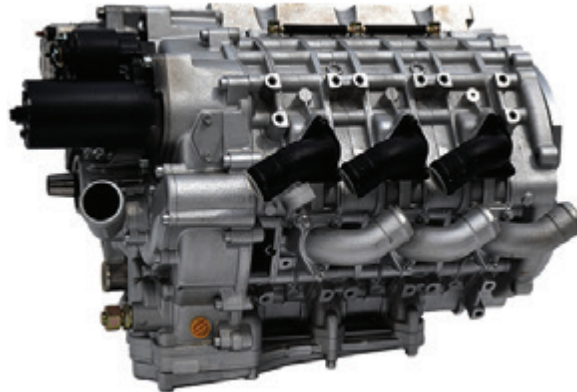


20 – 300 kW at 3000 to 8000 min<sup>-1</sup>



### Characteristics of the R 500d Series:

- Low vibrations
- Long life-expectancy
- Easy maintenance
- Compact design
- High power to weight ratio
- Cost effective

The R 500d covers a power range up to 300kW at unparalleled size and weight. The R 500d Series is suitable for applications in many sectors:

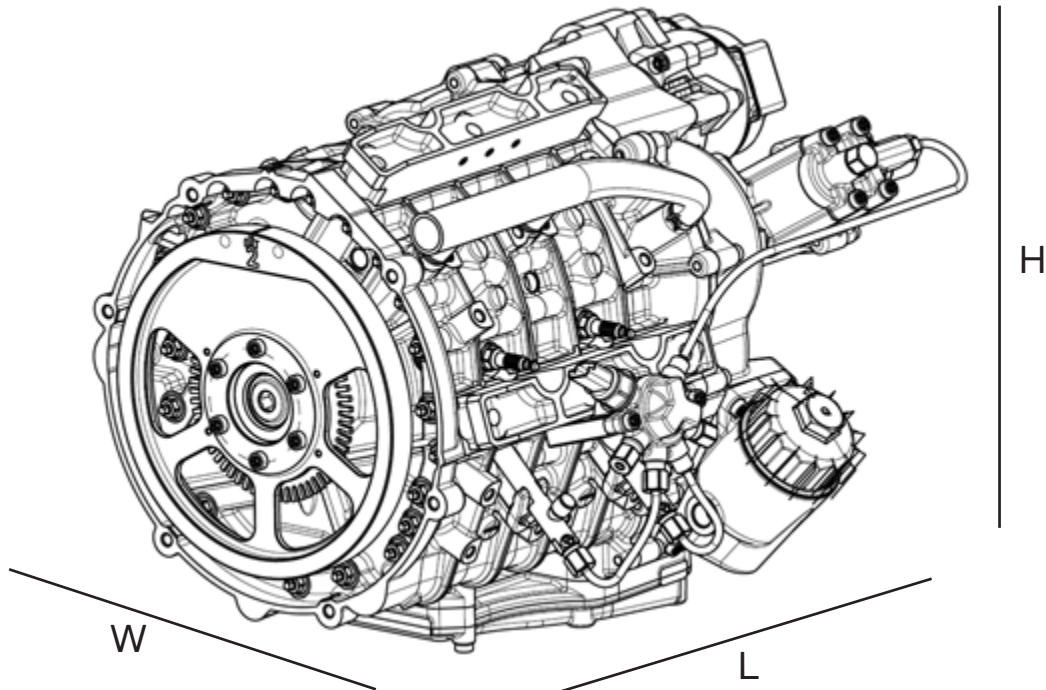
- Marine Applications
- Power Generators
- Aviation Industry
- Automotive Industry
- Leisure Sector

For the different applications, we offer three different modes:

- **Industrial Mode:** For stationary and uninterrupted running applications. Preserving the engine by running in a low-speed range. Low maintenance and a long duration.
- **Mobile Mode:** For lightweight applications, which run in a higher power range.
- **High-Performance Mode:** For applications which have to meet high power peaks.

# TECHNICAL DATA

ENGINE DATA	UNITS	R 501d	R 502d	R 503d	R 504d
Number of Rotors		1	2	3	4
Engine Displacement	Liter	0.5	1.0	1.5	2.0
Max. Speed	min <sup>-1</sup>	8000	8000	8000	8000
Charging		Turbo & Intercooler	Turbo & Intercooler	Turbo & Intercooler	Turbo & Intercooler
Fuel Injection		High-Pressure EFI	High-Pressure EFI	High-Pressure EFI	High-Pressure EFI
Oil Type		SAE 10W40	SAE 10W40	SAE 10W40	SAE 10W40
Coolant		Water / Ethylene Glycol		Water / Ethylene Glycol	
Weight	kg	63	82	101	121
Performance					
Industrial Mode	kW/Nm	22 / 70	44 / 140	66 / 210	88 / 280
Mobile Mode	kW/Nm	50 / 80	100 / 160	150 / 240	200 / 320
High-Performance Mode	kW/Nm	75 / 90	150 / 180	225 / 270	300 / 360
Weight to Power Ratio (Industrial / Mobile / High Perf.)	kg/kW	2,8 / 1,3 / 0,8	1,8 / 0,8 / 0,6	1,5 / 0,7 / 0,5	1,4 / 0,6 / 0,4
Spec. Fuel Consumption (Industrial / Mobile / High Perf.)	g/kWh	310 / 280 / 290	305 / 270 / 280	305 / 265 / 275	300 / 260 / 270
Dimension (L x W x H)	mm	495 x 480 x 435	572 x 480 x 435	683 x 480 x 435	793 x 480 x 435



1. Performance specification without the power absorbed by the cooling fan.
2. Best fuel consumption, Diesel fuel with the density 0,835 kg/dm<sup>3</sup> at 15°C.
3. Detailed sketches, models and information are available on demand.

The information on this data sheet represent normal engine calibration. Specific performance will be provided with a firm offer.