a total of 3 crew.

"Morningstar" features a redesigned bow, with entertaining, seating, dining, and sunning space Carbon fiber poles with sail style sunshade has been customer designed for the bow lounge area. Sundeck features a full helm station with seating for 3. Large adjustable seating area that convert to sunpad behind the driving station.

An oversized swim platform with hydraulic garage open up to house toys, tenders, jetskis, etc. Space for a 395 Williams Jet Tender and Jetski.

## Walk Through

### Factory Options:

- Electric Retractable Mast
- Yacht Controller
- Seakeeper 2 x NG9
- Bar stools
- TV 49" in saloon
- TV 55" in master cabin
- Auto identification system AIS receiver
- Mosaic in master bathroom
- Mosaic in VIP bathroom
- Mosaic in stbd guest bathroom
- Mosaic in port guest bathroom
- External upholstery
- Marble bar top for salon
- Main deck salon rug
- Side door on walk- way, port side
- JL Audio Upgrade
- Upgraded Furuno navigation package with 2 x 24" monitors & 19" monitor for CCTV and Naviop
- Easy dock for surface drives
- Naviop
- Upgrade domotic in the VIP and guest cabins
- Bar unit in the salon
- Carpet in all cabins
- Cockpit table with electrical movement
- Table in front of the sofa
- Sun Deck tables, upgraded
- Lights under bathing platform
- Generator battery charger (x2)
- Canvas package
- Wine cellar
- Watermaker 180 lt
- Painting of the hull and superstructure Charcoal Metallic
- Stern thruster hydraulic (40 hp)
- Additional hand shower hot/cold water at stern
- Second helm station + furniture/seat on the sun deck
- Decorative cushions
- Air compressor
- Air/co Super Tropic 180.000 BTU
- Cockpit camera port side
- Pullman bed in both guest cabins
- Sunshade awning with poles for upper sun deck
- CCTV system - 2 aft - 2 engine room
- Fischer Panda Generators 2 x 28Kw Diff. from 20Kw Std.)

#### **Standard Equipment:**

#### **SUN DECK / ACCESS TO SUN DECK**

- External shower
- Low lighting
- Navigation lights

- Side handrail on the sun deck
- Stainless steel handrail
- Stern vtr sofa
- Sunpad
- Drawer fridge, 29lt
- Dining Table
- Teak floor
- Waterproof speakers (2) with independent control

#### **ANTENNAS AREA**

- Dome (2)
- GPS Antenna (2)
- GRP radar arch (radar support, antennas, signals)
- Primary Open Array Radar
- Antenna
- SAT TV antenna Ø 65 cm with dome
- Signal mast in stainless steel
- TV antenna
- VHF antenna (2)

#### **MAIN DECK COCKPIT / OUTSIDE AFT DINETTE**

- GRP ceiling
- Ceiling lights
- GRP furniture port side
- GRP furniture stbd side
- Electric system height-adjustable grp table
- Sofa with seats and back rest up holstered in vinyl fabric
- Fridge 35L
- Sun pad upholstered in Perma-suede
- Side locker with closure (2)
- Stainless steel handrail Ø
- 40mm with stanchions Ø
- Teak cockpit flooring

#### **ACCESS TO THE BATHING PLATFORM**

- External ladder for access to sun deck with teak steps and stainless steel handrail

#### **AFT MOORING STATION**

- Capstan 1700W with foot control (2)
- Fair lead in stainless steel with rolls (2)
- Stainless steel mooring cleat(4)

#### **ACCESS TO THE BATHING PLATFORM**

- Aft steps in teak
- Fresh water tap
- GLENDINNING 100A
- Hot/ cold water shower

- Hydraulic hideaway swim ladder on stbd rear sponson
- Shore line cable 15m
- Shore water inlet
- Stainless steel gate for cockpit entry (2)
- Stainless steel mooring cleat(2)
- Storage in port rear sponson
- Swimming platform with hydraulic movement
- Telescopic hydraulic hide away gangway with (2) remote control

#### **AFT GARAGE WITH ANTISKID**

- Composite fiber hatch
- Kit hydraulically powered tailgate
- Waterproof lights in garage (2)
- Tender and jet ski towing system
- Winch (2)

#### **SIDE WALKWAYS ACCESS TO THE CREW AREA**

- Electric pantograph sidedoor sx
- Ladder
- Black water pump out cap
- Electric pantograph side door(2)
- Fairlead in stainless steel with cleats (4)
- Fiberglass grab rail on side of superstructure (2)
- Fresh water filling cap
- Fuel filling cap (2)
- Led lighting
- Side Pershing Logo in silicon (2)
- Stainless steel railing Ø 40mm with stanchions Ø 30mm
- Teak floor

#### **BOW MOORING STATION**

- Access to bow locker with hatch and lock
- BRUCE type anchor 50Kg with swivel joint and safe hook
- BRUCE type anchor 80Kg with swivel joint and safe hook
- Fairlead in stainless steel with rolls (2)
- Forepeak
- Galvanized chain 100m 14mm(2)
- Shower inside forepeak
- Stainless steel mooring bow anchor roller
- Stainless steel mooring cleat(4)
- Windlass 2700W with waterproof control pad (2)

#### **OUTSIDE FORWARD DINETTE**

- Bimini with poles
- Bow sofa
- Stainless steel handrail Ø40mm with stanchions Ø30mm
- Sunbed upholstered in Perma-suede
- Gas piston height-adjustable extensible GRP table

- Led lighting
- Side locker with closure (2)
- Stern sofa upholstered in Perma-suede
- Teak floor
- Waterproof speakers (2)

#### **BOW SUNBED AREA**

- Sunbed upholstered in Perma-suede
- Side locker with closure (2)
- Stainless steel handrail Ø
- 40mm with stanchions Ø 30mm

#### **MAIN SALOON**

- Audio-Video System
- 49" 60Hz LED TV with electric lifting
- Rack Audio-Video
- SAT/TV decoder (with remote control)
- Single remote control for the entire saloon audio-video system (I-Pad)
- Sistema diffusori dolby surround 5+1
- Built in LED ceiling spotlights
- Ceiling covered in leather
- Chairs in leather (8)
- Coffee table
- C-shaped sofa
- Digital dimmer
- Digitally controlled A/C system
- Electric fabric roll curtains
- Formal dining glass table 8 places
- Furniture in wood essence with glass top portside
- Fridge (75lt)
- Ice Maker 60Hz

#### **HELM STATION**

- Alarms and NAVIOP electric integrated data unit
- Autopilot
- Bow thruster joystick
- Carbon look finishing instrument panels
- Case monitors in matt finish GRP covered with leather (3)
- Compass
- Co-pilot seat upholstered with leather, with double electric control (2)
- Depth / Speed indicator
- EASY SET function
- Electronic levers for engine controls
- Engine room remote camera on plotter screen
- Glove compartment
- Helm wheel in leather
- Interceptor joystick
- Internet system to cover the coast (GPRS / UMTS), data system WIFI / LAN

- Multifunction touch display for navigation system (radar, chart plotter, GPS, echo sounder, monitoring system, engines and surface drive data)
- Pilot seat upholstered with leather, with double electric control
- Radar
- Surface propellers trim joystick
- Tiller
- Touch display for engine and surface drive control
- USB socket
- VHF radio
- Windshield in transparent tempered glass
- Windshield wiper /washer (2)
- Intercom cordless system
- Lateral walls upholstered with leather
- Light switches
- Port side furniture with TV lift, electric mechanism
- Rug under the sofa
- Side windows in monolithic/stratified tempered glass
- Sliding aft door in stainless steel and multi-layer tempered glass
- Stbd handrail
- Stbd side furniture in wood essence with glass top
- Cutlery set for 12 people
- Glasses set for 12 people
- Porcelain set for 12 people
- Wood racks for glasses, tableware
- Structural GRP floor covered with parquet
- Table lamp (2)

#### **ACCESS TO GALLEY / CREW QUARTER**

- Access door in wood essence
- Access to crew quarter towards by a wood essence lined stairs
- Handrail

#### **ACCESS TO LOWER DECK**

- Access to the lower deck by a wood essence lined stairs
- Handrail

#### **LOWER DECK**

#### **DAY HEAD**

- Access sliding door in wood essence
- Door handle with thumb lock
- Air extraction outlet
- Built in LED ceiling spotlights
- Curtain compartment in laminate
- Digitally controlled A/C system
- Electric WC in porcelain
- Lacquered ceiling
- Light switches soft touch panel



- Manual aluminum Venetian blind
- Mirror
- Opening porthole in stainless steel with mechanic hook
- Soap dish
- Structural GRP floor covered with parquet
- Toilet brush holder
- Toilet roll holder
- Towel rack
- Walls covered with laminate panels and lacquered curtain frame
- Washbasin in porcelain
- Washbasin mixer tap
- Washbasin unit with glass top, in wood essence with internal shelf

## **LOBBY**

- Built in wardrobe on corridor access port bulkhead
- LED ceiling lights
- Light switches
- Structural GRP floor covered with parquet

## **VIP CABIN**

- Access door in wood essence
- Chromed door stops for interiors
- Door handle with thumb lock
- Audio/Video System
- Built-in loudspeaker (2)
- LED TV 32" 60Hz
- Mini Hi-Fi
- TV/SAT decoder
- Ceiling panels covered with vinyl fabric and lacquered wood ceiling frame
- Digitally controlled A/C system
- Dimmer
- Double bed with head border upholstered and locker underneath
- Mattress, pillow and bed cover (2)
- Electric fabric roll curtains
- Electric roller blackout curtains
- Emergency exit to main deck from circular hatchway and hideaway ladder
- Hanging locker with mirror door and internal shelves
- Hinged hatchway in plexiglass with external and internal handle
- Intercom cordless system
- LED ceiling lights
- Light switches soft touch panel
- Mirror on fore bulkhead
- Nightstand (2) with glass top
- Opening porthole in stainless steel with mechanic hook (2)
- Reading lights (2)
- Seat upholstered in leather at bow side
- Structural GRP floor covered with carpet
- Walls covered in wood essence and wall paper
- Wardrobe in wood essence, wood essence paneled inside, with clothes rail and internal light

- Digital safe
- Window glass port and stbd side
- Wood essence furniture with hinged

## **VIP BATHROOM**

- A/C system outlet
- Access door in wood essence, lacquered inside
- Door handle with thumb lock
- Clothes hook (2)
- Curtain compartment in white laminate
- Electric WC in porcelain
- Hanging locker with mirror door and internal shelves
- LED ceiling lights
- Light switches soft touch panel
- Manual aluminum Venetian blind
- Opening porthole in stainless steel with mechanic hook
- Shower box with tempered glass door
- Internal shower walls covered with mosaic
- Shower floor and seat in mosaic
- Shower head and shower handset
- Soap dish
- Structural GRP floor covered with parquet
- Toilet brush holder
- Toilet roll holder
- Toothbrush rack
- Towel rail (2)
- Walls covered with laminate panels, mosaic and lacquered curtain frame
- Washbasin cabinet in wood essence with glass top and internal locker
- Washbasin faucet
- Washbasin in porcelain
- White lacquered ceiling

## **PORT SIDE DOUBLE**

### **GUEST CABIN**

- Access door in wood essence
- Chromed door stops for interiors
- Door handle with thumb lock
- Audio-Video System
- Built in loudspeaker (2)
- LED TV 28" 60Hz
- Mini Hi-Fi
- TV/SAT decoder
- Ceiling panels covered with vinyl fabric and lacquered wood ceiling frame
- Digitally controlled A/C system
- Electric fabric roll curtains
- Electric roller blackout curtains
- Intercom cordless system
- LED ceiling lights

- Light switches soft touch panel
- Mirror on Stbd bulkhead
- Nightstand (2)
- Opening porthole in stainless steel with mechanic hook
- Reading lights (2)
- Sliding Single bed with head border upholstered in leather (2)
- Mattress, pillow and bed cover (2)
- Structural GRP floor covered with carpet
- Walls in wood essence and wallpaper
- Wardrobe in wood essence, laminate paneled inside, with clothes rail and internal light
- Window glass port side

## **PORT SIDE GUEST**

### **BATHROOM**

- A/C system outlet
- Access door in wood essence, lacquered inside
- Chromed door stops for interiors
- Door handle with thumb lock
- Clothes hook (2)
- Curtain compartment in white laminate
- Electric WC in porcelain
- Hanging locker with mirror door and internal shelf
- LED ceiling lights
- Light switches soft touch panel
- Manual aluminum Venetian blind
- Opening porthole in stainless steel with mechanic hook
- Shower box with tempered glass door
- Internal shower walls covered with mosaic
- Shower floor in mosaic
- Shower head and shower handset
- Soap dish
- Structural GRP floor covered with parquet
- Toilet brush holder
- Toilet roll holder
- Toothbrush rack
- Towel rail (2)
- Walls covered with laminate panels, mosaic and lacquered curtain frame
- Washbasin cabinet in wood essence with glass top and internal locker
- Washbasin faucet
- Washbasin in porcelain
- White lacquered ceiling

## **STARBOARD SIDE DOUBLE**

### **GUEST CABIN**

- Access door in wood essence
- Chromed door stops for interiors
- Door handle with thumb lock

- Audio-Video System
- Built in loudspeaker (2)
- LED TV 28" 60Hz
- Mini Hi-Fi
- TV/SAT decoder
- Ceiling panels covered with vinyl fabric and lacquered wood ceiling frame
- Digitally controlled A/C system
- Electric fabric roll curtains
- Electric roller blackout curtains
- Intercom cordless system
- LED ceiling lights
- Light switches soft touch panel
- Mirror on aft bulkhead
- Nightstand
- Opening porthole in stainless steel with mechanic hook
- Reading lights (2)
- Single bed with head border upholstered in leather (2)
- Mattress, pillow and bed cover (2)
- Structural GRP floor covered with carpet
- Walls in wood essence and wallpaper
- Wardrobe in wood essence with clothes rail and internal light
- Window glass stbd side

#### **STARBOARD SIDE GUEST BATHROOM**

- A/C system outlet
- Access door in wood essence, lacquered inside
- Chromed door stops for interiors
- Door handle with thumb lock
- Clothes hook (2)
- Curtain compartment in white laminate
- Electric WC in porcelain
- Hanging locker with mirror door and internal shelves
- LED ceiling lights
- Light switches soft touch panel
- Opening porthole in stainless steel with mechanic hook
- Shower box with tempered glass door
- Internal shower walls covered with mosaic
- Shower floor and seat in mosaic
- Shower head and shower handset
- Soap dish
- Structural GRP floor covered with parquet
- Toilet brush holder
- Toilet roll holder
- Toothbrush rack
- Towel rail (2)
- Walls covered with laminate panels, mosaic and lacquered curtain frame
- Washbasin cabinet in wood essence with glass top and internal locker
- Washbasin faucet
- Washbasin in porcelain

- White lacquered ceiling

## **MASTER CABIN**

- A/C outlet above side windows
- Audio-Video System
- Dolby surround sound system 5+1
- LED TV 40" 60Hz
- SAT/TV decoder (with remote control)
- Single remote control for the audio-video system (I-Pad)
- Ceiling panels covered with vinyl fabric and lacquered wood ceiling frame
- Central mirrors on stern bulkhead
- Curtain compartment with vinyl fabric
- Digitally controlled A/C system
- Double bed with headboard, leather lined bed border and storage underneath
- Mattress, pillows and bed cover (2)
- Electric fabric roll curtains
- Electric roller black out curtains
- Fixed side windows in tempered glass and (2) opening porthole in stainless steel
- Fridge 42lt
- Furniture in wood essence, under TV with desk folding top, forward
- Furniture in wood essence, with glass top, doors with leather and internal shelves, port side
- Intercom cordless system
- Leather TV walls covered
- LED ceiling lights
- Light switches soft touch panel
- Locker at port side
- Digital safe
- Nightstand with glass top (2)
- Ottoman upholstered in leather
- Reading light (2)
- Stbd chaise-lounge
- Structural GRP floor covered with carpet
- Wood essence lined stairs

## **PORT SIDE MASTER**

### **BATHROOM**

- A/C system outlet
- Access door in wood essence, lacquered inside
- Chromed door stops for interiors
- Door handle with thumb lock
- Bidet in porcelain
- Clothes hook (2)
- Curtain compartment in white laminate
- Electric WC in porcelain
- Fixed side windows in tempered glass and opening porthole in stainless steel
- LED ceiling lights
- Light switches soft touch panel
- Manual aluminum Venetian blind

- Mirror
- Shower box with tempered glass door
- Internal shower walls covered with mosaic
- Shower floor and seat in mosaic
- Shower head and shower handset
- Soap dish
- Stern bulkheads sound insulation
- Structural GRP floor covered with parquet
- Toilet brush holder
- Toilet roll holder
- Toothbrush rack
- Towel rail
- Walls covered with laminate panels, mosaic and lacquered curtain frame
- Washbasin cabinet in wood essence with glass top and internal locker
- Washbasin faucet
- Washbasin in porcelain
- White lacquered ceiling

#### **STARBOARD SIDE MASTER BATHROOM**

- A/C system outlet
- Access door in wood essence, lacquered inside • Chromed door stops for interiors
- Door handle with thumb lock
- Bidet in porcelain
- Clothes hook (2)
- Curtain compartment in white laminate
- Electric WC in porcelain
- Fixed side windows in tempered glass and opening porthole in stainless steel
- LED ceiling lights
- Light switches soft touch panel
- Manual aluminum Venetian blind
- Mirror
- Shower box with tempered glass door
- Internal shower walls covered with mosaic
- Shower floor in mosaic
- Shower head and shower handset
- Soap dish
- Stern bulkheads sound insulation
- Structural GRP floor covered with parquet
- Toilet brush holder
- Toilet roll holder
- Toothbrush rack
- Towel rail
- Walls covered with laminate panels, mosaic and lacquered curtain frame
- Washbasin cabinet in wood essence with internal locker
- Washbasin faucet
- Washbasin in porcelain
- White lacquered ceiling

#### **GALLEY**

- Access door in wood essence
- Chromed door stops for interiors
- Door handle with thumb lock
- Audio-Video System
- Built in circular loudspeakers (2)
- LED TV 24" 60Hz
- Mini Hi-Fi
- Built in ceiling LED lights and built in spotlights underneath shelves
- Ceramic glass hob with 4 burners
- Digitally controlled A/C system
- Dishwasher for 12 people
- Dryer
- Electric vented oven with tempered glass and stainless steel door
- Extractor fan 230V with external outlet
- Foldable table with aluminum base (adjustable height)
- Freezer with 8 drawers
- Fridge 325lt
- Galley wood top with stainless steel sink
- Mixer tap
- Hanging locker with door and internal shelves
- Intercom cordless system
- Light switches soft touch panel
- Structural GRP floor covered vinyl
- Under top unit with doors and internal shelves
- Vinyl fabric ceiling
- Walls covered in vinyl panels
- Washing machine

#### **CAPTAIN'S CABIN**

- Built in ceiling LED spotlights
- Ceiling covered with vinyl fabric
- Digital safe
- Digitally controlled A/C system
- Door for access to captain's cabin
- Chromed door stops for interiors
- Door handle with thumb lock
- Light switches soft touch panel
- Locker with lacquered door, clothes rail
- Loudspeaker (2)
- Manual aluminum Venetian blind
- Mini Hi-Fi CD
- Opening porthole in stainless steel with mechanic hook
- Reading light
- Single bed with storage underneath
- Structural GRP floor covered in vinyl material
- Walls covered with vinyl fabric
- Window glass port side

#### **CAPTAIN'S BATHROOM**

- Built in ceiling spotlights
- Clothes hook
- Door lacquered
- Door handle with thumb lock
- Electric WC in porcelain
- Floor covered in teak with grating
- GRP washbasin
- Hanging locker in laminated wood with opening doors
- Lacquered ceiling
- Light switches soft touch panels
- Manual aluminum Venetian blind
- Mirror
- Opening porthole in stainless steel with mechanic hook
- Pull-out mixer tap
- Shower
- Toilet brush holder
- Toilet roll holder
- Towel rack
- Walls covered with laminate
- Washbasin furniture in white lacquered wood with doors and shelf

#### **DOUBLE CREW CABIN**

- Ceiling covered with vinyl fabric
- Digitally controlled A/C system
- Hinged door for access to crew cabin
- Chromed door stops for interiors
- Door handle with thumb lock
- LED spotlights
- Light switches soft touch panels
- Loudspeaker (2)
- Manual aluminum Venetian blind
- Mini Hi-Fi CD
- V Opening porthole in stainless steel with mechanic hook
- Reading light (2)
- Single bed
- Single bed with chest of drawer
- Structural GRP floor covered with vinyl
- Walls covered with vinyl fabric
- Window glass stbd side

#### **CREW BATHROOM**

- Built in ceiling spotlights
- Clothes hooks (2)
- Door lacquered
- Chromed door stops for interiors
- Door handle with thumb lock
- Electric WC in porcelain
- Floor covered in teak
- GRP washbasin



- Hanging locker in ivory lacquered wood with doors
- Lacquered ceiling
- Light switches soft touch panels
- Manual aluminum Venetian blind
- Mirror
- Opening porthole in stainless steel with mechanic hook
- Pull out mixer tap with hoses and fixing point on the wall
- Toilet brush holder
- Toilet roll holder
- Towel rack
- Walls covered with laminate
- Washbasin furniture in white lacquered wood with doors and shelf

## **TECHNICAL AREA**

### **ENGINE ROOM**

- Air compressor 24V
- Air intakes with condensation removal system
- Coupling joint between gearbox flange and surface propeller flange (2)
- Diesel engine MTU 16V 2000 M96L 2638mhp (2)
- E/pumps for A/C
- Electric extractor (2)
- Engine exhaust muffler (2)
- Floor covered with aluminum non-skid surface
- Generator manifold and gas separator (2)
- Hydraulic oil heat exchanger
- Hydraulic unit for platform, trims, interceptors and steering
- Hydraulic units for gangway, garage door, aft door and swim ladder
- Light alloy waterproof door
- Light switches
- Power generator 28kW 50Hz with soundproof housing (2)
- Stainless steel engine exhaust raiser (2)
- Stainless steel protection rail and supports around the engines (2)
- Thermal acoustic insulation
- Waterproof camera interfaced with helm station (2)
- Waterproof fixed explosion proof neon light (8)

### **PROPULSION AND MANEUVERING EQUIPMENT**

- Blades 6 Nickel - Aluminum - Bronze (2)
- Electro-hydraulic steer by wire steering
- Hydraulic bow thruster
- Interceptor corrector (2)
- Surface drive system with automatic trim

## **SYSTEMS**

### **FRESH WATER SYSTEM**

- Boiler 50lt 230V (2)
- Fresh water pump 24V 230V

- Fresh water tap
- Level sensor
- Shore fresh water intake with pressure regulator
- Structural GRP main tank 1200l
- Watermaker 130 lt/h

## **SEA WATER SYSTEM**

- By-pass valve for emergency bilge discharge from engines (2)
- Dynamic seawater intake (2)
- Fire extinguishing and chain wash e/pump
- Sea water basket filter for engines, power generators, A/C pumps, services and fire extinguishing system (5)
- Sea water inlet for chain wash and fire extinguishing in forward locker
- Static seawater intake (3)

## **GREY WATER SYSTEM**

- E/pump main tank discharge
- Grey water 3 way valve in galley
- Level sensor
- Manifold by-pass for emergency grey and black water pump discharge
- Return electric pumps in main tank for captain shower, crew shower and galley
- Structural GRP tank (350lt)

## **BLACK WATER SYSTEM**

- E/pump tank discharge
- Level sensor
- Tank (300lt) with deck connection for tank pumping out

## **FIRE EXTINGUISHING**

### **SYSTEM**

- Emergency engine shut down remote control
- Fire extinguishing system and alarm activation remote control
- Manual /automatic extinguisher in engine room(FIRE BOY)
- Manual powder extinguisher 2Kg in engine room
- Manual powder extinguishers 1Kg (1 for each room)
- Manual powder extinguishers 6Kg (1 in the cockpit)
- Smoke detector system

## **AIR CONDITIONING SYSTEM**

- A/C in all cabins, bathrooms and upper saloon (crew bathroom excluded)
- Compressor for American A/C main unit

## **ELECTRICAL SYSTEM**

- Batteries cut -off
- Earthing system all along the hull joined to the anodes protection (zincs) on the transom
- Emergency parallel connection between service batteries and engine starter
- Engine starter battery (4)

- Engines battery charger
- Frequency Converter 36KVA
- Ground fault interrupters 120V 6mA in all heads, galley and engine room
- Inverter 2500W for 230V onboard services
- Main electric panel with magneto thermic switches
- Voltage measuring instruments 24V/230V
- Power generator starter battery (2)
- Service battery (12)
- Services battery charger
- Shore socket and cable 400V three phase with electric reel
- Socket American type 120V, double in each box
- Transformer three – single phase

## **FUEL SYSTEM**

- Electronic fuel level
- Fuel decanter filter (2)
- Fuel sight gauge
- Generator filter: single type Racor (2)
- Manual fuel discharge/load drainage pump
- Structural GRP tank 9000l

## **BILGE SYSTEM**

- Automatic /manual immersion electro pump for bilge discharge in each compartment with level sensor (6)
- E/pump with valve system for the separated or joint bilge or fire extinguishing centralized suction system
- Emergency engine room bilge system discharge through engines intake suction



















































