BRUNVOLL
PRECISION IS OUR PASSION

Charisma
Pelagic Trawler

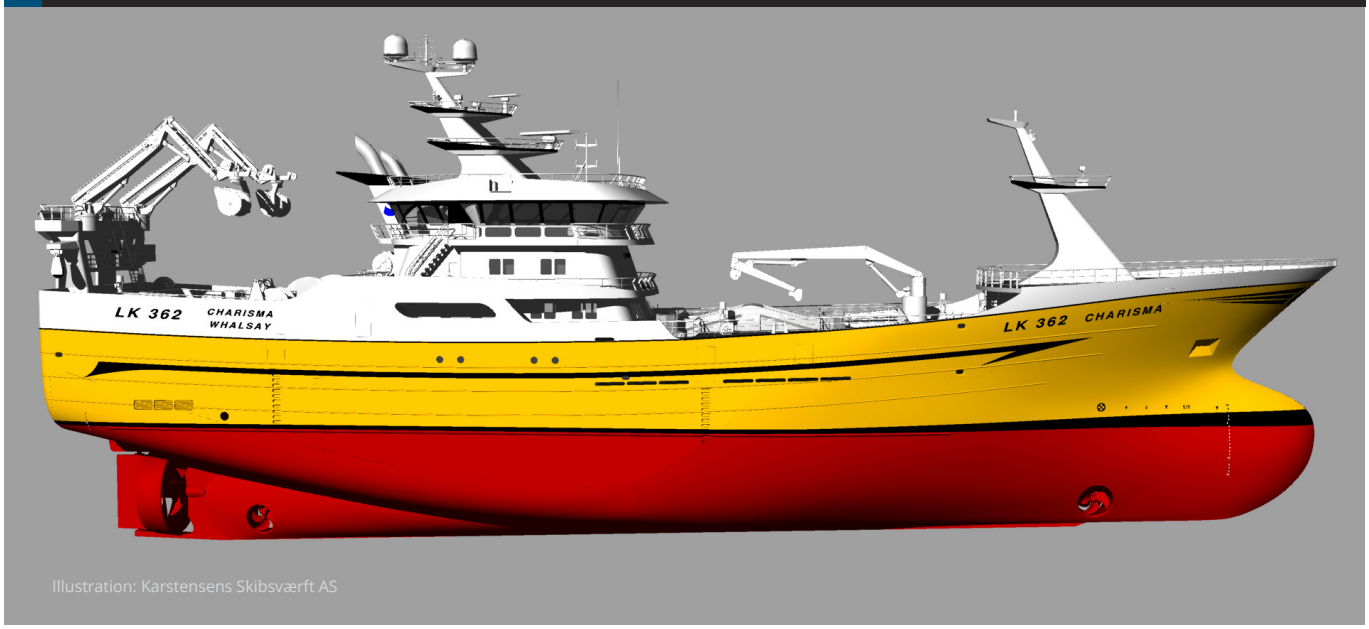
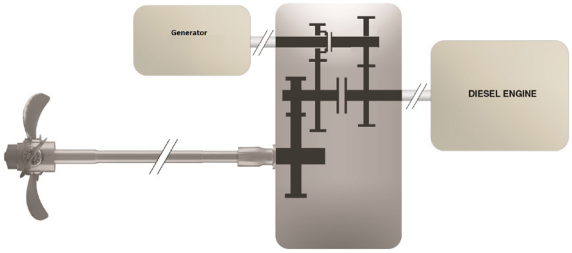


Illustration: Karstensens Skibsværft AS

VESSEL INFORMATION	
Owner	Charisma Fishing Co. Ltd, Shetland
Shipyard	Karstensens Skibsværft, Denmark
Hull Number	449
Year Built	2019
IMO Number	9847449
Ship Design	Karstensens Skibsværft, Denmark
Class	DNV, No Ice
Engine	Diesel Mechanical
Type: MAN 12V32/44CR	Power: 7200 kW RPM: 750

BRUNVOLL SUPPLY	
Reduction Gear	ACG 980 2sp
PTO / PTI	PS750
Propellers	CP105, 4200 mm nozzle propeller
Nozzle	Brunvoll HE Nozzle
Control System	Brunvoll Propulsion and Thruster Control
Thrusters	Bow: AR63 LTC1750, 800 kW Stern: FU63 LTC1750, 950 kW



2-Speed Diesel Mechanical Propulsion

The 2-speed Reduction Gearbox provides the option for two steps of different propeller speeds in a diesel mechanical configuration.

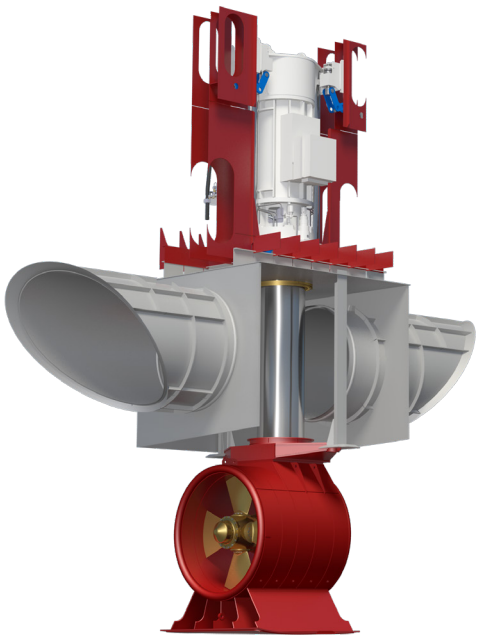
In step one the propeller is running at high rpm at full speed from the main engine. Step two is designed for an operation mode demanding reduced energy to the propeller running at low rpm. The available power is divided between the propeller and the PTO unit serving energy to the ships electric system for utilisation at other consumers.

The zero-pitch loss is thereby reduced to a minimum, and the vessel can achieve considerable fuel saving.

BRUNVOLL
PRECISION IS OUR PASSION

Charisma
Pelagic Trawler

Brunvoll propulsion, manoeuvring and automation systems are available in a wide configuration variety. Efficiency and sustainable operation is the target when Brunvoll is designing the system for a specific vessel. Optimum efficiency according to the operating profile of the individual ship and her specific needs.



Brunvoll Combined Retractable Azimuth / Tunnel Thruster

The ultimate multi tool.

Excellent manoeuvre capabilities during operation in rough sea and strong wind.

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 for effective manoeuvring 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).

BruCon Propulsion and Manoeuvring Control

A modern control system platform for all propulsion and manoeuvring units and configurations. The optimum choice for the simplest to the most demanding system applications.

Standardised hardware and software components ensure common approach to user interaction, physical appearance and system architecture. Cyber security is part of the design, reducing risk while providing acessibility.

BruCon has an easy user interface. The system optimises the performance of the entire propulsion & manoeuvring operation. The modern system architecture makes it prepared for future functionalities.