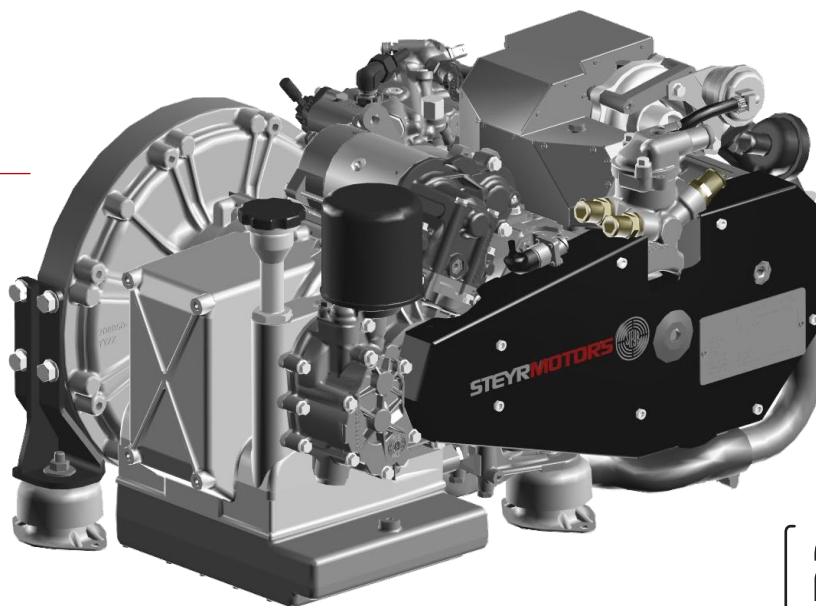


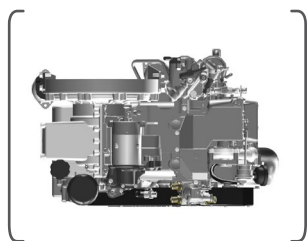
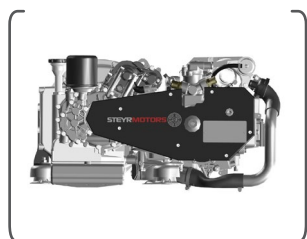
M12 2-CYLINDER DIESEL ENGINE

FACTS

- Power range: 28.5 - 36 kW
- Displacement: 1.06 l
- Dry weight: 135 kg



2
CYLINDER



The M12 is a compact yet powerful 2-cylinder unit injection engine with a horizontal parallel twin piston configuration. Engineered for exceptional performance and extreme environmental requirements, its versatile design allows for customization to meet specific needs and can be seamlessly integrated with different generators or auxiliaries. Experience the perfect blend of power, reliability, and adaptability with the M12.

Find out more about the versatile possibilities of the M12 and discover how our engine perfectly fulfills your requirements.

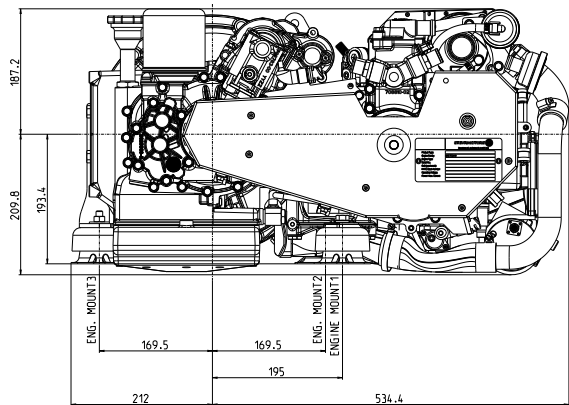
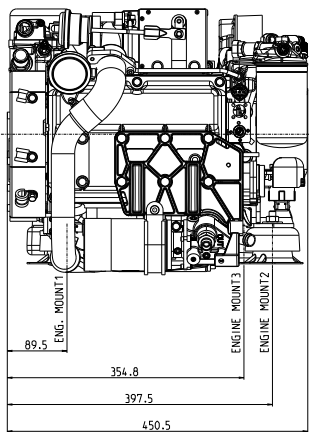
MAIN FEATURES

- Monoblock design with excellent water cooling
- Turbocharged, intercooled
- Mass balancing system for smooth operation
- Operational temperature range: from -46°C to +49°C
- Multifuel capable: F-34 / F-35 / F-54 / F-63 / F-65 / JP-8 / JET A1/EN 590
- High ICE efficiency for higher range and/or lower fuel consumption
- High robustness and durability
- Outstanding performance
- Tested according to several civilian and military standards

Areas of application: power supply for marine, military, and civilian use: gensets and integrated solutions, special vehicles.



COMPACT POWER FOR MAXIMUM EFFICIENCY



	M12 TCI - 028	M12 TCI - 036
COMBUSTION SYSTEM	Direct Injection Diesel	Direct Injection Diesel
DISPLACEMENT (LT)	1.06	1.06
BORE (MM)	85	85
STROKE (MM)	94	94
CHARGING SYSTEM	turbocharged single stage wastegate intercooled	turbocharged singel stage wastegate intercooled
RATED POWER (KW/HP)	28,5/39	36/49
RATED SPEED (RPM)	3200	3400
MAX. TORQUE (NM@RPM)	100 @ 2550-2700	110 @ 2550-3050
MIN. FUEL CONSUMPTION (G/KWH)	240	235
DRY WEIGHT (KG)	135	135

OVERALL CHARACTERISTICS

- ➔ 4-stroke, turbocharged, intercooled
- ➔ Perfectly suited for use as auxiliary power unit (PU)

