![Brunvoll - PRECISION IS OUR PASSION]

Antarctic Aurora
Longliner

Illustration by Skipsteknisk AS, Norway

Owner	Australian Longline Vessel Pty Ltd, Australia
Shipyard / Hull no.	Vard Vung Tau, Vietnam, NB#916
Year Built	2020
IMO Number	TBC
Ship Design	Skipsteknisk AS, Norway
Class	DNV-GL, Ice 1C
Engine	Diesel Engine
Effect 1920 kW RPM 600-750, floating frequency Boost: Effect 600 kW RPM 1200 PTH: Effect 800 kW RPM 1200	
Install Number(s)	2317-2320
Gear / Ratio	ACG 680K/S525, 4,16:1
PTO / PTI	S525 Secondary without clutch
Propeller	CP 85, 3100 mm diameter
Nozzle	Open propeller
Remote Control(s)	Brucon4 integrated controls for propulsion and thruster
Thruster(s)	Brunvoll Combined Retractable Azimuth/Tunnel Thruster

Type	Position	Effect
AR 63 LNC 1650	Bow	800 kW
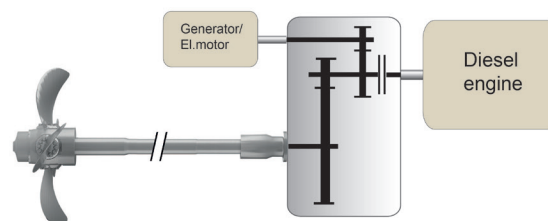
Diesel-Mechanical Hybrid Propulsion for boost and Power Take Home

This is a diesel-mechanical/hybrid propulsion system with PTO/PTI. The diesel engine runs the propeller via the reduction gearbox, with PTI (power take in) designed for boost mode or as a redundancy mode for take-me-home (PTH) purpose.

The vessel is further equipped with a combined retractable azimuth/tunnel thruster in the bow, being valuable during linehauling, for manoeuvring and redundancy. See more details at page 2.
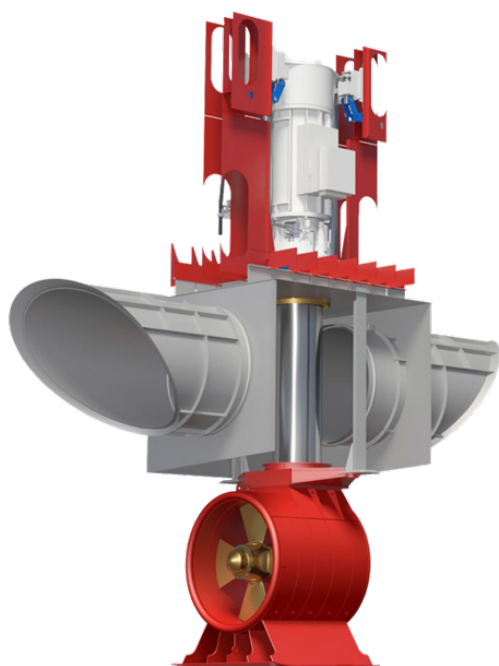
This configuration is a robust, fuel efficient and flexible system, with high redundancy.

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Brunvoll Combined Retractable Azimuth / Tunnel Thruster

The ultimate multi tool.

Excellent manoeuvre capabilities during line hauling in moonpool in rough sea and strong wind, in order to keep the vessel in position.

The combi thruster function as a conventional tunnel thruster in upper position and as an azimuth thruster for 360˚ operation in immersed position.

The azimuth thruster is typically used during searching and for effective manoeuvring when loading the catch, and in case of an emergency situation.

Increases efficiency as peak shaving during operation in combination with main propeller.

Redundancy as power take home (PTH-mode).

Brunvoll Integrated Bridge control system for propulsion and manoeuvring