

# MARK CAMERON YACHTS

Mark Cameron Yachts, The Braes, Inverneill, Ardrishaig, Argyll, PA30 8ES, UK

Tel: +44 (0)7988 763 254 | info@mcyachts.co.uk



## MFV 57' Converted

**£87,000 GBP**

**United Kingdom**

**Self sufficient converted MFV live aboard.**

Manufacturer/Model	MFV 57' Converted
Name	UNITY
Year	1959
Category	Power
New or used	Used
Status	Available
Price	£87,000 GBP
Price comment	Self sufficient converted MFV live aboard.
Lying	Argyll, United Kingdom

## Specifications

Length overall	17.30 m
Length waterline	15.63 m
Beam	5.43 m
Draft	2.60 m
Displacement	40,650 kg
Hull	Heavy duty wood construction, larch on oak frames.
Keel	Full keel

## Propulsion

Engine	Caterpillar 3406B 250hp @ 1400RPM Straight 6 cylinder, 4-stroke, turbo charged. Keel cooled.
Fuel	Diesel
Fuel capacity	3,000 litres

## Accommodation

Drinking water capacity	1,000 litres
-------------------------	--------------

## Description

Built as a working vessel UNITY finished her commercial activities serving as the mail boat for a Scottish Island community after a period of towing targets for the Royal Navy. Extensively re-fitted at the end of her commercial fishing days she has been lightly converted in the current ownership to create a comfortable, self-sufficient liveaboard.

Offered for sale with a complete inventory of which highlights include:

### **Alloy welded construction deck/wheelhouse**

**Caterpillar 3406B marine diesel engine, 250hp @ 1400RPM**

**Bronze keel coolers**

**Caterpillar 4.50:1 reduction marine reversing gearbox**

**High thrust 4 blade bronze propeller, spare item aboard**

**Dual engine driven alternators**

**On board hydraulics, duplex systems**

**BetaGen 7 marine generator (2019)**

**Solar panels**

**Wind generator**

**Water maker**

**Reflects diesel heaters in forward and aft accommodation spaces.**

**Wallas 800D diesel fired galley range cooker with heater hood. (2022)**

**Eberspacher blown air heating system.**

**Electric flushing marine toilets**

**Deck crane**

**Onboard compressor**

**Onboard pressure washer.**

Ideally suited to use as an expedition vessel for either private or commercial operations UNITY is a unique opportunity to acquire a sympathetically converted MFV already in use as a self-sufficient liveaboard vessel. Just launched after being slipped for her 2022 annual maintenance UNITY is back on her mooring and available for viewing. Over 200 additional photographs available upon request.

## CONSTRUCTION

### **Hull Construction:**

Traditional MFV construction

Oak wood keel

Steel shoe on keel, extending up stem post forward

Oak frames

Oak stringers

Steel strap floors

Oak stringers

Bulwarks replanked with Siberian Larch in 2017

Paint steel capping rail on bulwarks.

Hull painted black with white boot top.

**Deck & Superstructure Construction:**

Oak deck beams

2" quarter sawn larch deck planking

Pitch laid seams

Deck finished in non-slip green deck paint.

Alloy welded deck house and wheel house structure

Toughened glass windows

**Rudder:**

Steel rudder.

Skeg supported

**MACHINERY**

**Engine & gearbox:**

Caterpillar 3406B

250hp @ 1400RPM

Straight 6 cylinder, 4-stroke, turbo charged.

Deep, high capacity sump

Keel cooled

Single lever morse control

Caterpillar MG-509, 4.50:1 reduction ratio hydraulic gearbox

**Maintenance & Performance:**

Engine fully stripped and rebuilt circa 2000 at the cost of £35,000+

Cooling system fully stripped, cleaned and rebuilt (2015)

Serviced with Genuine Caterpillar parts.

Oil changed at every 250hrs or 2 years.

Cruising speed 7.5kts

Max speed 8kts

Approximate range of 1,200nm

**Propulsion & Steering:**

Mild steel lay shaft.

Stainless steel prop shaft connecting to lay shaft.

Twin plumber blocks.

Standard packing gland with greaser

4 blade bronze prop (high thrust)

Spare 4 blade bronze prop

Hydraulic steering system, double acting ram.

**Fuel Filtration:**

Duplex Racor primary filters.

Single secondary filter.

**Hydraulic System:**

Fitted with high and low capacity engine driven pumps, only low capacity pump currently operating.

Hydraulic systems to operate trawl winches for anchors and hydraulic capstan aft

**Autopilot:**

Raymarine X10 SmartPilot Computer

Hydraulic drive system

Raymarine ST6002

**ELECTRICAL SYSTEMS**

**Voltage systems:**

24VDC onboard power system

240VAC shore power system with onboard generation

**Shore Power:**

Single 16amp shorepower connection

Extension lead to connect to shore supply

Hardwired RCD protected system

**Battery Banks:**

Domestic Batteries – 4x 6VDC, 340AH, lead acid. (2015)

Engine Batteries – 2x 12VDC, 155AH, lead acid, Yuasa 1000 super heavy duty (2020)

**Alternator:**

Alternator 1 – 80ah engine driven, charging both banks through splitter

Alternator 2 – 150ah engine driven, charging both banks through splitter.

**Generator:**

Beta 7 Marine genset. (2019)

4 cylinder, naturally aspirated, indirectly cooled engine.

Operating at 1500rpm

6.7kVA max output

6.1kVA continuous output

494.9 hours at August 2020

Remote control panel in wheelhouse

**Battery Charger:**

Victron 240VAC – 24VDC charger.

24VDC, 50amp output.

**Solar Panels:**

3 panels mounted on wheelhouse roof

Charge regulator

**Wind Generator:**

Rutland 914 wind generator

Wheelhouse roof mounted.

Marlec HRDi Electronic brake / charge regulation

**Inverter:**

Victorn Energy

24VDC – 240VAC

240VAC, 750W output.

**Battery Monitor:**

Analogue voltmeter

Battery status monitoring via Marlec HRDi unit

**Other Electrical:**

24VDC – 12VDC voltage droppers for powering charging sockets and instruments.

**PLUMBING & GAS SYSTEMS**

**Fresh Water:**

Pressurised hot and cold water systems

24VDC circulation pump.

Faucets in galley, forward heads and aft heads

Shower in forward heads

**Grey Water:**

Head wash hand basin sinks drain to bilge.

Galley sink drain overboard.

**Water Maker:**

Echo Tec 690-AML-2 desalination plant

Power by generator.

30GPH output

**Deck Wash:**

Engine driven system

Outlet on port side of wheelhouse.

**Bilge Pumps:**

1x engine driven pump

3x electric pumps with manual and auto switching

2x manual bilge pumps, forward and aft.

1x manual, mobile emergency pump

**Gas system:**

2x 13kg propane

Sealed self draining locker.

Cooker only

**TANKAGE**

**Fuel:**

3 mild steel tanks in total

2 tanks port, 1 tank starboard

Combined total capacity of approximately 3000ltr

**Fresh Water:**

Single mild steel tank

Cement washed internally

1000ltr capacity approximately

**Calorifier:**

Single 90ltr capacity domestic tank.

Insulated

240VAC immersion heater

**Tank Monitoring:**

Sight glasses on fuel tanks.

**NAVIGATION & COMMUNICATION EQUIPMENT**

**Wheelhouse:**

Log – Raymarine ST60

Wind – Raymarine ST60

Plotter – Standard Horizon CP300i with external antenna

Fishfinder – Furuno FCV-281, full colour display

Radar – Furuno radar with mast mounted 4kw open array.

GPS – Furuno GP30 Navigator

Electronic Compass – Raymarine ST40

Magnetic Compass – Mounted overhead in wheel house

**Communications Equipment:**

DSC VHF – XM DSC

VHF – Icom IC-M80 VHF

VHF – Sailor RT2048

SSB – Furuno FS-1550

Navtex - Furuno NX-300

4G onboard WIFI system with router and external antenna.

**General:**

Fog Horn – 24VDC with auto controller and set sound signals.

Onboard CCTV – Display in wheelhouse with engine room and aft facing camera

**DOMESTIC EQUIPMENT**

**Galley:**

Wallas 800D diesel fired galley range cooker with heater hood (2022)

240VAC microwave

Single stainless steel sink

H&C water faucet

**Heads:**

2x Dometic Orbit 7160 Electric flush marine toilets (salt water flushing)

**Laundry:**

Candy Aquamatic 3.5kg washing machine

White Knight tumble drier

**Heating & Ventilation:**

Reflex diesel fired convection heater in forward accommodation

Reflex diesel fired wet heating with 24VDC pumped circulation, heating towel rail in forward heads and two radiators.

Heater fitted with independent 40ltr tank

Eberspacher diesel fired blown air system with outlets in forward cabin, wheelhouse and saloon. Thermostatic cabin controller in wheelhouse.

**Refrigeration:**

Isotherm front loading under worktop fridge in galley, 24VDC

Isotherm front loading freezer in aft hold, 24VDC

**Lighting:**

Overhead lighting throughout accommodation

Mixture of LED and fluorescent tube lights

Reading lights in bunks

**Entertainment:**

Sony LCD/DVD player combo television in forward accommodation

Sony LCD/DVD television in wheelhouse

2x Freeview digital TV boxes

Intellan auto tracker Satellite receiver mounted on wheelhouse roof.

**ACCOMMODATION**

**Summary of Accommodation:**

5 Berths in the forward hold are with a comfortable saloon area.

Galley and saloon in aft section of deck house.

Single berth aft with separate heads.

Forward hold area could easily be converted

**Accommodation Finish:**

Traditional style joinery work throughout.

Fitted carpets in forward accommodation.

Hull lined with pine planking forward, ventilation holes throughout.

Wheelhouse lined in plywood panels finished in a dove grey paint.

Varnished pine sole to wheelhouse and saloon.

Description of Accommodation from Forward:

**Forward Hold:**

Accessed from deck forward of wheel house via original hold hatch

Stainless steel 'whale back' type shelter over hatch.

Timber companionway steps leading down

Large open plan living space.

Bench settees port and starboard.

Starboard settee converting to large single bunk.

Storage lockers beneath settee units

Small folding table between settees

TV mounted overhead outboard to port.

Large hanging locker with boot storage beneath aft to port.

Small office/writing desk aft to starboard with Reflex heater.

Full size double bunk to port outboard of companionway steps with storage beneath

Compact double to starboard of companionway, storage beneath bunk.

Tiered shelves with fiddles aft of steps.

Bookshelf running the length of the compartment outboard.

**Forward Heads:**

Located at aft end of forward hold accommodation.

Inboard facing heads located at forward end outboard.

Wash hand basin aft

Shower head inboard with shower stall draining to bilge.

**Wheel House:**

Located at forward end of deck house, elevated above saloon level.

Centrally located KAB helm seat (2017)

Small bench seat to port

Helm station located centrally with instrument array spanning width of wheel house below windscreen.

**Saloon/Galley:**

Occupying aft end of deckhouse.

Doors onto deck aft and to starboard.

L-shaped bench settee to starboard side with fixed saloon table.

L-shaped galley to port forward.

Gas cooker mounted centrally forward with pan gimbals

Storage lockers beneath worktop.

**Aft Hold Space:**

Fitted out as workshop/laundry.

Wash hand basin at forward end of space centrally.

Heads located outboard to starboard.

Workbench to port with tool storage outboard and beneath bench.

Reflecks wet heater mounted centrally aft.

Washing machine and dryer mounted outboard to starboard

Single sea berth to to starboard forward

Storage are extending aft to steering gear.

Access to steering gear via opening deck hatch.

**DECK EQUIPMENT**

**General:**

Overhead A-frame gantry on foredeck.

Central derrick with 24VDC Superwinch hoist.

Manual recovery gantry on starboard side.

Hydarulic crane with electric power winch to port

Spencer Carter hydraulic capstan aft.

Panama style fairleads forward

Deck cleats mounted on foredeck port and starboard

Powered fairleads mounted centrally forward (not operational)

Gunwale mounted cleats on aft quarters and forward to starboard

2x Hydraulic trawl winches, port and starboard forward of wheelhouse, chain and warping drums.

360 degree search light mounted on top of gantry, electic control in wheelhouse

360 degree manually controlled search light on wheelhouse roof

Deck flood lights on gantry and wheelhouse roof.

Alloy communication antenna mast on aft end of wheelhouse roof.

**Canvas Work:**

Wheel house 'tent' enclosure aft end of wheel house.

**Anchoring & Mooring:**

2x CQR plough anchors

1x 25KG Bruce anchor

1x Fisherman anchor

2x Chain rodes, on trawl drums

Large quantity of 3 strand mooring line.

Selection mooring warps

Selection of fenders

**General:**

Extensive selection of main engine spares

Selection of generator spares

240VAC pressure washer

240VAC compressor

Extensive selection of tools

**SAFTEY EQUIPMENT:**

General note on safety equipment: Any safety equipment such as liferafts, Epirbs, fire extinguishers and flares etc. are usually personal to the current owner(s) and if being left on-board as part of the sale of a used vessel may require routine servicing, replacement, or changing to meet a new owners specific needs.

**Navigation Lights:**

Full set of Nav lights suitable for commercial operations.

**Life saving:**

Liferaft – 4 person, cannister. 2017, due service

Gas alarm system

**DISCLAIMER**

In this case we are acting as brokers only.

The Owner is not selling in the course of a business. whilst every care has been taken in their preparation , the correctness of these particulars is not guaranteed. The Purchaser is strongly advised to check the particulars and where appropriate at their expense to employ a qualified Marine Surveyor to carry out a survey and/or to have an engine trial conducted which if conducted by us shall not imply any liability for such engine on our part.

This vessel is offered subject to prior sale, price change, or withdrawal without notice.













