

Matrix Yacht Vision 450

CONSTRUCTION

All materials are ISO 9002 compliant

Composite sandwich construction is used throughout (excluding keels)

For osmosis protection an isothalic polyester gelcoat is used followed by a layer of tissue and 300gsm chop strand mat and isothalic resin

All fiberglass reinforcement is of engineered stitched fabrics

Vacuum is applied to bond all core materials to cured laminates.

Core material: End-grain balsa, Rigid PVC foam, polyethylene honeycomb and marine plywood

EXTERNAL FINISHES

The hull and deck is white gelcoat

5 Coats of International epoxy primer is applied to protect GRP against Osmosis.

2 Coats of International antifouling

Acrylic windows

Hatches and port-lights will be tinted

All exposed stainless steel pipe work will be bright polished.

FOREDECK

Storage / anchor locker (5x)

Trampoline

COCKPIT

190 liter cockpit refrigerator

Cockpit table

Cockpit cushions

Cockpit storage lockers (4x)

Life raft storage locker

Sliding door

Windscreen

Helmsman station with helmsman's seat

Life ring holders (2x)

Solid Bimini

DECK EQUIPMENT

Lewmar hatches Size 20 (4x)

Size 30 (1x)

Size 50 (2x)

Size 60 (4x)

Laminated glass windows

Guard wires, stanchions, port & starboard gates

Coach roof SS hand rails (2x)

Aluminum cleats (8x)

Pulpit with seat (2x)

Pushpit with seat (2x)

Swimming ladder (1x)

Davits

GROUND TACKLE

Windlass 1000w
Remote control (in anchor locker)
Anchor roller
20kg (44lbs) Delta anchor and 50m of 10mm chain
20mm Nylon bridle, chain hook, SS rings and thimbles
20mm Mooring lines (8x)

WINCHES & DECK GEAR

Lewmar 50EST electric winch (2x)
Lewmar 45ST 2 speed self tailing winch (1x)
Winch handle (2x)
Winch handle pocket (2x)
Mainsheet track and cars
32mm T track Genoa track and cars (2x)
Harken 75mm blocks (4x)
Spinlock rope clutches (6x)

RUNNING RIGGING

Halyards: Main, Genoa - 12mm polyester braid
Topping lift - 10mm polyester braid
Outhaul - 12mm polyester braid
Reefing lines - 12mm polyester braid (2x)
Main sheet 4:1 purchase - 12mm polyester braid
Main sheet traveler - 10mm polyester braid
Genoa sheets - 12mm polyester braid (2x)
Roller furler control line - 10mm polyester braid

SAILS

Quantum fully battened mainsail & 2 reefs
Quantum furling Genoa with UV protection
Stack pack

MAST, SPARS AND RIGGING

Natural anodized aluminium mast
Mast lights: tricolor, deck light, steaming light
Mast steps (3x) and wind indicator
Natural anodized aluminium boom
Natural anodized aluminium crossbeam
Natural anodized compression post
Harken headsail furler system

STEERING SYSTEM

Stainless steel steering wheel
Dual steering system with balanced spade rudders, aluminum shafts, interlinked and connected to the steering wheel and aluminium steering quadrants with stainless steel chain and stranded wire. Conduit in places

ENGINE AND DRIVE SPECIFICATIONS

Yanmar 40 HP diesel engines with sail drives (2x) complete with wet exhaust system, Racor fuel

filters, raw water strainers, Engine instrument panels at Helmstation
3 bladed fixed aluminum propellers
Diesel tank – 1 x 400 liter (105 gal)
Diesel contents gauge at nav station
Diesel fuel deck filler
Exhaust water locks (2x)
Morse MT3 engine control fitted at helm

ELECTRICAL INSTALLATION

Webasto 16000 BTU air conditions / heaters (x2)
Solar panel 2x140 W
Wet cell 96 amp start batteries (2x)
Mastervolt 200 Amp AGM batteries (x3)
Battery switch
Victron Inverter / charger 12/3000/120A/120VAC
Socket outlets 110amp (6x)
Light switches (10x)
300 amp fuse (1no)
External watertight 12v plug and socket
Overhead, reading, spot and fluorescent lights distributed throughout the boat. All lighting 12v.
Gas detector with remote shut off valve
DC / AC switch panel

INSTRUMENTATION

Raymarine Autopilot with p70 control unit
Raymarine rotary drive type 1
Raymarine i70 multi (x2), speed, depth, wind
Raymarine e95 Multi Function Display (radar) & chart plotter
Raymarine 4kW HD digital radar -18" radome
VHF radio
Fusion AV700 iPod CD/DVD/MP3 player with 4 speakers
Offshore 135 binnacle compass
High water alarm with bilge over rides
Cruz Pro digital diesel fuel level gauge (x1)
Diesel fuel and fresh water level gauges (3x)
Black water high level alarm

PLUMBING

Fresh water tanks – 2 x 250 liter (65 gal) tanks
Water filler caps (2x)
Black water holding tanks – 2 x 40 liter (11 gal)
Black water suction caps (2x)
Liquid level monitors for fresh water
Hot & cold pressurized fresh water system
Hot & cold shower on transom (1x)
Grey water sump, pump with strainers (4x)
Hot water calorifiers 25 liter (6 gal) (2x)
Fresh water pumps (2x)
Accumulator tank – 1 liter (1x)
Bilge pump and float switch (4x)

Manual bilge pump with strum box (2x)
Propane cylinder 9kg (1x)

GALLEY

Contoured Corian or equivalent worktop
Storage cupboards (4x)
Drawers (6x)
Concealed dish drying rack with drain
Front loading fridge / freezer (100l)
Gas hob (4 plate) with electronic ignition and flame protections
600mm Gas oven and grill with electronic ignition and flame protections
Double sink with mixer
Hella fan
Sliding window to cockpit

SALOON AREA

Upholstered "L" shaped settee
Saloon table
Storage lockers under settee
Hella fan in galley
Chart table
Display shelf

INTERIOR FINISHES

Work surfaces are Corian or equivalent or gel coat
Ceilings and head linings vinyl
Bulkheads are finished with Formica, gelcoat or vinyl
Upholstery covering to purchaser's choice
Floor covering: carpet / synthetic wood strip flooring

SAFETY EQUIPMENT

Fire extinguishers (3x)
Life rings with drogue and whistle (2x)
MOB light (1x)
Danbouy (1x)

CABINS (4x)

Queen size beds in fwd cabins
King size beds in aft cabins
Hanging lockers in all cabins
Storage lockers with shelving
Head boards and reading lamps above beds
Lewmar hatch trims & screens to hatches

HEADS / BATHROOM (4x)

Planus electric quiet flush (x4)
Corrian or equivalent top to wash hand basin with mixer
Vanity cupboard under wash basins
Mirror, towel rail and toilet tissue holder

Mixers to wash basins and showers
Separate shower cubicle with non-slip floor
Tempered glass shower cubicle wall & door

EXTRAS

Cockpit side and back awnings 10,603
Steering station cover 755
Code 0 package (Sail, halyards, sheets & deck gear) 65,271
Spinnaker package (Sail, halyards, sheets & deck gear) 22,351
Rope bags - 3x 1,069
Underwater lights - Aqualuma blue 3 series LED with wide lens - 2x (installed) 13,073
Triax Omni Direction TV antenna - fitted 2,819
Hella fan - 5x 0
TV bracket for Saloon - (incl materials & fitting) 3,000
Peek-a-boo blinds for bathrooms - 4x 2,109
Oceanair blinds for cabins - 4x 2,798
Safety equipment package (8 man life raft, EPIRB, flares etc) 35,911
Sea Recovery water maker - Aquamatic 700 - 110L/hr - 120VAC 97,110
Mastervolt Whisper 8kva generator 50,000
Saloon freezer - Isotherm cruise Inox - 90L 13,762
Samsung top loading washing machine 9kg (installed & incl transformer) 7,243
Second swim ladder 2,150
Extend swim ladder - (2x) 1,700
Weber Q100 gas barbeque (incl mounting bracket) 3,749
Lewmar 30 self tailing winch & jammer for davits 4,390
Aurinco flat solar panel 100W - 2x (incl regulator) 20,574

UPGRADES

Upgrade Raymarine chart plotter from c95 to c97 chart plotter (incl fish finder) 5,014
Upgrade to solar panel upgrade to Aurinco flat 100W - 2x (incl regulator) 15,218
Upgrade fixed props to Kiwi feathering props - 18"x14" 22,862
Upgrade lifejacket to Viking rescue you Atlantic life jacket - adult - 8x 1,600
Upgrade refrigerator to Isotherm cruise Inox 130L 1,039