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## M/Y Panta Rei - Monachus 70 Fly 2022

### Technical specification and equipment:

European Conformity, EC-Class 'A'

#### BASIC DATA

LOA: 21,1m / 70 ft

Max. width: 5,8m / 14 ft

Draft: 1,3m / 3,7 ft

Displacement approx.: 35t / 77 000 lb

Fuel capacity: 3600 l / 951 US gal

Fresh water capacity: 1200 l / 317 US gal

Black and grey water capacity: 650 l + 350 l / 172+93 US gal

**LAYOUT:** 4 cabins / 4 bathrooms + bow crew cabin with bathroom

#### A.) ENGINES

2 x VOLVO D13 - IPS 1200, DPS-dynamic positioning system, self-leveling interceptors, IPS maneuvering joystick (2nd and 3th joystick included), 31 kts

#### B.) DECK FITTINGS

1. Teak-laid on the complete deck and flybridge
2. Self-stowing 50kg/110lbs Delta anchor with 100m of chain
3. Reversible electric anchor winch with controls on foredeck, helm position and flybridge
4. Stainless steel cleats 4 pairs
5. Stainless steel fairleads and handrails
6. Twin electric-powered sternline mooring winches
7. Freshwater deck/anchor wash
8. Foredeck seating and sunbathing area with mattresses
9. LED deck level lighting
10. Besenzoni 4.5m hydraulic letterbox passerelle
11. Side access door in cockpit

#### C.) OUTDOOR COCKPIT

1. Outdoor sofa with fixed table
2. Three armchairs for cockpit
3. Twin transom gates leading to bathing platform

4. Electro-hydraulic raise/lower bathing platform
5. Folding ladder on the bathing platform
6. Hot and cold water shower on the bathing platform
7. Transom door to dinghy garage/storage area
8. Two hatches with gas spring for entrance in the engine room
9. Locker housing 220V shore support inlet
10. Sun awning on self standing stainless steel construction
11. Docking joystick

## **D.) FLYBRIDGE**

1. Stainless steel and teak wood stairs from the outdoor cockpit to fly
2. Teak floor on flybridge
3. Inlet hatch to fly-bridge
4. Stainless steel railing
5. Tinted glass wind deflector
6. Anchor light mast
7. Control levers for engines, maneuvering joystick
8. Garmin-Volvo 21" display NMEA 2000 networked for navigation data, engine data, autopilot, alarms and control switches, VHF/RT, STD
9. Large seating/sunbathing area with fixed table
10. Twin adjustable helm seats
11. Drawer fridge for drinks
12. Music set with waterproof speakers
13. LED ambijental lights
14. Bimini top on Flybridge
15. Lifteraft for 12 pax. fixed in the storage

## **E.) INTERIOR**

### *a) Helm position*

1. Adjustable leather helmans seat
2. Control levers for engines, maneuvering joystick
3. Three Garmin 16" displays conected in NMEA 2000 network for navigation data, engine data, autopilot, radar, alarms and control switches, VHF/RT
4. 24V and 230V control panel
5. 12V outlet
6. Red night lighting

### *b) Deck salon*

1. Sliding doors to aft cockpit with opening galley window
2. Electro-hydraulic stainless steel door to the side deck
3. U-shaped seating area with (adjustable dining or club) table
4. Three door commode with shelves
5. Entertainment center incorporating UHD LED TV on electric raise/lower mechanism and audio system with streaming capability and Blu-ray player connected to speakers
6. Furnished sideboard unit with bottle and glass storage, refrigerator and icemaker
7. Access to lower deck area

*c) Galley*

1. 4-zone ceramic hob
2. Combination convection oven,
3. Stainless sink with mixer tap
4. Full-height fridge/freezer
5. Dishwasher
6. Storage cupboards, drawers and lockers

*d) Accommodation*

1. All cabins and bathrooms feature opening portholes
2. Each cabin is provided with its own AC unit mounted in the engine room and with a control panel in the cabin
3. All cabins feature 230V power points and USB plugs
4. In all cabins ceiling lighting and LED ambient lighting with the possibility of dimming
5. All mattresses with three pressure zones
6. All bathrooms feature full shower stalls, vacuum-electric freshwater toilets, extractor fan and 230V shaver points
7. A combination washer/dryer is fitted in the stateroom lobby or in the engine room

*e) Owners stateroom*

1. Large double bed with storage below
2. Each bedside is provided with a nightstand
3. Twin wardrobes with shelves and hanging space
4. Dressing table with drawers
5. Sofa or two upholstered chairs with PC table in middle
6. UHD LED TV, audio system with speakers
7. En suite bathroom

*f) Forward vip guest cabin*

1. Large double bed with storage below
2. Each bedside is provided with a nightstand
3. Twin wardrobes with shelves and hanging space
4. Both side commodes with shelves and drawers
5. Deck hatch
6. En suite bathroom

*g) Starboard guest cabin*

1. Two single beds with storage below
2. Wardrobe with shelves
3. Night stand
4. En suite bathroom

*h) Port guest cabin*

1. Two single beds (one bunk bed) with storage below
2. Wardrobe with shelves
3. En suite bathroom

*i)* Bow cabin

1. Two single beds (one bunk bed) with storage below
2. Wardrobe with shelves
3. En suite bathroom with shower

*j)* Interior finish

1. Furniture in American walnut wood with a satin gloss finish
2. In all bathrooms ceramic floor surfaces and shower cabins walls, quartz marble worktop
3. Solid marble worktop in galley
4. American cherry wood floor in saloon, galley and lower deck corridor
5. Choice of high quality carpets and upholstery fabric from extensive range for cabins
6. Blinds and sun screens to all windows and portholes
7. Interior details handmade from solid American cherry wood

**F.) POWER AND DRIVE SYSTEM**

1. 3 blade dup-props in nickel aluminium bronze
2. Bow thruster 270kgf with joystick control on each helmsman position
3. Power-assisted electro-hydraulic steering system with hydraulic back-up
4. Electronic engine and gear shift controls on fly bridge and main deck helmsman position
5. IPS system with maneuvering joystick on 3 position
6. Volvo DPS - Dynamic position system, automatically keeps the boat in the desired position longitudinally and transversely
7. Volvo IPS self-leveling interceptors automatically keeps the boat in the level during navigation
8. Engine room extractor fan with electronic time delay

**G.) ELECTRICAL SYSTEMS**

*a)* 24V

1. 4 x heavy duty batteries for engine start
2. 6 x heavy duty service batteries
3. 120 amp battery charger 230 to 24V, charges both banks of batteries via an automatic switch charging system
4. Inverter 24V to 230V, 8kW servicing all 230V electric devices
5. 30 amp battery charger 230 to 12V charging generator battery
6. Galvanic isolator to prevent electrolytic corrosion
7. Garmin EmpirBus system with NMEA 2000 network incorporating all onboard electrical and electronic devices in smart communication circle
8. Remote battery master switches with control switch at main panel
9. LED lighting throughout

*b)* 220/240V

1. 18KW diesel generator in sound shield with water cooled specially silenced exhaust
2. 63 amp shore support inlet
3. Earth leakage safety trip, polarity check system, circuit breakers on all circuits
4. Power points in all areas

### **I.) FUEL SYSTEM**

1. Fuel tanks (GRP-epoxy) with interconnection system giving 951 US gal/3600 l capacity
2. Fuel filters on port and starboard side
3. High capacity duplex fuel filters/water traps with audible and visual fuel contamination warning system, STD
4. Remote fuel isolation controls at helm position

### **J.) WATER SYSTEM**

1. 1.200L/317 US gal plus 19 US gal/73l hot water boiler, heated by engines and 230V immersion heater
2. High capacity water supply hydrophore
3. Water level gauge
4. Deck filter
5. Electric freshwater WC system

### **K.) SAFETY & DOCKING**

1. Electric bilge pumps with auto. level switch and indicators on the command console, (6)
2. High capacity manual bilge pump with valve system and suction points
3. Automatic override fire extinguishers in engine room
4. Hand-operated fire extinguishers in all cabins, galley and lower helm (6)
5. Carbon monoxide detector in each separate room
6. Mooring ropes (4)
7. Fenders (8)
8. Life raft for 12 pax