



DE VALK  
YACHT BROKERS



## EXPEDITION VESSEL ICEBREAKER



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## BROKER'S COMMENTS

"Expedition vessel/Icebreaker "Daphne", originally built for the Danish Government as a survey vessel for fishery inspections, is now the ideal explorer/support vessel for private and NGO adventures in remote areas of the world. After retiring her first job, recommissioned as a private expedition ship completing transatlantic voyages. Last refit in 2014.2021, survey done, report available. 2021 new bottom paint and anodes."

*Willem Koopmans*

## SPECIFICATIONS

<b>Dimensions</b>	30,50 x 6,35 x 3,20 (m)	<b>Builder</b>	a/s Svendborg
<b>Built</b>	1960	<b>Cabins</b>	6
<b>Material</b>	Steel	<b>Berths</b>	17
<b>Engine(s)</b>	1 x Burmeister & Wain Alpha 406VO, 2s dies	<b>Hp/Kw</b>	420 (hp), 308,7 (kw)
<b>Asking price</b>	EUR 299.000 (vat: exempt)	<b>Lying</b>	contact sales office

## CONTACT

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## DISCLAIMER

These particulars are given in good faith as supplied but cannot be guaranteed and cannot be used for contracts.



# EXPEDITION VESSEL ICEBREAKER

## GENERAL

<b>Model</b>	EXPEDITION VESSEL ICEBREAKER
<b>Type</b>	motor yacht
<b>LOA (m)</b>	30,50
<b>Beam (m)</b>	6,35
<b>Draft (m)</b>	3,20
<b>Year built</b>	1960
<b>Launched</b>	2014 after last refit in Tunisia
<b>Builder</b>	a/s Svendborg
<b>Country</b>	Denmark
<b>Designer</b>	Danish government
<b>Displacement (t)</b>	136
<b>Gross tonnage</b>	136
<b>Net tonnage</b>	40
<b>CE norm</b>	NA
<b>Hull material</b>	steel
<b>Hull colour</b>	orange
<b>Hull thickness (mm)</b>	from 8.5 - 18 mm
<b>Hull shape</b>	round-bilged canoe stern
<b>Superstructure material</b>	steel
<b>Rubbing strake</b>	steel
<b>Deck material</b>	steel
<b>Deck finish</b>	wood, needs attention
<b>Superstructure deck finish</b>	paint
<b>Cockpit deck finish</b>	paint
<b>Dorades</b>	yes
<b>Window frame</b>	steel
<b>Window material</b>	glass
<b>Deckhatch</b>	for cargo hold
<b>Portholes</b>	in superstructure
<b>Radar arch</b>	yes



# EXPEDITION VESSEL ICEBREAKER

<b>Steadying sail with mast</b>	yes
<b>Fuel tank (litre)</b>	5 tanks, in total 32ton (32.000 ltr)
<b>Level indicator (fuel tank)</b>	yes
<b>Freshwater tank (litre)</b>	5 tanks, in tot. 14ton (14.000ltr) & add. spare tank for & aft
<b>Level indicator (freshwater)</b>	yes
<b>Blackwater tank (litre)</b>	polyethylene
<b>Blackwater tank extraction</b>	pump, needs check
<b>Greywater tank (litre)</b>	aluminium
<b>Wheel steering</b>	hydraulic with joystick
<b>Inside helm position</b>	yes
<b>Extra info</b>	originally built as research vessel/Icebreaker

## ACCOMMODATION

<b>Cabins</b>	6
<b>Berths</b>	17
<b>Interior</b>	teak expedition style
<b>Layout</b>	research vessel
<b>Floor</b>	wood
<b>Aft deck</b>	yes
<b>Pilot house</b>	yes
<b>Saloon</b>	yes
<b>Heating</b>	central heating 30kW with reverse engine heating
<b>Air-conditioning</b>	reverse cycle airco in each cabin
<b>Navigation center</b>	yes
<b>Chart table</b>	yes
<b>Aft Cabin</b>	yes
<b>Dining room</b>	yes
<b>Opening door to aft deck</b>	yes
<b>Galley</b>	fully equipped
<b>Countertop</b>	stainless steel



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<b>Sink</b>	stainless steel double
<b>Cooker</b>	calor gas 5 burner, stainless steel
<b>Oven</b>	Elba, stainless steel
<b>Extractor</b>	Etna
<b>Microwave</b>	Montblanc
<b>Fridge</b>	plus cold storage in bow
<b>Freezer</b>	big additional freezer in cold storage
<b>Hot water system</b>	220V + engine boiler
<b>Water pressure system</b>	electrical
<b>Kettle</b>	yes
<b>Hot water tap</b>	yes
<b>Crockery</b>	yes
<b>Owners cabin</b>	French bed double and bunk bed
<b>Bed length (m)</b>	2 (x 1.60)
<b>Wardrobe</b>	hanging/drawers/shelves
<b>Bathroom</b>	en suite
<b>Toilet</b>	en suite
<b>Toilet system</b>	electric
<b>Wash basin</b>	in the bathroom
<b>Shower</b>	en suite
<b>Guest cabin 1</b>	bunk bed captains quarters
<b>Bed length (m)</b>	2 (x 0.80)
<b>Wardrobe</b>	hanging/drawers/shelves
<b>Bathroom</b>	shared
<b>Toilet</b>	shared
<b>Toilet system</b>	electric
<b>Wash basin</b>	in the cabin
<b>Shower</b>	shared
<b>Guest cabin 2</b>	twin single engineers cabin
<b>Bed length (m)</b>	2 (x 0.70)
<b>Wardrobe</b>	hanging/drawers/shelves
<b>Bathroom</b>	shared



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<b>Toilet</b>	shared
<b>Toilet system</b>	electric
<b>Wash basin</b>	in the cabin
<b>Shower</b>	shared
<b>Guest cabin 3</b>	twin single
<b>Bed length (m)</b>	2 (x 0.70)
<b>Wardrobe</b>	hanging/drawers/shelves
<b>Bathroom</b>	shared
<b>Toilet</b>	shared
<b>Toilet system</b>	electric
<b>Wash basin</b>	in the cabin
<b>Shower</b>	shared
<b>Extra info</b>	additional cabin (5) in this cabin with bunk beds
<b>Guest cabin 4</b>	twin single
<b>Bed length (m)</b>	2 (x 0.70)
<b>Wardrobe</b>	hanging/drawers/shelves
<b>Bathroom</b>	shared
<b>Toilet</b>	shared
<b>Toilet system</b>	electric
<b>Wash basin</b>	in the cabin
<b>Shower</b>	shared
<b>Toilet (crew)</b>	in total 3 bathrooms, each with toilet and shower, one on deck
<b>Toilet system</b>	electric
<b>Wash basin</b>	in the bathroom
<b>Extra info</b>	4 rest rooms

## MACHINERY

<b>No of engines</b>	1
<b>Make</b>	Burmeister & Wain
<b>Type</b>	Alpha 406VO, 2s



# EXPEDITION VESSEL ICEBREAKER

<b>HP</b>	420
<b>kW</b>	308.70
<b>Fuel</b>	diesel
<b>Year installed</b>	1960
<b>Year of overhaul</b>	2014
<b>Maximum speed (kn)</b>	11
<b>Cruising speed (kn)</b>	9
<b>Consumption (l/hr)</b>	50
<b>Range (nm)</b>	5000
<b>Engine hours</b>	8000
<b>Engine cooling system</b>	freshwater heat exchanger
<b>Drive</b>	shaft
<b>Shaft seal</b>	yes
<b>Engine controls</b>	mechanical
<b>Gearbox</b>	hydraulic
<b>Propeller type</b>	reversible Vario pitch
<b>Propeller blades</b>	4
<b>Propeller shaft material</b>	stainless steel
<b>Shaft lubrication</b>	oil bath
<b>Manual bilge pump</b>	yes
<b>Electric bilge pump</b>	yes
<b>Bilge alarm</b>	yes
<b>Electrical installation</b>	24V DC, 110/220V 60 Hz AC and 230/400V 50 Hz AC
<b>Generator</b>	Bukh 20KvA, Lister 19KvA, Fisher Panda 4Kw/380V, to be connected
<b>Running hours generator</b>	unknown; Bukh from 1984, Lister from 1996, FP recent
<b>Generator 2</b>	Kubota (2005) 14KvA 240/400 @1500 rpm
<b>Batteries</b>	14x 200 Amp in total in separate battery room
<b>Start battery</b>	for the generators
<b>Service battery</b>	yes
<b>Generator battery</b>	yes
<b>Battery monitor</b>	yes
<b>Battery charger</b>	several



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<b>Inverter</b>	several
<b>Shorepower</b>	240/400 V AC with cable, 50Hz
<b>Extra info</b>	200 ltr Lub. oil tank

## NAVIGATION

<b>Compass</b>	Arkas magnetic
<b>Compass on flybridge</b>	Sperry Gyro SR 140/1
<b>Electric compass</b>	on autopilot
<b>Depth sounder</b>	Raytheon 8010 color depth
<b>Log</b>	yes
<b>Repeater</b>	yes
<b>VHF</b>	Sailor DSC RM 2042 & 2048
<b>VHF handheld</b>	2x Sait SRH 150
<b>Autopilot</b>	Navitron (2005), Decca 450
<b>Rudder angle indicator</b>	yes
<b>Radar</b>	Racal Decca CD 180/4 Arpa, Raymarine
<b>GPS</b>	Koden, Trimble
<b>Plotter</b>	CVP 3500
<b>Radar/GPS/plotter</b>	yes
<b>Weather receiver</b>	yes
<b>Navtex</b>	yes
<b>Personal computer</b>	yes
<b>Electronic chart(s)</b>	yes
<b>Radio receiver</b>	Sailor RT247 & RT143 & Debeg 3818 MF/HF & Skanti SSB TRP 8400s
<b>Transmitter</b>	Inmarsat Nera Mini M worldphone with fax
<b>EPIRB</b>	yes
<b>Navigation lights</b>	yes
<b>Searchlight</b>	2x
<b>Extra info</b>	many additional communication and navigation equipment





## EQUIPMENT

<b>Storm blinds</b>	yes
<b>Gangway</b>	yes
<b>Anchor</b>	yes
<b>Anchor chain</b>	yes
<b>Anchor 2</b>	yes
<b>Anchor chain</b>	yes
<b>Windlass</b>	electrical
<b>Capstan</b>	on bow deck
<b>Dinghy</b>	yes
<b>Outboard</b>	3x in total
<b>Deck crane</b>	hydraulic booms on both masts
<b>Grab rail (superstructure)</b>	yes
<b>Life raft</b>	container overdue
<b>Lifejackets</b>	overdue
<b>Safety harness</b>	overdue
<b>Lifebuoy</b>	overdue
<b>Danbuoy</b>	overdue
<b>Safety lines on deck</b>	yes
<b>Wiper</b>	yes
<b>Clearview window</b>	yes
<b>Horn</b>	yes
<b>Binocular</b>	yes
<b>Fenders</b>	yes
<b>Mooring lines</b>	yes
<b>Spare parts</b>	yes
<b>Tools</b>	yes
<b>TV</b>	yes
<b>TV receiver</b>	yes
<b>Radio</b>	yes
<b>Radio-cd player</b>	yes



<b>Speakers in salon</b>	yes
<b>Clock - barometer</b>	yes
<b>Fire extinguisher</b>	overdue
<b>Extinguisher in engine room</b>	overdue

## RIGGING

<b>Rigging</b>	2 steel masts for sails and hoisting
<b>Material mast</b>	steel
<b>Jib II</b>	yes
<b>Genoa furler</b>	yes
<b>Primary sheet winch</b>	2x
<b>Secondary sheet winch</b>	2x















































