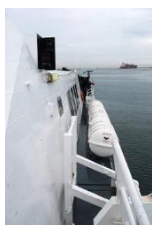


Passenger Ferry Kvaerner Fjellstrand AURORA 2000



Make	Model	Length	Price	Year	Condition
Passenger Ferry Kvaerner Fjellstrand	AURORA 2000	38.8 m	\$ 650,000	1990	Used

Boat Name	Hull Material	Number of Engines	Fuel Type
AURORA 2000	Aluminum	2	Diesel

Additional Information and Photos

Aurora 2000 - Extremely Fast and Efficient. This passenger ferry catamaran - build in 1990 - is considered one of the most desirable people movers. Our office is pleased to offer directly by the owner the following 38.8m catamaran passenger vessel for sale. This Fjellstrand design is widely respected and is offered in good condition. Our office is holding extensive details and can arrange prompt inspection.

Additional Information and Photos

Measurements

LOA: 127 m
Beam: 30.9 m
Number of Heads: 8

Propulsion

Engine #1

Engine Make: MTU turbo -charged
Engine Model: MTU turbo -charged
Primary Engines: Inboard
Hours: unknown
Power: 2000 kW

Engine #2

Engine Make: MTU turbo -charged
Engine Model: MTU turbo -charged
Hours: unknown
Power: 2000 kW

General information

HULL TYPE: Catamaran
LENGTH OVER ALL (L.O.A.): 127 feet
BEAM: 30.9 feet
DRAFT: 5 Feet 3 Inches
GROSS TONS: 442 Ton
NET TONS: 156 Tons
PROPULSION SYSTEM: Twin MTU 16 cylinder Turbo charged
diesel engines
FUEL TYPE: Diesel Fuel
FUEL CAPACITY: Port and starboard fuel tanks capacities
are 1,728 gallons of each.
AC POWER: 115 V.A.C.\ 230 V.A.C.
DC POWER: 12 V.D.C.\ 24 V.D.C.
FRESH WATER CAPACITY: Port and starboard total capacity for
potable water is 456 gallons.

Additional Information and Photos

INTENDED USE/BUYER: Passenger ferry vessel.
BUYER'S EXPERIENCE: License Captain aboard
INTENDED CRUISING AREA: Florida waters and Bahama Island waters.
INTENDED USE: Passenger ferry boat.

Specifications

Type of Vessel: Catamaran Passenger Ferry
Length: 38.8 m
Beam: 9.4 m
Draft Laden: 1.65 m
Flag: Panama
Construction: Aluminium
Builder: Kvaerner Fjellstrand
Tonnage: DWT: 29
GRT: 424
NRT: 156
Launched: 1990
Main Engines: 2 x MTU 16V 396 TB84
Power: 2 x 2,040 at 1,940 rpm
Max Speed: 32 Kts
Gearbox: 2 x ZF BU 755
Propulsion: 2 x Kamewa type 63 SII water jets
Aux Engines: 2 x Mercedes Benz OM 366A - 79 kW MCO at 1,500 rpm each
Generators: Electric Leroy Somer LSA 44 L5
Fuel Cap: 2 x 7,000 L
Fuel Consum: Approx. 900 L/Hr
Water Cap: 1,728 L
PAX Seating: Total over all areas is 357 Passengers
Radios: GMDSS Area A1

Systems-HULL DECK AND SUPERSTRUCTURE

HULL CONSTRUCTION

TYPE:

Catamaran with sharply raked bow stems semi-V planing hull with hard chines.

MATERIAL:

7/16 inch electrical welded aluminum plating.

Additional Information and Photos

EXTERIOR HULL:

Port and starboard hulls are painted blue with white painted cabin super structure.

BULKHEADS:

7/16 inch electrical welded aluminum plated bulkheads.

STRINGERS:

Hull stiffness provided by aluminum longitudinal stringers. Complete inspection not possible due to limited access. Appears serviceable where observed.

STEM:

Sharply raked port and starboard bow stems.

TRANSOM:

Port and starboard square transoms.

BILGE:

Deep (below decks) bilge area provides the area for most boat systems and tankage.

CHAIN LOCKER (DRAINAGE):

Anchor chain locker center bow deck.

LIMBER HOLES:

Limber holes are of adequate size and clear where sighted.

FRAMES (RIBS):

Aluminum frames (ribs). Appeared serviceable where sighted.

DECK CONSTRUCTION

TYPE:

Decks are 7/16 inch thick electrical welded aluminum plating.

MATERIAL:

Aluminum.

DECK FITTINGS

STANCHIONS:

Aluminum stanchions and safety rails around the perimeter of the bow deck and aft deck.

HULL DECK AND SUPERSTRUCTURE

FITTINGS (continued)

CHOCKS AND CLEATS:

Two Port (2) and two Starboard (2) aluminum bollard type cleats on Bow deck. There are also Port and Starboard 12 inch aluminum horn cleats approximately mid ship.

Two Port (2) and two Starboard (2) aluminum bollard type cleats on Aft deck. There are also Port and Starboard 12 inch aluminum horns clears approximately mid ship.

WINDLASS/GIPSY:

Additional Information and Photos

115 V.A.C./230 V.A.C, anchor chain windlass located on the center line bow deck.

HAWSE PIPES:

Aluminum hawse pipe.

DECK SURFACE:

7/16 inch thick electrical welded aluminum plating with anti skid surfaces.

HATCHES:

Anchor chain locker hatch.

ANCHOR PLATFORM:

Aluminum anchor chute with roller assembly.

DAVITS:

Hydraulic davit crane on upper aft deck. Inoperable.

SUPERSTRUCTURE

MATERIAL:

Cabin superstructure is 7/16 electrical welded aluminum plating.

DECK HATCHES:

Anchor chain deck hatch.

WINDOWS/PORTS/DOORS:

Vessels upper deck and lower deck cabins are fitted with forty (40) large tempered tinted viewing safety glass windows.

BRIDGE DECK

MATERIAL:

Upper level passenger seating with aircraft blue fabric/vinyl covered seats. Forward of the passenger seating is the pilot house furnished with electrical adjusting helm seat and port and starboard electrical adjusting copilot's seats.

SEATS:

265 aircraft type fabric/vinyl passenger seats with adjustable head rest.

WINDSHIELD:

Pilot house windshield panels are tempered tented safety glass.

BRIDGE DECK (continued)

SAFETY RAIL SYSTEM:

Tubular aluminum safety rails around the perimeter of bow deck and around the perimeter of upper aft deck and around the perimeter of lower aft deck.

ADDITIONAL EQUIPMENT AND ACCESSORIES

GENERAL EQUIPMENT:

Hydraulic dvit.

DINGHY/TENDERS:

Additional Information and Photos

14 foot fiberglass tender powered with Mariner 60 horsepower gasoline outboard engine.

DOCK LINES:

Adequate 2 inch diameter nylon docking lines.

CABIN APPOINTMENTS

INTERIOR DESCRIPTION:

STORAGE AREAS:

Adequate storage for passenger's suite cases and luggage.

HEADLINERS:

Blue fabric cloth headliner in upper level and lower level passenger seating areas.

FABRIC AND CUSHIONS:

Blue fabric cloth/vinyl aircraft type passenger chairs with adjustable head rest.

FLOOR AND WINDOW COVERINGS:

Blue carpet.

HEADS:

Eight (8) head facilities.

LIGHT FIXTURES:

12 volt lighting throughout vessel.

AIR CONDITIONING UNITS:

Vessel's upper deck passenger cabin and passenger lower deck passenger cabin, and the pilothouse are air conditioned.

CABIN HEATING:

The air conditioner units are reverse cycle for heat.

TELEVISIONS:

Upper deck level passenger's cabin and lower deck passenger's cabin have four (4) televisions.

GALLEY

LOCATION:

Lower level deck snack bar.

CABIN APPOINTMENTS

GALLEY (continued)

SINKS:

Large stainless steel galley sink.

PROPULSION

MAIN ENGINES

Additional Information and Photos

TYPE:

Twin MTU turbo charged 16 cylinder diesel engines.

MANUFACTURER:

Twin MTU turbo-charged diesel engines

HORSE POWER:

2000 horsepower

NUMBER OF CYLINDERS:

16 cylinders

THROTTLE CONTROLS:

Kamewa hydraulic jet drive propulsion controls.

ENGINE MOUNTS AND BED:

Aluminum engine beds

LUBRICATION:

Level and Condition: Level indication is normal both port and starboard. The appearance of the oil is very black. Note: The surveyor recommends that all engine fluids and filters be renewed as soon as possible.

VENTILATION:

115 V.A.C./ 230 V.A.C. engine room Port and Starboard extractors.

BILGE BLOWERS:

115 V.A.C./230 V.A.C. port and starboard engine room extractors

EXHAUST SYSTEM:

Raw water cooled with cast iron risers and cast iron pipes then exiting through the transom. Reinforced exhaust hoses to pipe connections are double clamped where sighted and appeared serviceable.

FUEL TRANSFER (PUMPS):

115 V.A.C./ 230 V.A.C. Fuel transfer pumps located in port and starboard engine rooms.

ENGINE ALARMS:

Low oil pressure alarm and coolant over heat warning audible at helm station. Appears serviceable.

PROPULSION

COOLING SYSTEM

TYPE:

Port and starboard engines are fresh water cooled with enclosed reservoirs cooled by heat exchangers.

RAW WATER STRAINERS:

Additional Information and Photos

Aluminum sea water strainers with sight glasses.

COOLANT LEVEL:

Normal level observed.

HOSES AND CLAMPS:

Reinforced cooling water rubber hoses double clamped and well routed and supported where sighted.

BELTS AND PULLEYS:

Pulley belts condition appeared serviceable.

SEACOCKS AND STRAINERS:

Bronze ball-valves. Serviceable condition.

FUEL SYSTEM

MAIN ENGINE(S) FUEL SYSTEM

FUEL TYPE:

Diesel fuel

MATERIAL:

7/16 inch thick steel electrical welded fuel tanks.

NUMBER OF TANKS:

Two (2) aluminum diesel fuel tanks.

TANKS CAPACITY:

Port and starboard 1728 gallon capacity fuel tanks.

SECURED:

Electrically welded to the port and starboard hulls.

LOCATION:

Port and starboard aft engine rooms.

FILL PIPE LOCATIONS:

Port and starboard topsides above the rub rails and on the aft deck center line.

FILL PIPE GROUNDED:

Port and starboard fuel tank fills are properly grounded.

FILL PIPE MATERIAL:

Steel piping and U. S. Coast Guard approved B-1 reinforced rubber fuel hoses.

MAIN ENGINE(S) FUEL SYSTEM (continued)

FILL PIPE FITTINGS:

Fill deck fitting clearly marked as to fuel type: "Diesel fuel".

HOSE CONNECTIONS, CLAMPS:

Fuel hoses double clamped where sighted. Appeared serviceable.

Additional Information and Photos

FUEL LINES AND FITTINGS:

Copper fuel supply lines and copper fuel return lines with copper alloy fittings.

FUEL MANIFOLD VALVES:

Port and starboard fuel tanks fitted with fuel manifolds with ball valves.

VENT LOCATION:

Port and Starboard outboard topsides below port and starboard fuel fill pipes.

SHUT-OFF VALVE:

Ball valves at tanks, Racor fuel filters/water separators, and the central manifold systems.

Appeared serviceable.

FUEL FILTERS:

Triple remote Racor 75/1000 fuel filters/water separators for port and starboard engines.

FILTER/FUEL CONDITION:

Appears serviceable.

ELECTRICAL SYSTEMS

ELECTRICAL SYSTEM (D.C. SYSTEM)

VOLTAGE:

12 V.D.C./24 V.D.C. systems.

BATTERIES:

Eight (8) 12 volt Group 31 lead-acid batteries inside of the port and starboard engine rooms.

New. Six (6) 12 volt 8-D lead-acid batteries located in the pilothouse. These batteries are for powering up navigation and communication electronics.

BANKS:

Five (5) battery banks.

MAIN BATTERY SWITCHES:

Rotary selector battery switches.

PANEL:

12 volt and 24 volt distribution panels with designated circuit breaker switches and voltmeters and ammeters.

BREAKERS/FUSES:

Breaker switches.

ELECTRICAL SYSTEM (D.C. SYSTEM) (continued)

TYPE CONNECTORS:

Round captive lug type. Where sighted appeared serviceable.

ROUTING/SUPPORT:

Additional Information and Photos

Well supported and secured where sighted.

CHARGING SYSTEM (BATTERY CHARGER):

Eltek power inverters for charging batteries located in the port and starboard engine rooms and located in the pilothouse. Serviceable condition.

CHARGING SYSTEM (ALTERNATOR):

24 volt belt driven alternators on port and starboard main engines. 12 volt belt driven alternators on port and starboard generator engines.

ELECTRICAL SYSTEM (A.C. SYSTEM)

MAIN BREAKER:

The 115 V.A.C. and 230 V.A.C. main circuit breaker switches are fitted on the main 115 V.A.C. and 230 V.A.C. distribution panels. Serviceable condition.

BRANCH BREAKERS:

Individual designated circuit break switches. Serviceable condition.

CIRCUIT LOAD MONITORS:

115 V.A.C. and 230 V.A.C. voltmeters and ammeters. Serviceable condition.

CONNECTIONS (TYPE):

Captive lug type. Appeared serviceable.

WIRE TYPE (SIZE AND RATING):

Size and rating where sighted appeared well routed and supported. Serviceable for intended use.

ROUTING:

Well routed and supported where sighted.

OUTLETS:

Various V.A.C. outlets available throughout vessel. Appeared adequate and conveniently located. Appeared serviceable.

GENERATORS AND INVERTERS

TYPE:

Port and starboard engine room diesel powered generators.

MANUFACTURER:

Port and starboard Mercedes diesel powered generators. Serviceable condition.

FUEL TYPE:

Diesel fuel.

GENERATORS AND INVERTERS (continued)

KILOWATT RATING:

Port and starboard engine room 200 K.W. generators.

Additional Information and Photos

VOLTAGE RATING:

115 V.A.C./230 V.A.C. voltage rating.

NUMBER OF CYLINDERS:

Generator engines are 6 cylinders.

LOCATION:

Port and starboard aft engine rooms.

FLUID LEVELS:

Coolant normal. Oil normal. Surveyor recommends that all fluids be renewed according to the manufactures recommended specifications.

COOLING SYSTEM:

Port and starboard generator engines are fresh water cooled by heat exchangers.

FUEL SUPPLY:

Diesel fuel.

FUEL FILTER:

Remote Racor 900 MA fuel filters/water separator.

LUBRICATION SYSTEM:

Engine mounted mechanical oil pumps with spin on/off type filters.

EXHAUST SYSTEM:

Aqua lift type FRP (fiber reinforced plastic) silencers.. Raw water cooled exhaust with double clamps where sighted. Appeared serviceable.

FLAME ARRESTOR:

U. S. Coast Guard approved.

ACCESSIBILITY:

Good.

WARNING LABELS:

The required labels appeared to be in place and readable.

FRESH WATER SYSTEM

FRESH WATER SYSTEM: (POTABLE WATER)

STORAGE TANKS:

Port and starboard electrical welded aluminum potable water tanks.

CAPACITY:

Port and starboard 228 gallons each potable water tanks.

FRESH WATER SYSTEM

"Aurora 2000" surveyed by Kelly Marine Surveyors, Inc. - Ft. Lauderdale, FL 33316 Page 15 of 22

Additional Information and Photos

FRESH WATER SYSTEM: (POTABLE WATER) (continued)

ACCESS:

Access to tanks and valves appeared adequate.

INSPECTION/CLEANING ACCESS:

Serviceable.

MATERIAL:

Water tanks are constructed of 7/16 inch thick electric welded aluminum plating.

FILL PIPE LOCATION:

Port and starboard aft decks.

VENT PIPE LOCATION:

Port and starboard outboard topsides below water fills.

PUMPS:

115 V.A.C./230 V.A.C. motors/water pumps located inside of the port and starboard engine rooms. Serviceable condition.

HOSES AND CLAMPS:

Copper tubing and fittings throughout vessel.

FRESH WATER SYSTEM (HOT WATER SYSTEM)

TYPE:

Port and starboard custom built 7/16 inch thick hot water tanks

CAPACITY:

Port and starboard 50 gallon hot water tanks.

PRESSURE RELIEF VALVE:

Copper pressure relief valve built into tanks.

SANITATION

SANITATION (BLACK WATER)

MANUAL OR ELECTRIC TYPE:

Pressurized house hold type toilets.

NUMBER OF HEADS:

Eight ((8) head facilities.

STEERING SYSTEM

TYPE:

Kamewa hydraulic steering bucket

STEERING SYSTEM

"Aurora 2000" surveyed by Kelly Marine Surveyors, Inc. - Ft. Lauderdale, FL 33316 Page 16 of 22

Additional Information and Photos

STEERING SYSTEM (continued)

MANUFACTURER:

Kamewa

NUMBER OF STATIONS:

One (1) steering station

LOCATIONS:

Pilothouse

LINES AND FITTINGS:

Reinforced flexible hydraulic hoses with metallic fittings. Appeared serviceable.

GROUND TACKLE

GROUND TACKLE

ANCHORS:

Danforth type 200 lb. galvanized steel anchor.

CHAIN:

200 feet of 3/4 inch diameter galvanized steel anchor chain.

WINDLASS:

Hydraulic anchor chain windlass.

ELECTRONICS AND NAVIGATION EQUIPMENT

ELECTRONICS AND NAVIGATION EQUIPMENT

VHF:

Four (4) Sailor VHF radios.

RADAR:

Racal Decca Bridge Master II 72 mile radar.

AUTOHELM:

Robertson AP-9 MK II automatic pilot

COMPASSES:

Bergen Norway 6 inch magnetic steering compass.

THRU-HULLS

THRU-HULLS:

THRU-HULLS LIST:

Aluminum thru-hull fittings.

LOCATION:

Port and starboard engine rooms.

THRU-HULLS

Additional Information and Photos

THRU-HULLS: (continued)

USE:

Port and starboard main engine's cooling water. Port and starboard generator engine's cooling water.

MATERIAL:

Aluminum.

TYPE:

Ball valves.

BONDED:

Bonded where sighted.

CONDITION:

Serviceable condition.

OPERABLE:

Ball valves are operable.

BONDING SYSTEM

BONDING SYSTEM

MAIN BONDING CONDUCTOR:

The bonding system is well established where sighted. The bonding system is using individual green insulated wire and appeared to be serviceable where sighted.

THRU-HULL FITTINGS:

The thru-hull fittings as well as all sighted underwater fittings are bonded.

SEA STRAINERS:

All sea strainers appeared to be bonded.

ENGINES AND GENERATORS:

Port and starboard main engines and generator are bonded and grounded.

SAFETY EQUIPMENT

SAFETY EQUIPMENT (UNITED STATES COAST GUARD)

NUMBER AND TYPE OF PFD'S:

Two hundred sixty-five (265) Type I U. S. Coast Guard approved Personal Floatation Devices (PFDs). Need to replace half of the (PFDs).

NUMBER OF THROWABLE PFD'S:

Five (5) ring buoys equipped with strobe lights and whistles.

FIRE EXTINGUISHERS:

Two (2) Buckeye powder 39.9 fire extinguishers mounted in pilothouse. New. Six (6) hand held dry chemical Class A, B, and C 10 lb. fire extinguishers,

Additional Information and Photos

SAFETY EQUIPMENT (UNITED STATES COAST GUARD)

VISUAL DISTRESS SIGNALS:

Visual Distress Signals are out of date.

SOUND DEVICES:

Trumpet air signal horn.

NAVIGATION LIGHTS:

Sidelights are operable. Mast head light is operable. Stern light is operable. Anchor light is operable.

INLAND NAVIGATION RULE BOOK (12M-39'4" OR LONGER):

Inland and International Rules of the Road is aboard vessel.

"NO OIL DISCHARGE" PLAQUE:

Found properly displayed in engine spaces.

AUXILIARY SAFETY EQUIPMENT

LIFE RAFT:

Eight (8) 25 person canister survival rafts. Life rafts need servicing.

E.P.I.R.B.:

Jotron E.P.I.R.B. inside the pilothouse.

FIRE ALARMS:

Firer alarm inside of pilothouse.

BILGE WATER ALARM AND SAFETY SWITCHES:

Bilge high water alarm in port and starboard aft engine rooms.

FIXED FIRE EXTINGUISHING SYSTEM (HALON TYPE):

FE 200 Clean Agent fire suppression systems are inside of port and starboard engine rooms.

Recently serviced.

FIRST AID KIT:

Vessel has small hospital facility aboard.

MAN OVERBOARD SYSTEM:

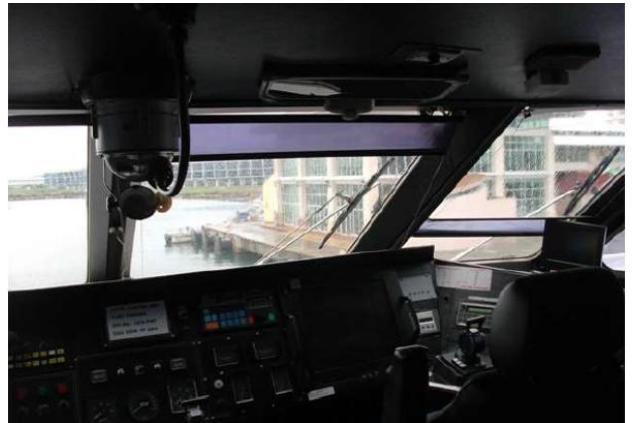
Throwable 36 inch Jim Buoy ring buoys.

BILGE PUMPS

LIST:

Fourteen (14) 24 volt submersible bilge pumps with automatic float switches located in port and starboard engine room's water tight bilge compartments. Serviceable condition.

Additional Information and Photos



Additional Information and Photos



Additional Information and Photos

