

PRESS RELEASE

ICEBREAKING EXPEDITION CRUISE VESSEL,
DESIGN BY KNUD E. HANSEN

22. SEPTEMBER 2020

The latest design from KNUD E. HANSEN is an Icebreaking Expedition Cruise Vessel with a high degree of operational flexibility and a wide range of sophisticated design features. At 144 metres long, the vessel can accommodate 300 passengers in 150 ultramodern cabins that offer an exceptional sailing experience.

The vessel has a service speed of 17 knots in open water and can operate in solid multi-year ice of 1,8m thickness. The vessel has diesel electric propulsion, and two azipod-units, each 7,5 MW. The six generators have a combined power of approximately 23 MW and are fueled by a combination of marine diesel oil (MDO), and natural gas (LNG). There are two tunnel thrusters, each abt. 1500 KW, located at the bow, which combined with the twin screw arrangement, provide a high degree of

maneuverability. There is also a large lithium-ion battery bank to power the vessel while dockside, resulting in no port emissions. The vessel has a range of 8100 nautical miles in open water.

The vessel features a layout with public spaces including a bar/lounge, multi-purpose lounge, library, gift shop, observation lounge, fitness room/spa including a panorama ice bar, as well as a pool and jogging area. The vessel also features a large tender garage for stowing zodiacs and other expedition equipment that can be easily launched through a shell door on the port side.

The vessel features a large helicopter deck aft where the helicopter can be lowered to the hangar on the deck below. ►



There are two service lifts and three passenger lifts providing access to all accommodation decks. The vessel also includes a dedicate cargo hold with overhead hatch and davit system for stowing and deploying special, expeditionary cargo in remote locations along the cruise.

The majority of passenger cabins have private balconies with ocean views. The passenger cabins feature the KNUD E. HANSEN 'Flex Cabin System', which allows for cabin walls to be easily reconfigured between sailings to convert a single, luxury suite into two separate cabins. This allows the operator to maximize revenue based on specific demand.

The vessel is fully SOLAS compliant. KNUD E. HANSEN aims to achieve the highest level of survivability with strict adherence to Safe Return to Port (SRtP) requirements through the inclusion of redundant, segregated power and propulsion systems as well as passenger safe havens and an auxiliary wheelhouse. Special attention has been observed with regards to the MarPol regulations as well as the Polar code.

This design has been developed completely in-house, by the highly trained and experienced staff of naval architects, marine engineers and designers at KNUD E. HANSEN, who place the utmost importance on safety, efficiency and design ingenuity.

MAIN PARTICULARS

Length o.a	144,20 m
Length pp	127,60 m
Breadth moulded	22,00 m
Depth moulded to deck 3	9,20 m
Design draught	7,00 m
Deadweight	1965 t
Ice class	PC3
Max number of passengers	300
Number of crew	150

FOR FURTHER INFORMATION, PLEASE CONTACT

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ABOUT KNUD E. HANSEN

KNUD E. HANSEN is one of the world's leading independent marine consultancies with more than 80 years of experience in ship & yacht design, with a proven track record in providing unique and cutting-edge solutions to the maritime industry. KNUD E. HANSEN employs about 100 naval architects and marine engineers in Denmark, Australia, Canada, the Faroe Islands, Greece, Spain, United Kingdom and USA.

Our approach is based on a combination of continuous innovation, the free exchange of ideas with our clients, and experience derived from many years spent working with every kind of vessel and maritime operator. Using these, we apply fresh thinking to each new project and tailor solutions that are both state-of-the-art and practical to meet the exact needs of each individual customer.

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