



# CRUISE EXPEDITION SHIP

DXCr P-100

## GENERAL

Basic functions  
Classification

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

Flag

## 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 m <sup>3</sup>
LO	60 m <sup>3</sup>
FW (Potable)	530 m <sup>3</sup>
FW (Technical)	260 m <sup>3</sup>
GW	300 m <sup>3</sup>
Heeling water	350 m <sup>3</sup>

## 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)
Total Power	7200 kW
Gearboxes	2x reduction gearbox, with PTO/PTI
Propulsion	2x CPP type propellers (Ice class)
Bow thruster	2x CPP tunnel thrusters
Stern thrusters	2 pump jets
Stabilizers	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
Ø Batteries	Ø Battery Array (approx. 6 MW)

## DECK LAY-OUT

Deck cranes	2x deck cranes @ deck 7: 2t @ 14.7m Ø12 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 Glass crusher/Ø incinerator/ compactors
Gangway	2 gangways + 2 davits (2 t cap.)
Luggage and provisions handling	2 mobile, lightweight conveyor belts
Water makers	2x RO units

## 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

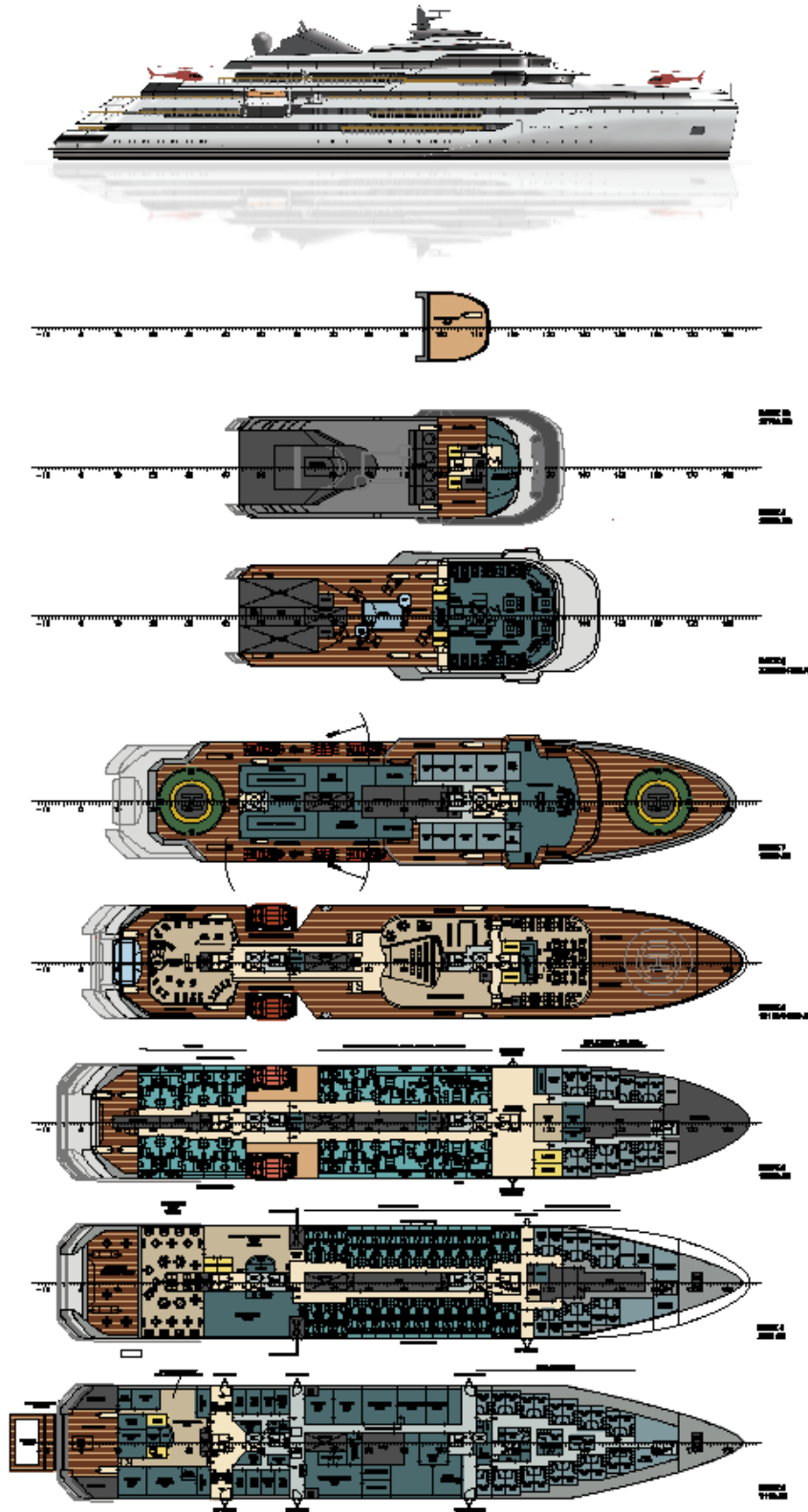
Helicopter deck	2x helicopter deck (CAP 437 compliant) +2x hangars (suitable for type Bell 407, AS350/EC135 or similar)
Expedition equipment	12x Mk 5 Zodiacs, kayaks etc.
Ø Submarine	Triton 1000/7 (450 msw)
Viewing platforms	5x extendable/ foldable viewing platforms
Shell doors	Weather tight hydraulically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

Ø means optional equipment

**DAMEN**

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# DAMEN

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