

Specifications POLAR CRUISE SHIP

“MAGELLAN EXPLORER”



SHIPYARD	: ASENAV S.A.	Propulsion System(s)	
Year of construction	: 2019	Propeller	: 2x CF3 Alloy – 5 Blade, Diameter 2300 mm – FPP.
Hull Number	: 183	Reduction	: 2x Reintjes, WAF 3445, i= 3.24:1, with clutch.
Vessel Name	: Magellan Explorer	Generator(s):	
Owner	: Minke Shipping Company Ltd.	Auxiliary	: 3x LIAG/MAN D 2862 LE 322 – Tier III, 570 kWe, 1500 rpm.
Flag	: Bahamas	Emergency	: 1x LIAG/SCANIA DI 09 074 M, 200 kWe, 1500 rpm.
IMO Number	: 9822516	Transversal Thruster(s)	: 2x Schottel STT 1 FP, 500 kW
Call Sign	: C6DN6	Stabilizers	: 2x SKF S300 UHL retractable, Fins Area 4.2m ²
Class	: LR ✕100A1 (E) PASSENGER VESSEL, ICE CLASS PC6 ✕LMC, UMS & IWS	Expedition facilities	
Dimensions:		Zodiacs	: 12x Mark V, Heavy Duty
LOA	: 90.70 m	Shell Platform	: 2x 2.6m x 1.7m (LxW), hydraulic operated.
Beam	: 16.20 m	Deck Equipment	
Depth Main Deck	: 5.80 m	Anchor Windlass	: Electrical, 2x Ibercisa MAN-E/H/40-S/1 Pull 12.9 ton @ 12.1 m/min Brake holding 58.7 ton
Max. Draft	: 4.30 m	Capstan	: Electrical, 2x Ibercisa C-E/30/5-21 Pull 5.6 ton @ 21.2 m/min
Deadweight	: 950 tonnes	Mooring facilities	: 2x Mooring Platforms, 2.5m x 1.1 m (LxW), hydraulic operated
Gross Tonnage	: 5258	Anchor & Chains	
Net Tonnage	: 1577	Port & Stbd	: 2x Spek anchor 2640 kg with chain Ø40mm Gr3 (17 lengths)
Accommodation (fully air conditioned)			
Total Accommodation	: Pax 100, 50 cabins Crew 60		
Speed	: 14.0 kn		
Tank Capacity			
Diesel Oil	: 710 m ³		
Fresh Water	: 200 m ³		
Ballast Water	: 600 m ³		
Sewage	: 100 m ³		
Urea	: 72 m ³		
Misc.	: 35 m ³		
Main Engine(s)			
MAN	: 2x 8L21/31 – Tier III, 1720 kW, 1000 rpm.		

Cranes & Davits

Zodiacs Crane	:	2x Palfinger PK15500M, 720 kg @ 12.3 m
Provision Crane	:	2x Pelloby, 1000 kg @ 2.75 m
Life Boat Davit	:	2 x Palfinger NPD 1480H
Rescue Boat Davit	:	2 x Norsafe Combined Rescue Boat & Life Rafts NRC-25

Safety Equipment

Life Boats	:	2 x 80 pers. Palfinger LBT 935C
Rescue Boats	:	2 x 6 pers. Norsafe Matrix 450 MKI
Life Rafts	:	8 x 20 pers. Viking Polar 20 DKF

Water Maker(s)

FW Maker	:	2 units water distiller plant with UV filter disinfection system
Capacity	:	24 m ³ /per day, each

Hot Water Boiler	:	610 kw
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Food Waste Treatment

USON/EVAC	:	OWMS 60 Food waste processing plant (6 m ³ holding tank). Macerator, Food Waste Shredder. Food Waste Dewatering EAD100
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Garbage Equipment

USON/EVAC	:	- Multi chamber compactor -Glass crusher, U-80 - Mini Shredder, UMS- 2530
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Sewage Treatment Plants

Treatment	:	2 units, USCG and IMO/MARPOL compliance
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Ballast Water Treatment Plant

Treatment Plant	:	Capacity 135.m ³ /h, USCG and IMO/MARPOL compliance.
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Emissions Controls

:	IMO Tier III, NOx emissions for main engines and auxiliary engines.
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Incinerator Atlas

Burning Capacity	:	580 kw
Solid Waste	:	100 kg/h (max 400kg/24 hr)

HVAC

Cooling Capacity	:	866 kw
Heating Capacity	:	455 kw

Provision Room

Cooling	:	81.2 m ³
Freezer	:	86.7 m ³

Elevators

:	1x Marine cargo elevator 2 stops / 1000kg / 1m/s 1x Marine Bumbwaiter, 2 stops / 100kg / 0.3 m/s
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Communication Equipment

GMDSS	:	A1-A2-A3
MF/HF Radio	:	2x Rack console with Furuno FS-1575
VHF Radio	:	2x Furuno FM 8900S 1x ICOM ICA-220
Portable VHF	:	3 x ACR SRZ03
Inmarsat Sat-C	:	2 x Furuno Felcom 18
Satcom	:	1 x VSat Sailor
AIS	:	1 x Furuno FA-170
E.P.I.R.B.	:	1 x ACR RLB-41
SART	:	2 x ACR Pathfinder

Navigation Equipment

Radar	:	1x Furuno FAR-2127BB 1x Furuno FAR-2137SBB
GPS Navigation	:	2x Furuno GP-170
Echo Sounder	:	2x Furuno FE-800
Navtex	:	1x Furuno NX 700-A
Sat. Compass	:	1x Furuno SC-70
Giro Compass	:	1x Sperry Marine Navigat 100
Magnetic Compass	:	1x Reflecta 1
Electronic Charts	:	2x Furuno FMD 3100
Anemometer	:	1x Airmar WS-220WX
Speed log	:	1 x Furuno DS-80
Ice Radar	:	1 x Furuno FICE-100
Autopilot	:	1 x Navitron NT888G