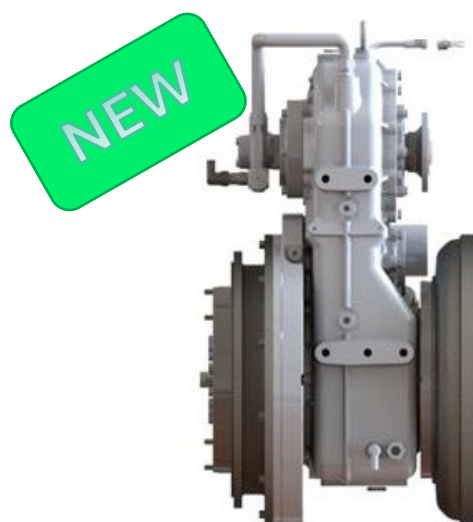


High Power Generation with Diesel Engine and PHT2000NC

The PHT2000NC is an innovative unit to be installed between a diesel engine and a marine gearbox allowing using the Diesel engine for efficient onboard electricity production while cruising or at the quay.

PHT2000NC — TURN YOUR DIESEL INTO POWER, SKIP THE GENERATOR.

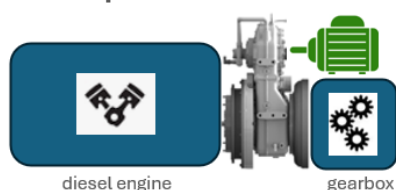


Key Advantages

- Up to 600kW High-power generation capacity from a diesel engine, can reduce the amount or even entirely eliminate the need for an on-board generator
- Compact “sandwich” and rotatable design allows for either clockwise or counter-clockwise and 180° installation saving the space and reducing weight
- Built-in ratio ensures that even at diesel engine idle speed, the electric machine (functioning as a generator) operates at higher speeds, efficiently delivering more power reducing fuel consumption and noise
- High power boosting capability, supplementing the diesel engine with electric power (e.g. from a battery system) when additional power is required, enables compliance with stricter emission standards by allowing the use of a smaller, more efficient diesel engine, while maintaining full vessel performance in terms of speed and bollard pull when needed

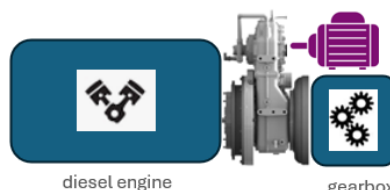
	Diesel engine Rating	Generator Rating	Ratios	Main Input	Main Output	PTO Output
PHT2000NC	100-3000 kW	50-600 kW	1,27-1,47-1,70	SAE 00-0-1-2-3-4	SAE 1-2-3-4-Flange	Flange

Working Mode Examples



GEN MODE

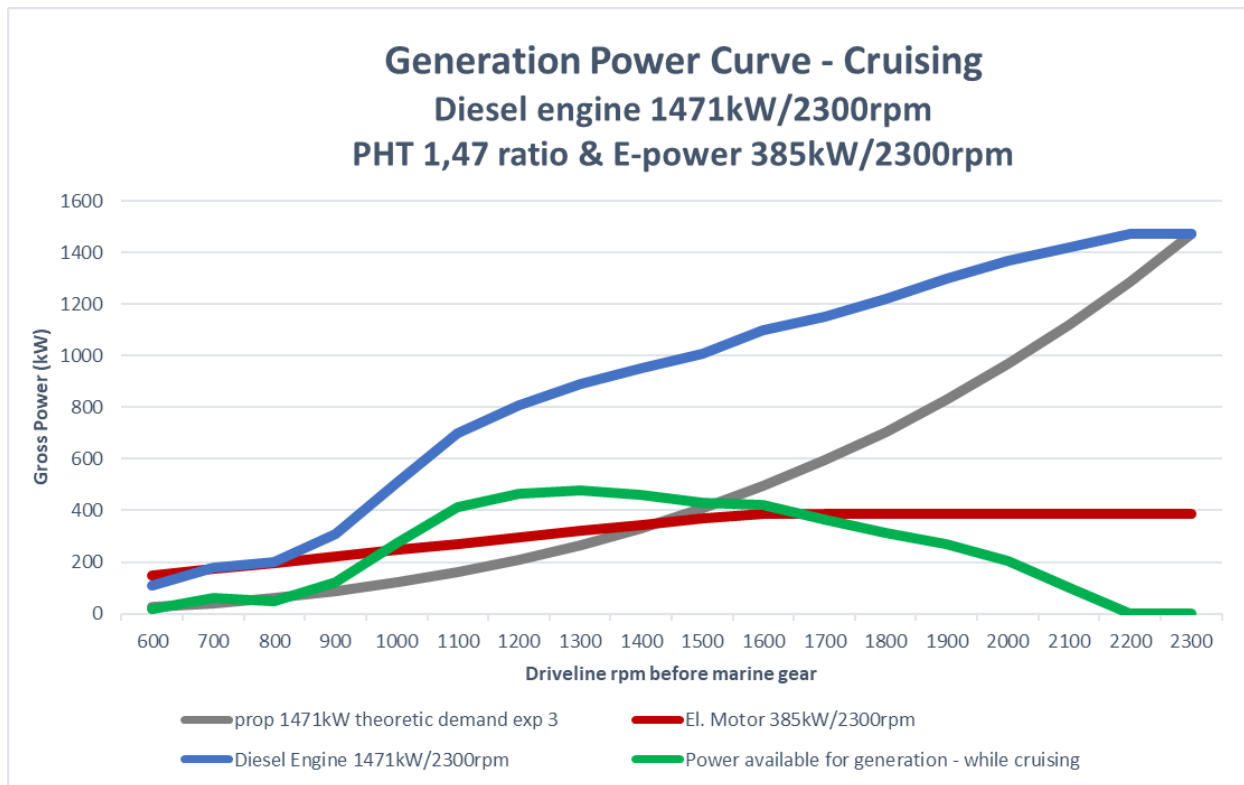
Diesel engine drives the propeller shaft and the Generator at the PTO



BOOST MODE

Diesel engine and the E-motor boost powers at the propeller shaft

Generator Power Curve – While cruising



Generator Power Curve – No propulsion

