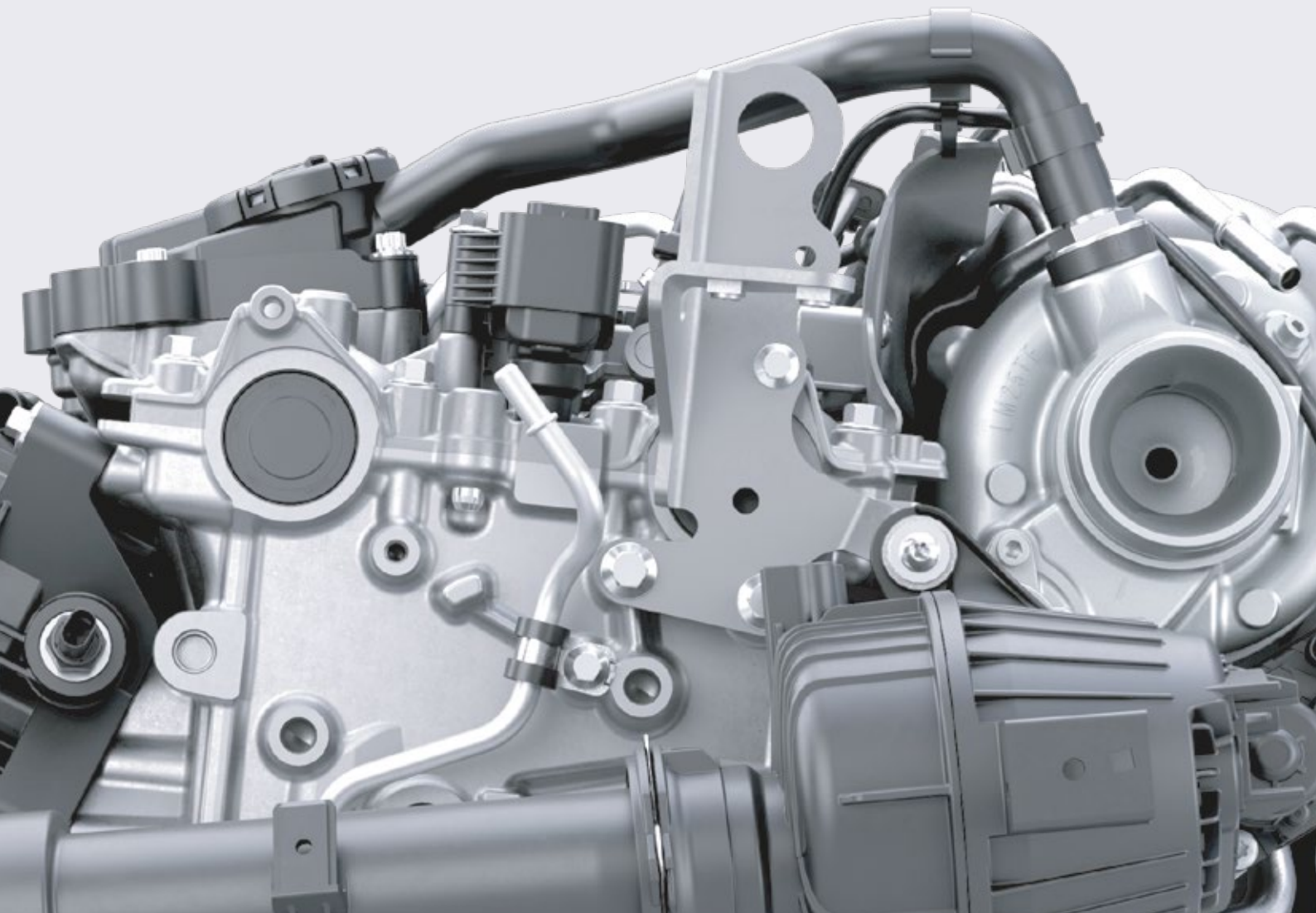


NEXT-GENERATION POWERTRAIN SOLUTIONS



We offer a range of powertrain solutions to meet the needs of almost every customer, in every region, across every fuel type.

Whatever your need, we have the expertise, scale and innovation to deliver. Solving the biggest challenges together.

A global footprint.



Argentina	Córdoba
Brazil	Curitiba
Chile	Los Andes
China	Zhangjiakou
	Chunxiao
	Hangzhou Bay
	Yiwu
	Baoji
	Guiyang
	Taizhou
	Changxing
Portugal	Aveiro
Romania	Mioveni
	Titu
Spain	Sevilla
	Madrid
	Valladolid
Sweden	Göteborg
	Skövde
Türkiye	Bursa
United Kingdom	London

A new global leader in
powertrain solutions

Revenue outlook €

15bn

Units produced
per annum

+8m

Countries our products
are present in

130

Manufacturing Plants

17

R&D Centers

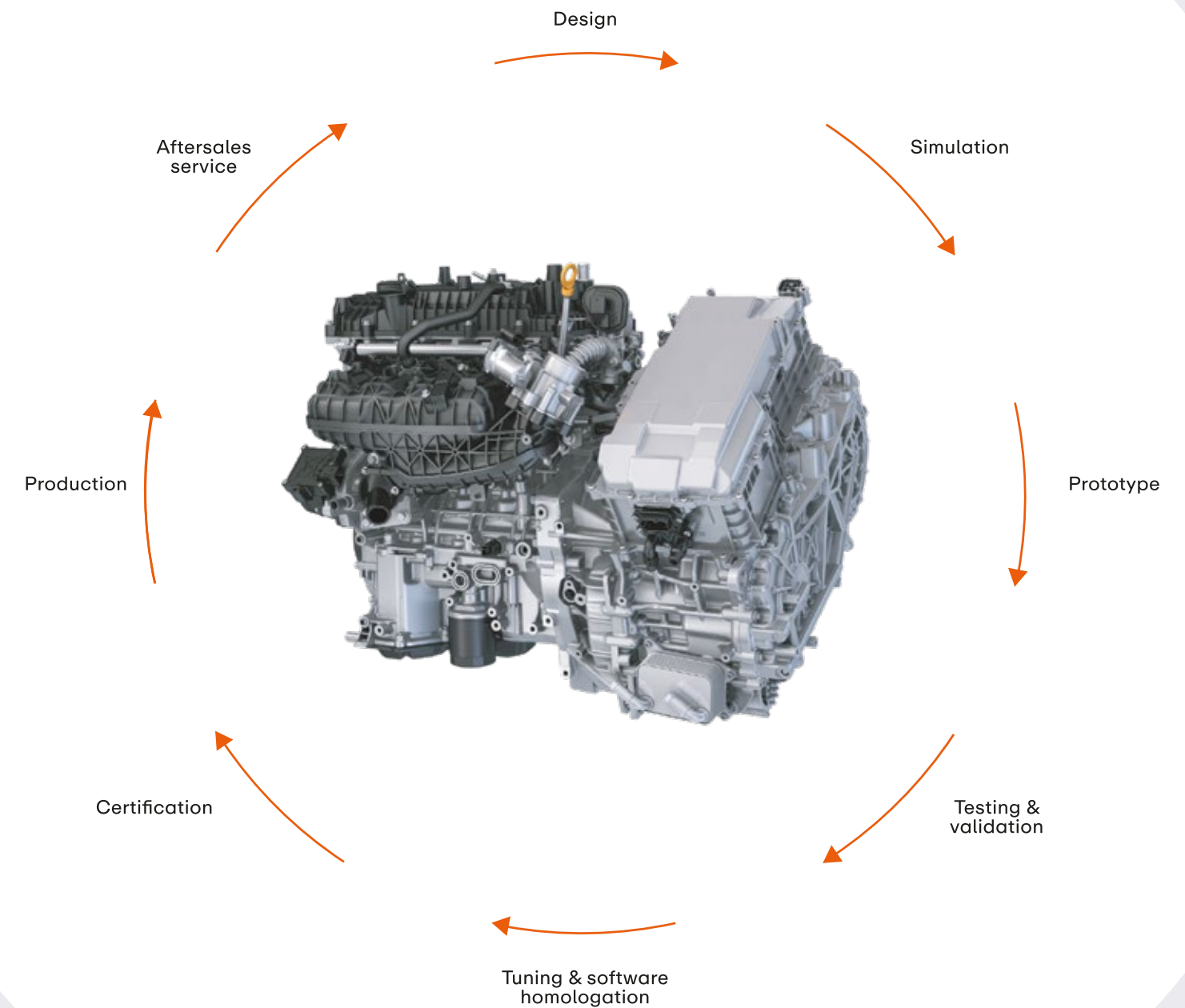
5

Employees

19 000

END-TO-END SOLUTIONS WITH COMPLETE SERVICE INTEGRATION

We provide a fully-integrated end-to-end approach for the global market, supported by a range of associated services. Together, this allows us to improve efficiency and transparency across the value chain.



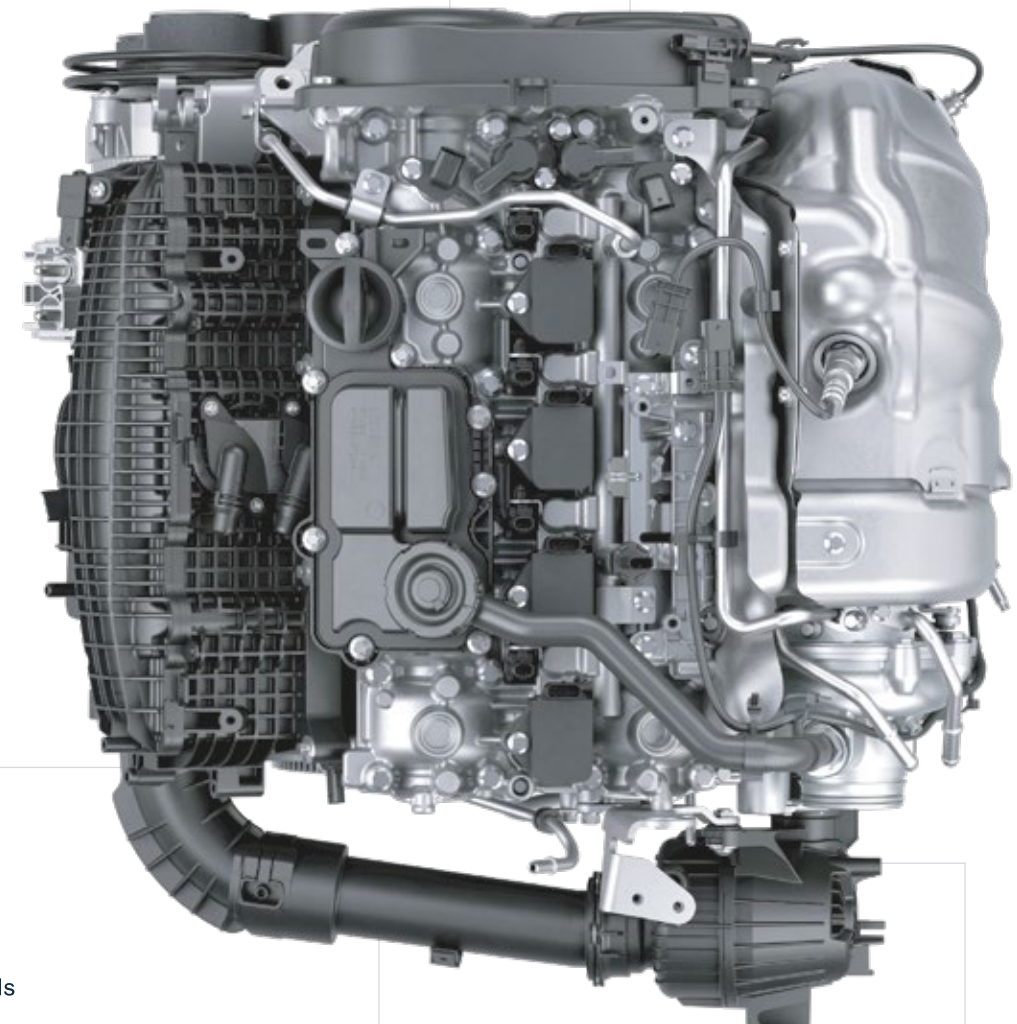
NO SINGLE PATH TO NET ZERO

Improving combustion

- High-efficiency engines
- Modular and lightweight

Alternative fuels

- Methanol blends
- Zero-carbon Hydrogen
- Synthetic fuels



Electrification

- Plug-in hybrids
- Hybrids
- Range Extenders

Intelligent Controls

- AI integration for faster learning
- Continuous improvements with Software Over The Air updates

Zero Emission Engine Project

- Tailpipe emissions as much as 90% lower than EU7 legislation

LINE-UP

Wide range of combustion and mild-hybrid engines, and manual transmissions

CORE

Hybrid engines and automatic transmissions for everyday use

EFFICIENCY

High-performance engines for everyday driving

PERFORMANCE

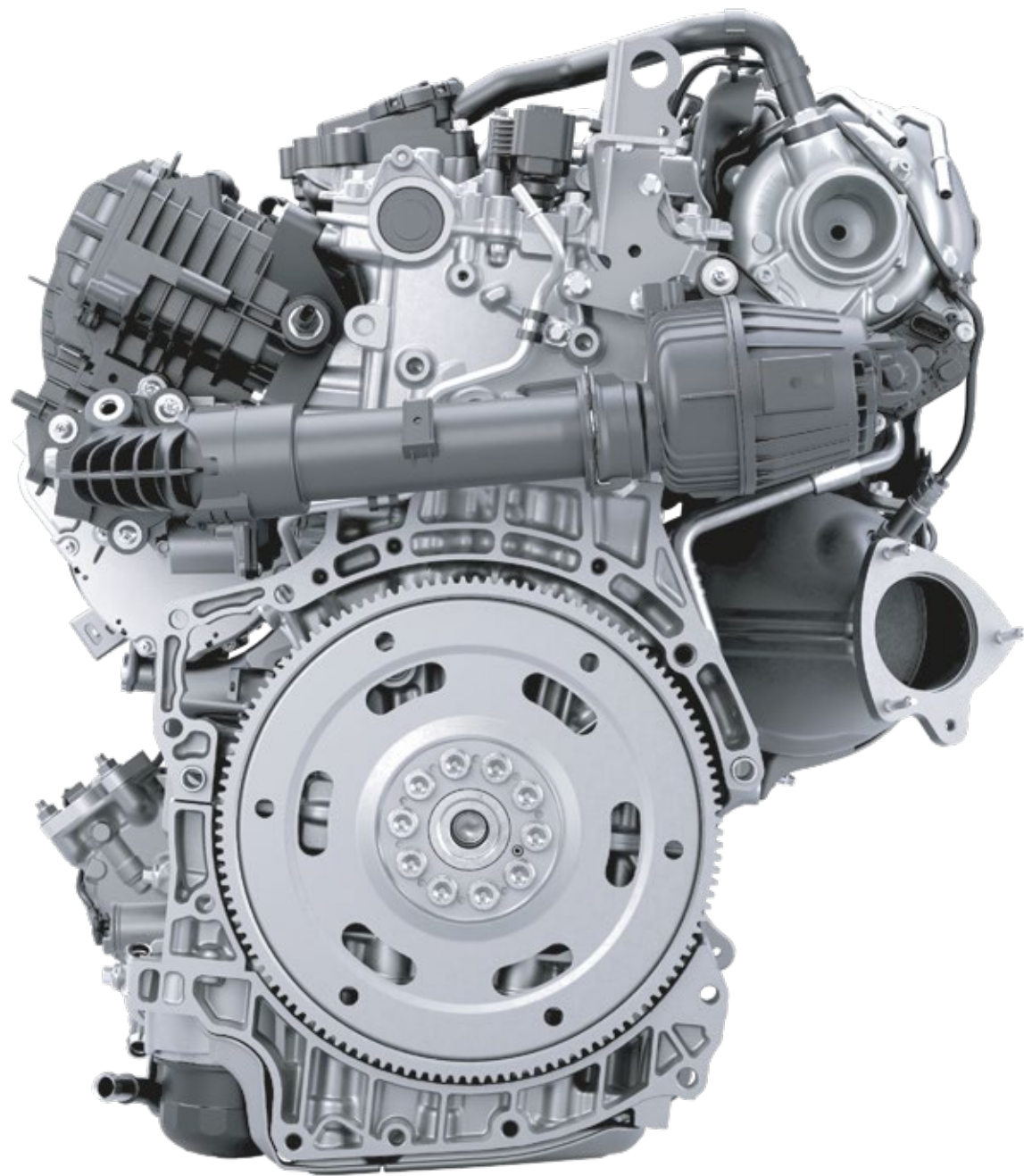
Reliable and versatile range extenders

X-RANGE

CORE

CORE

Cost-efficient solutions for regions with no or limited electric infrastructure. Balanced attribute delivery across all applications.



Product overview

CORE engines and transmissions



EFFICIENCY

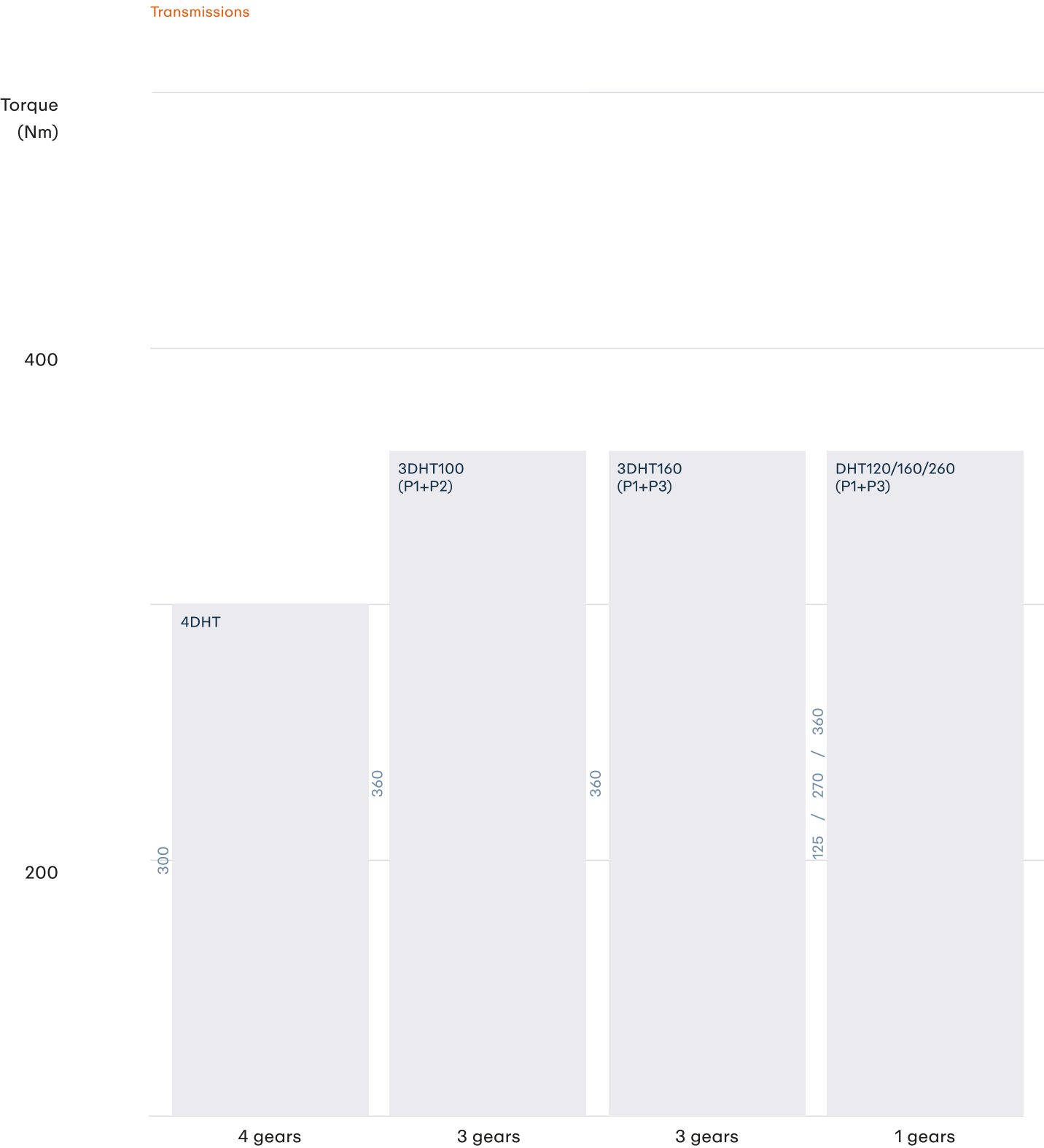
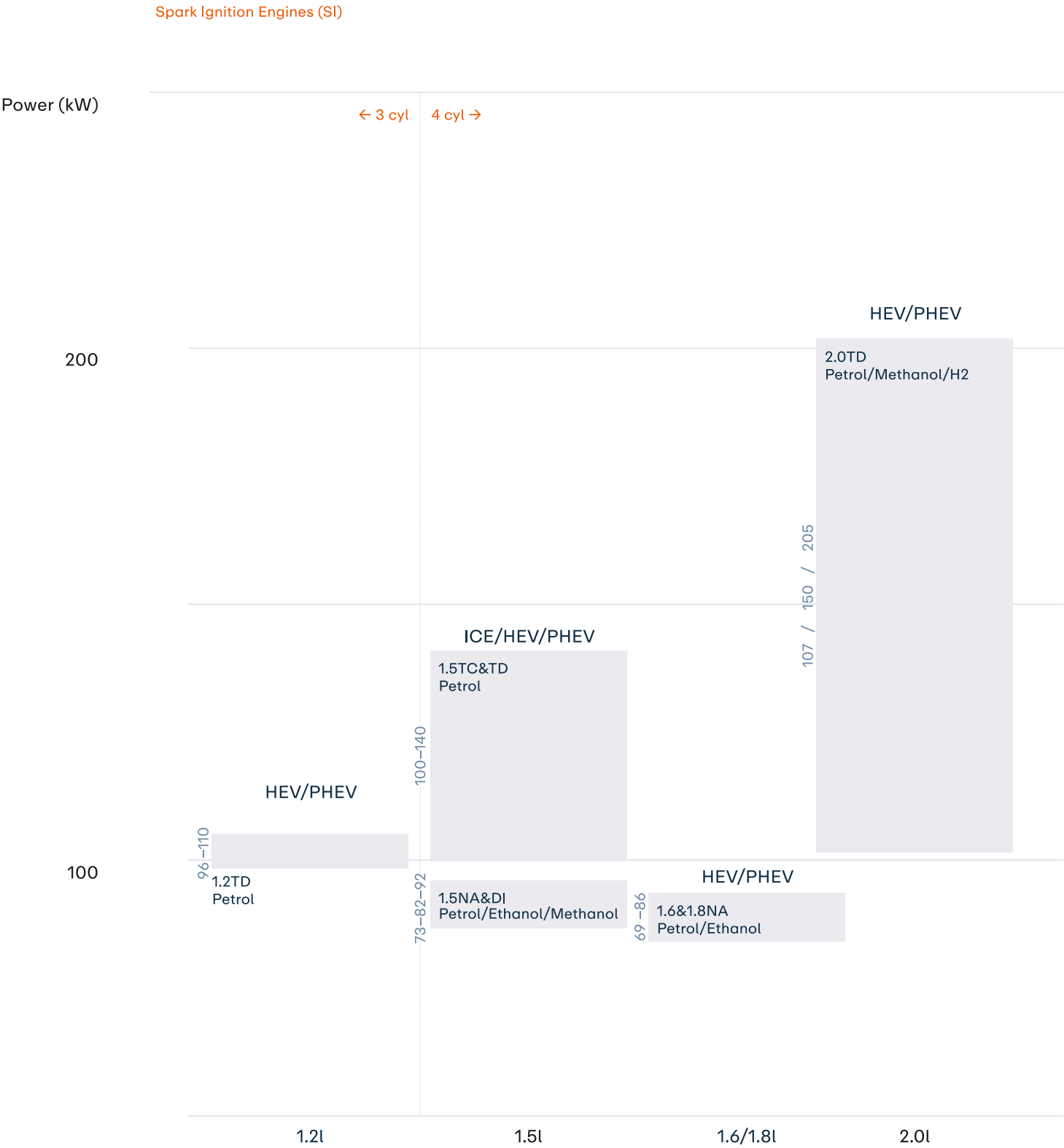
EFFICIENCY

Outstanding fuel economy in the real world.
Designed to push the boundaries of thermal
and mechanical efficiency



Product overview

EFFICIENCY engines and transmissions



PERFORMANCE

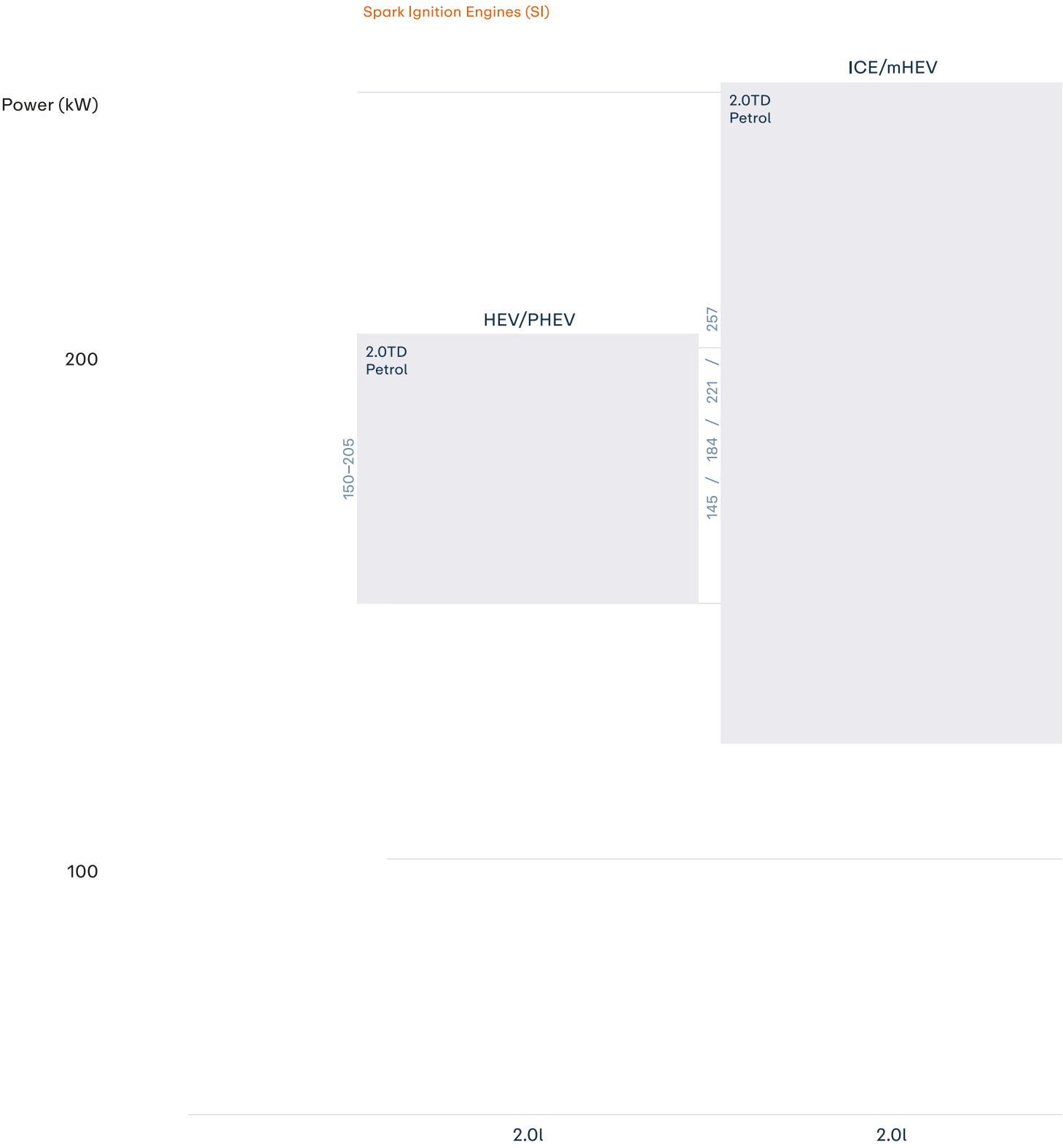
PERFORMANCE

Delivering leading driveability and performance. Lightweight and durable, with market-leading power to weight ratio.



Product overview

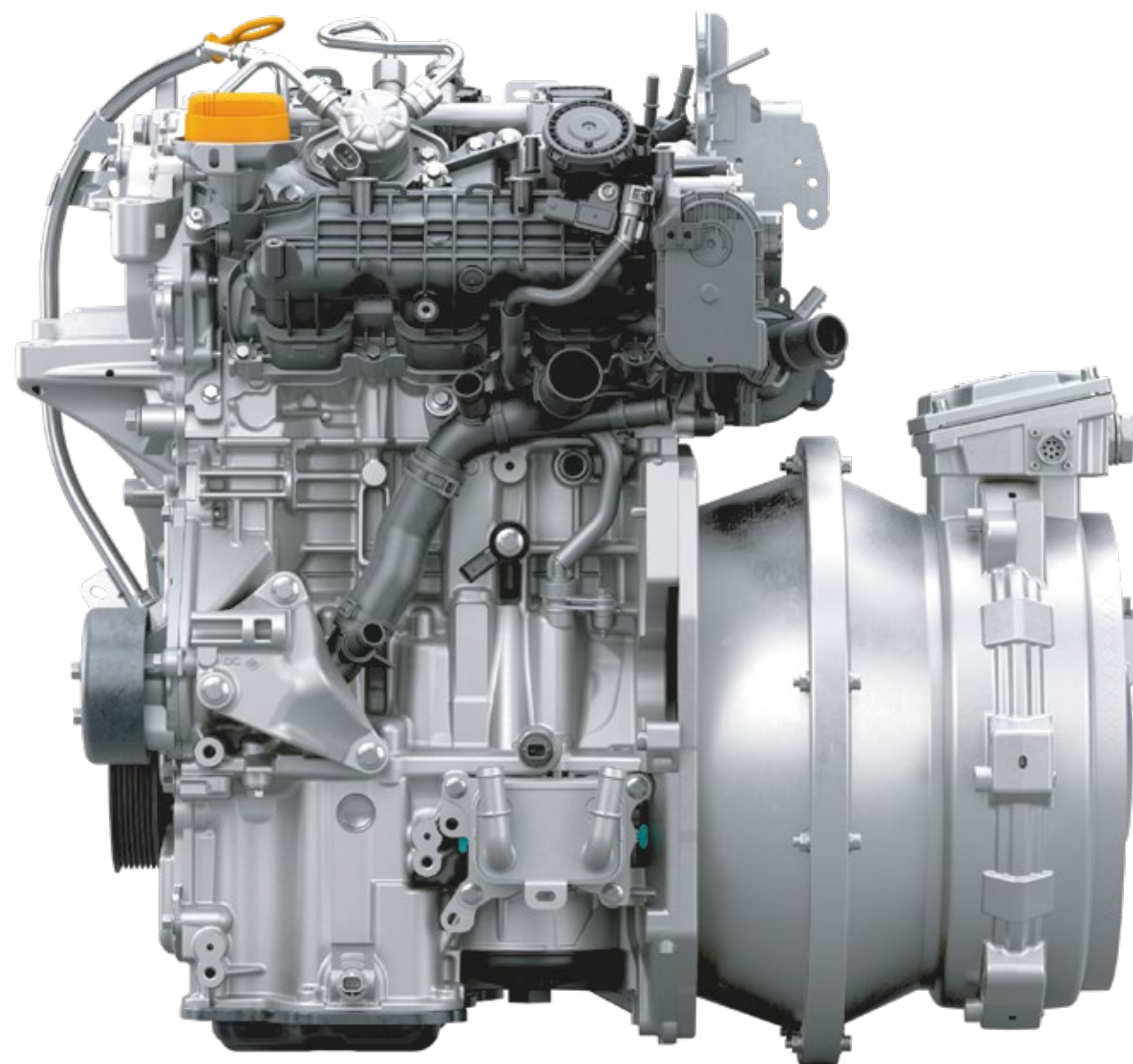
PERFORMANCE engines



X-RANGE

X-RANGE

Extending the range for many different vehicle types. Lightweight, compact and efficient; compatible with multiple fuel types.



Product overview

X-RANGE engines

1.5L T/C DI GASOLINE HEV/PHEV/REV

Max output power: 106kW@5500rpm
Max output torque: 230Nm@2500-4000rpm

- High-performance turbo
- Miller Cycle
- High-Compression ratio
- Integrated Manifold
- Low-friction design
- Variable Oil Pump
- Silent IT Chain
- E-Water Pump
- Multi-Split Flow Cooling
- WCAC
- LP-EGR

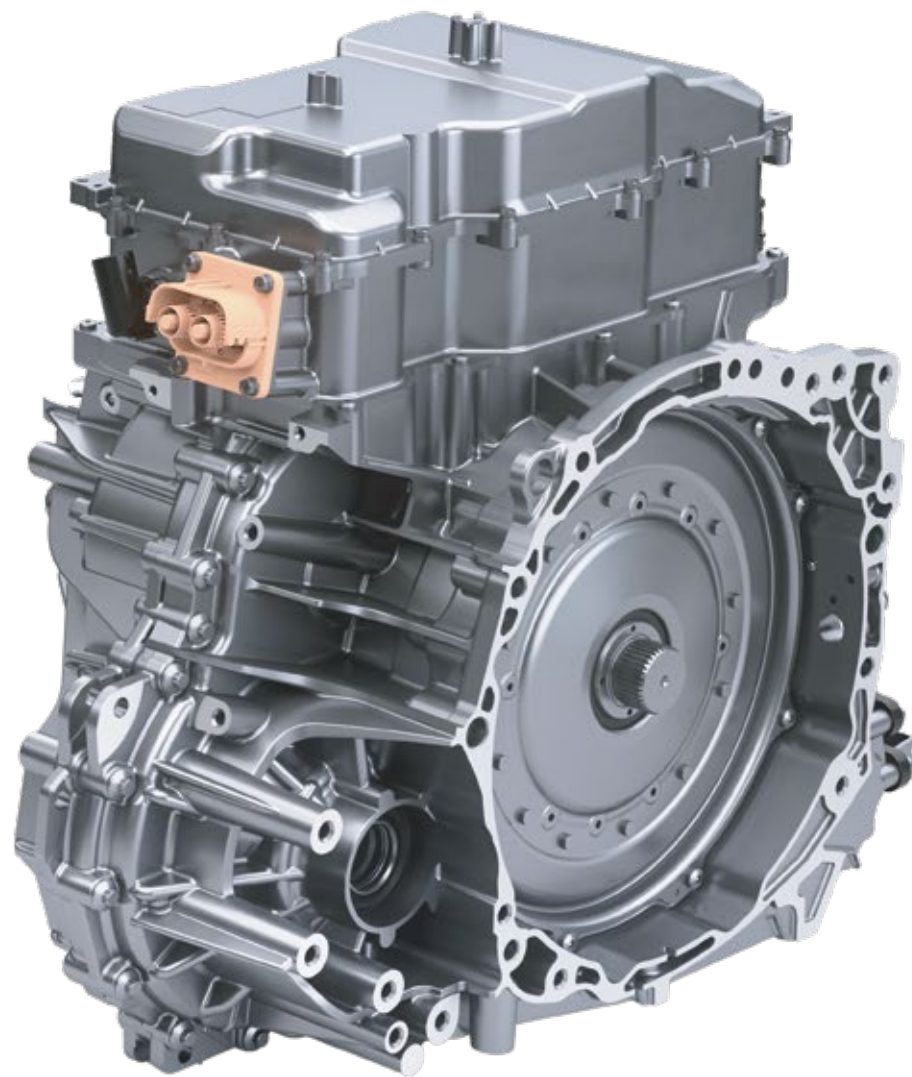


3DHT100

HEV/PHEV/REV

Max output torque: 4920Nm
Toque mass ratio: 41Nm/kg
Axial length: 354mm

- High accuracy double clutch
- Double brake system
- Two planetary gearsets
- Eddy Current Sensor
- High-low pressure ETP
- 60Bar HCM
- Cooler system
- PCM
- 120Kg with oil
- Self-sealing differential
- Ultra-thin wall thickness housing
- High tech two E-motor system

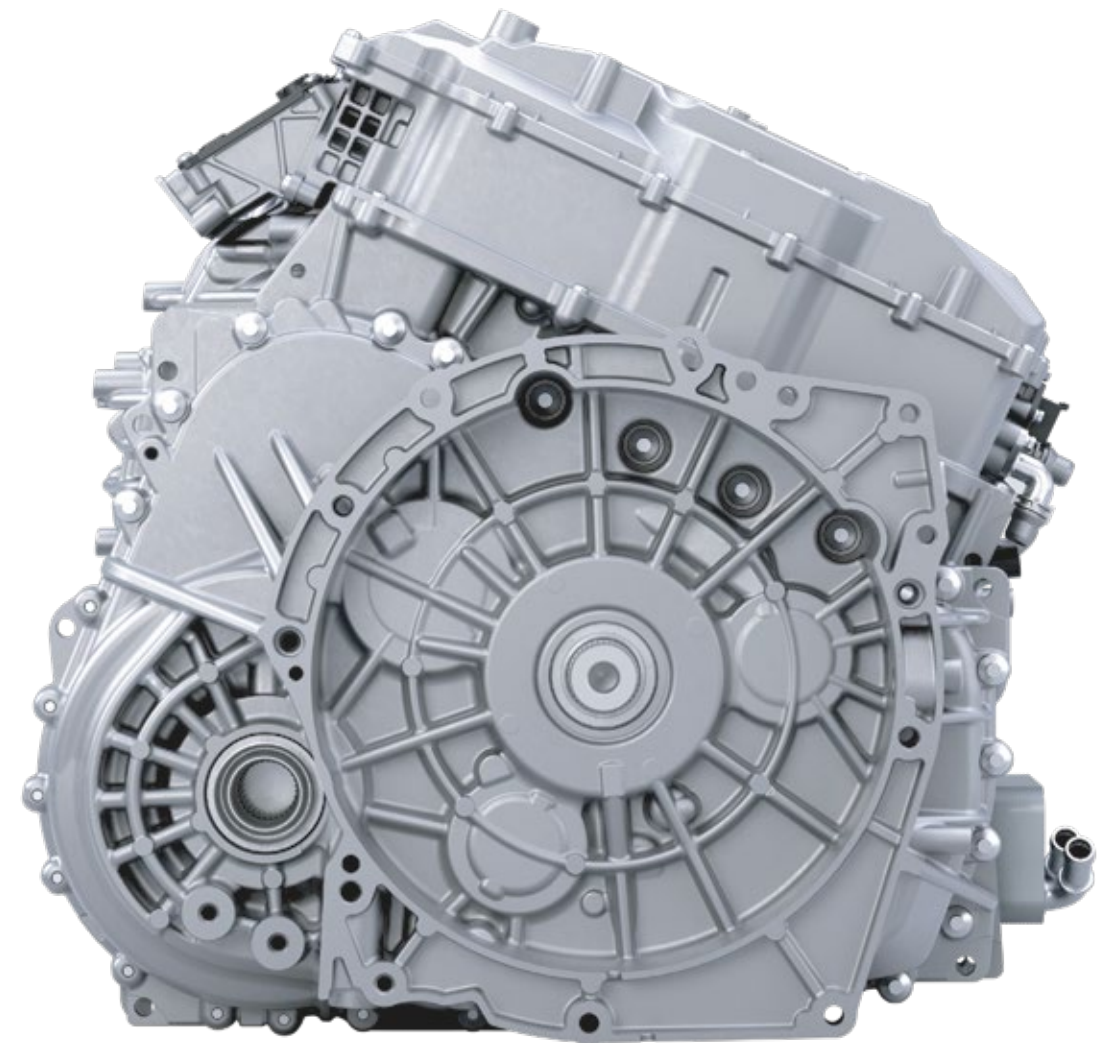


3DHT160

HEV/PHEV/REV

Max output torque: 4920Nm
EV Max output torque: 4000Nm
P3 peak power: 160kW@380V

- P1/P3 Motor
- Electric shifting System
- Parallel gear
- Eddy Current Sensor
- BLDC motor & pump
- Integrated PCM
- Low-viscosity oil
- Self-sealing differential





horse-powertrain.com

salesglobal@horse-powertrain.com

[linkedin.com/company/horse-powertrain](https://www.linkedin.com/company/horse-powertrain)