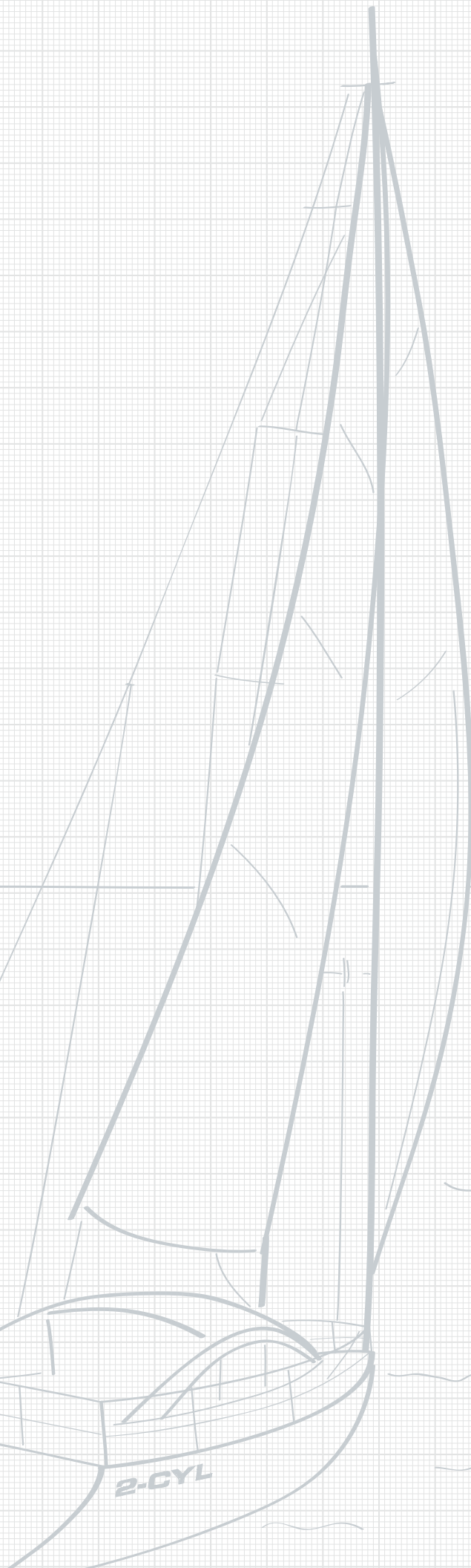


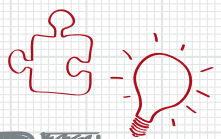
imagine

**STEYRMOTORS**

INNOVATION WITH LIGHTNESS



Expand your horizon...



**MO32 SMART  
SIZE  
SERIES**

# Are you **ready** to **expand** your horizon and to explore **new possibilities?**

A unique developed 2 cylinder parallel twin Marine Diesel engine - the MO32 - based on the robust STEYR MONOBLOCK design - allows a very compact design and offers new possibilities of placing system components. The STEYR MOTORS MO32 offers much higher power density, lower weight, more compact dimensions and therefore gives more freedom in using the space on board for living room and comfort - an expanded horizon in the leisure boat market!

In combination with the proven IFG, Parallel- or Serial Hybrid system, you can select the new STEYR MOTORS MO32 SMARTSIZE SERIES with the most suitable components of this modular system.

## Horizontal installation

Unrivalled spacious  
packaging possibilities



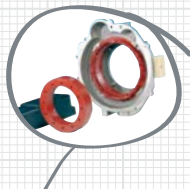
or

## Vertical installation

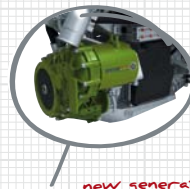
All conventional  
installations possible



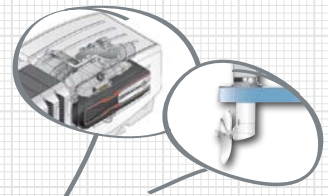
MO32  
in combination with



or



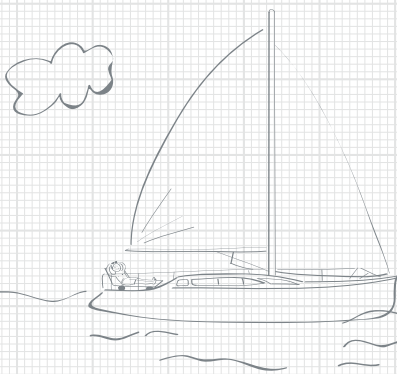
or



Function/option	IFG Integrated, brushless flywheel generator, 14V or 28V/5kW DC or 220V AC	Parallel Hybrid <sup>NG</sup> "Zero emission" and noiseless electric drive 22kW continuous	Serial Hybrid with E-Saildrive The STEYR MOTORS Genset provides DC power for alternative / electric propulsion systems and houseload 25 kW DC
propulsion	x	x	x
load	x	x	x
e-drive		x	x

## Underfloor installation

The horizontal installation brings unprecedented freedom in the world of under deck layout and cabin / bedroom design







## Benefits for boat owners

- ▶ **more space aboard**  
the slim and compact engine can be installed horizontally „under-floor“
- ▶ **perfect energy management**  
Integrated flywheel generator, Parallel / Serial Hybrid modular systems provide all levels of electric power
- ▶ **pure driving pleasure**  
pure „noiseless“ drive for relaxing and environmentally friendly moments on board
- ▶ **highly efficient propulsion system**  
the engine in a „down sized“ format plus the most efficient electric motors
- ▶ **convenient boating**  
the combination of efficient Diesel engine and E-motor / generator provides all necessary electric power for comfort on board

## Benefits for naval architects

- ▶ **no more spatial restrictions**  
the horizontal installation offers more space for cabin / bedroom design
- ▶ **freedom of design**  
horizontal / vertical / remote installation of the Diesel engine
- ▶ **no boundaries - no limits**  
the combination of Diesel engine / generator provides power for all electric requirements of „blue water sailors“
- ▶ **new dimension of space**  
there is more space remaining for living aboard due to the smart solutions
- ▶ **compact engine**  
the compact dimensions are the result of most modern „downsizing“ efforts without compromising robustness and durability



## Main advantages of STEYR MOTORS MO32 SMARTSIZE SERIES

- Smooth <sup>and silent</sup> Y comfort
- Efficient Diesel engine operation
- Compact design
- Flexibility of placing system components in convenient places
- Most robust engine design
- PM (permanent magnet) generator / motor solutions
- Long maintenance intervals
- Fresh water cooled ( 2 cycle cooling system )
- Flexibility in arranging the connections for fuel, sea water, exhaust,...
- Charging of the battery pack
- Combined propulsion & power generation
- STEER CONTROL CENTER (SCC)** for visualizing the operating conditions of the entire system
- Multi fuel capability of the Diesel engine

Engine Type MO32	
4-stroke, turbocharged	
Output (crankshaft)	KW (HP) 26,4 (36)
Rpm at full load	3600
Cylinders	2 in line
Displacement (cm <sup>3</sup> )	1067
Bore (mm)	85
Stroke (mm)	94
Max. torque (Nm)	76
at speed (rpm)	1500
(lb-ft)	56
Injection system	High-pressure multi-fuel injection system
Weight (kg)	80

# STEYR MOTORS MO32

