GENERAL
Basic functions EXPEDITION VOYAGES
Classification LR (or eq.) ✠ 100A1 Passenger ship, Ice Class PC 6, *IWS, FDA ICE, CM, PCAC 2, ✠ LMC, UMS, PSMR, Safe Return to Port
Flag TBD

DIMENSIONS
Length overall 134.40 m
Breadth moulded 22 m
Depth moulded 7.10 m
Design draught 5 m
Deadweight 2127 t
GT 12612 t

TANK CAPACITIES
MDO 625 m³
LO 60 m³
FW (Potable) 530 m³
FW (Technical) 260 m³
GW 300 m³
Heeling water 350 m³

PERFORMANCES
Speed max 18 kn
Service speed economic 16 kn
Autonomy 30 days

PROPULSION SYSTEM
Main engines 2x M.A.N. 6L32/44CR (IMO Tier III) 7200 kW
Total Power 2x reduction gearbox, with PTO/PTI
Gearboxes 2x CPP type propellers (Ice class)
Propulsion 2x CPP tunnel thrusters
Bow thruster 2 pump jets
Stern thrusters 2 foldable fin type stabilizers

ELECTRICAL EQUIPMENT
Electrical link 2x PTO
Auxiliary gensets 2x diesel gensets 1000kW @ 1000 rpm
Emergency gensets 1 emergency genset 400 kVA
Batteries Ø Battery Array (approx. 6 MW)

DECK LAY-OUT
Deck cranes 2x deck cranes @ deck 7: 2t @ 14.7m
012 t crane in case of submarine
Provision cranes 2x cantilevered provision cranes 2t@3m
Winches 4x electrically driven mooring winches

SECONDARY SHIP SYSTEMS
Lifts 2 passenger lifts and 2 crew/service lifts (8 pax each); dumbwaiter
Waste handling Food Waste & Galley Grey Water handling station
Gangway Glass crusher/Ø incinerator/ compactors
Luggage and provisions 2 gangways + 2 davits (2 t cap.)
Water makers 2 mobile, lightweight conveyor belts

ACCOMMODATION
Passengers 112
Crew 67
Expedition staff 18
Public spaces (a.o.) Crow’s nest, observation and main Lounge, spa/gym, cinema, in-
and outside dining, bar/buffet/coffee house, expedition lounge

NAUTICAL AND COMMUNICATION EQUIPMENT
GMDSS Navigation in area A1, A2 and A3
Communication system Satellite communication up to 80 degrees
Misc. Cables capable of transmitting TV, FM and AM radio signals

SPECIAL EQUIPMENT
Helicopter deck 2x helicopter deck (CAP 437 compliant) +2x hangars (suitable for type Bell 407, AS350/EC135 or similar)
Expedition equipment 12x Mk 5 Zodiaks, kayaks etc.
Ø Submarine Triton 1000/7 (450 msw)
Viewing platforms 5x extendable/ foldable viewing platforms
Shell doors Weather tight hydraulically operated shell doors
Misc. Top deck and gym swimming pools
Ø means optional equipment
Beach club with retractable marina platform