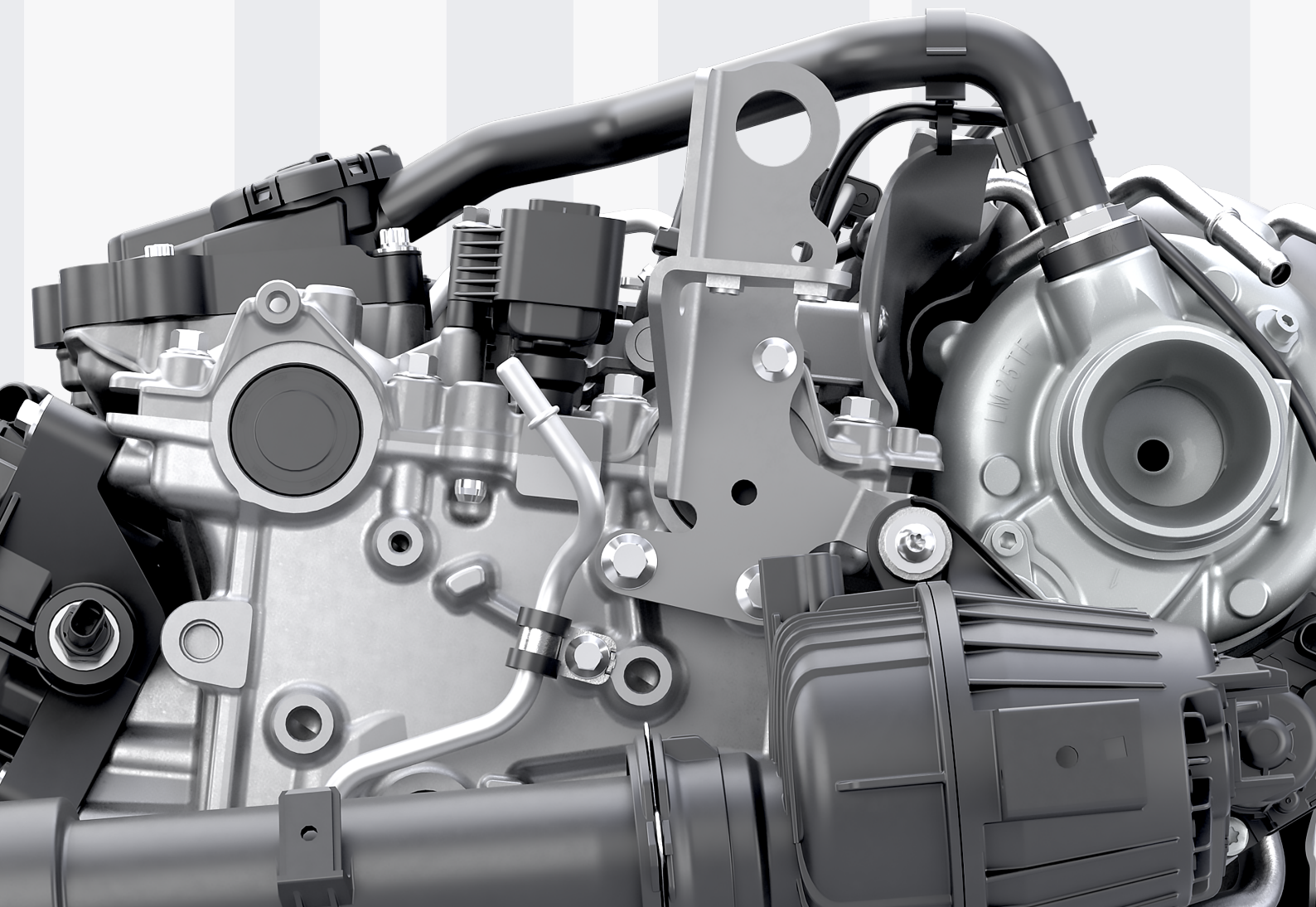


# NEXT-GENERATION POWERTRAIN SOLUTIONS



We offer a range of powertrain solutions to meet the needs of customers, in every region, across every fuel type. From integrated powertrain systems to standalone products: combustion engines, hybrid solutions, transmissions and range extenders.

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	Gothenburg
	Skövde
Türkiye	Bursa
United Kingdom	London

# A new global leader in powertrain solutions

Units produced  
per annum

Countries our products  
are present in

Manufacturing Plants

R&D Centers

Employees

+8m

130

18

5

19 000

# POWERTRAIN SYSTEMS





01

## Horse One

### combustion powertrain systems

Integrated systems compatible with a variety of fuels  
– from traditional to synthetic, to meet local demand  
around the world.

02

## Horse Fusion

### hybrid powertrain systems

Integrated HEV, PHEV and REEV systems for almost  
any vehicle platform and fuel type, which can quickly  
go into production.

03

## Horse X-Range

### powertrains for BEV-native platforms

Integrated systems that allow automakers to hybridize  
BEV-native platforms with minimal modifications.  
Allows automakers to expand their vehicle line-up  
using their BEV investments.

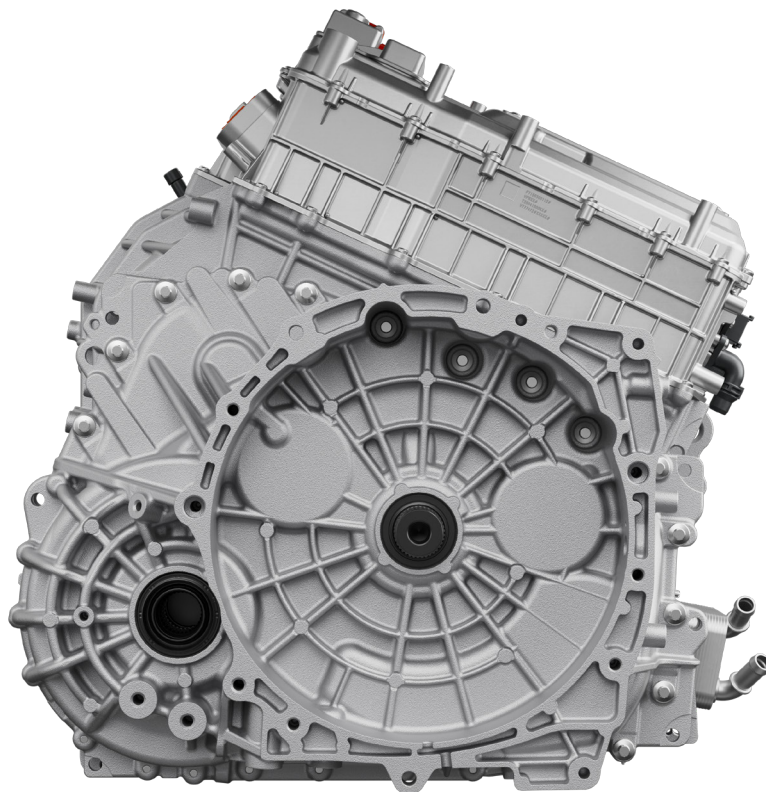
IN THE SPOTLIGHT

Our latest innovations offer a frictionless way to broaden automakers line-ups on new and existing vehicle platforms. Allowing our customers to focus on the differentiators: design, software and EV platforms.

# Quiet and smooth for the ultimate driving experience

## HORSE DHT290

A single-speed transmission, the HORSE DHT290 is designed to deliver top-end performance and responsiveness combined with superior noise-reduction for a smooth and comfortable EV and hybrid driving experience.



## HORSE DHT290

### Key features

- P1 + P3 series-parallel architecture, enabling pure-EV driving, engine-only drive, or combined hybrid power
- Near 1000V platform enables fixed gear ratio, superior responsiveness, and minimized noise
- 1200V SiC Mini-HPD

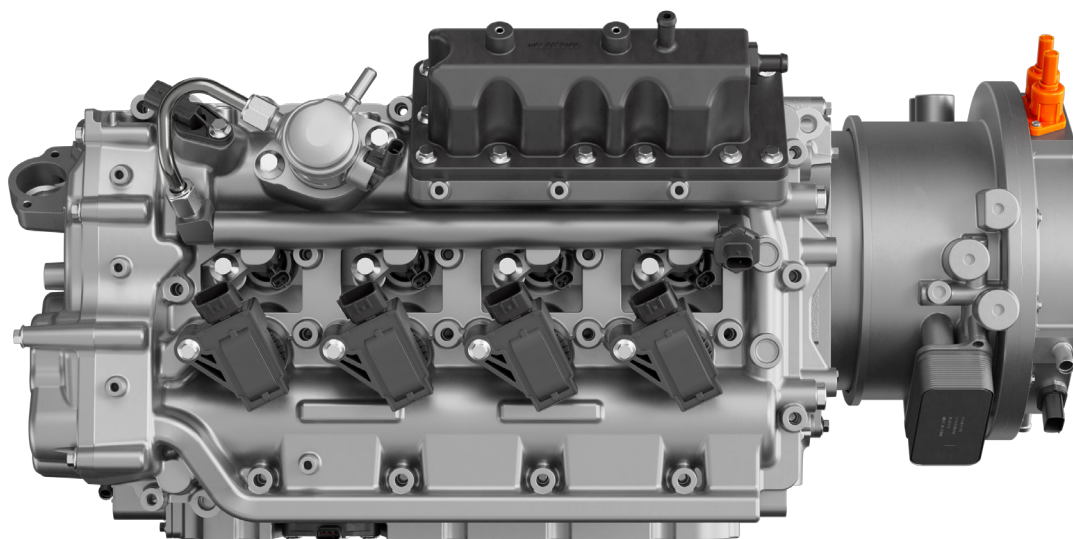
### Technical specifications

Voltage Platform	900V
Hybrid Architecture	P1+P3 Series-Parallel
Weight Including Oil (kg)	129
Gears	Engine Drive: 1-Speed Motor-Drive: 1-Speed
Max. Wheel Torque (Nm)	4920
Motor Peak Power (kW)	P1:145, P3:290

# Helping all EVs go the extra mile

## HORSE X-RANGE C15

An ultra-compact powertrain that integrates an engine and generator, the HORSE C15 enables existing BEV platforms to serve as the foundation for REEV line-ups. Intended for installation at the front of the vehicle or under the rear seats, the HORSE C15 allows automakers to deliver pure-electric experiences with maximum range.



## HORSE X-RANGE C15

### Key features

- Combines a 1.5-liter, 4-cylinder engine with generator, exhaust, and cooling unit
- Can be packaged horizontally or vertically
- Available with either a naturally aspirated or a turbocharged engine
- Compatible with existing EDUs and suitable for installation in various locations across a BEV, including in the front or rear compartments

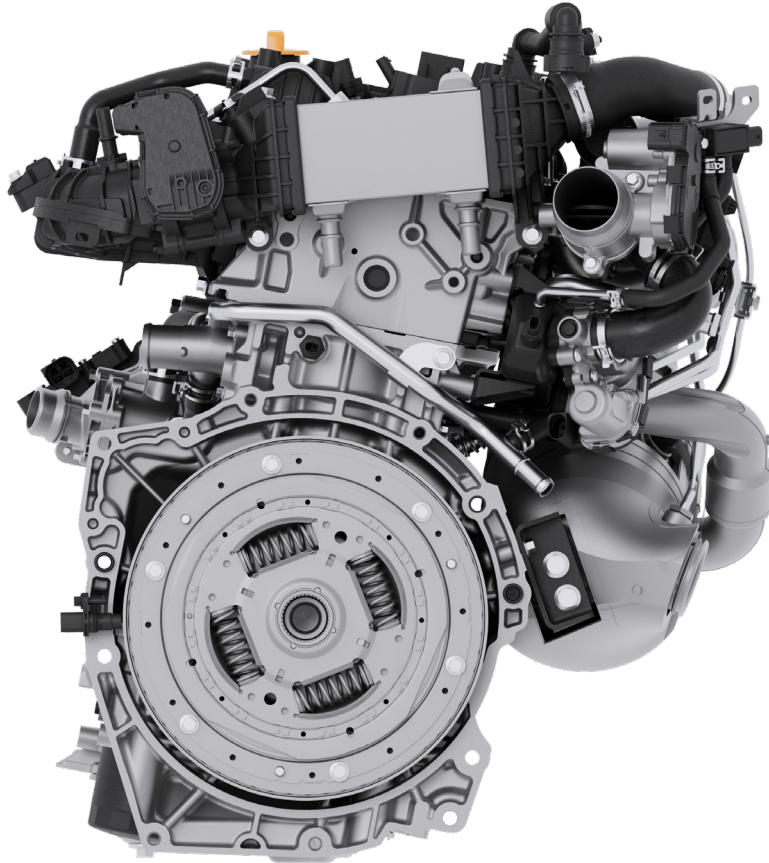
### Technical specifications

Maximum Power:	N/A: up to 70kW, T: up to 120kW
Fuel Type:	Gasoline & e-Fuel
Number of Cylinders:	4
Displacement:	1.5L
Induction:	Naturally Aspirated, Turbocharged
Compression Ratio:	NA 14.5:1 T 11:1
Fuel Injection:	Direct Injection
Dimensions (mm):	500x550x275

# High efficiency hybrid engine

## HORSE B15

Combining cutting-edge technologies with a high-efficiency combustion engine, the HORSE B15 is designed specifically for hybrid vehicles. A unique, 'duckbill'-shaped air intake allows for better air flow, working in conjunction with intelligent thermal management technologies, to create one of our most efficient engines.



## HORSE B15

### Key features

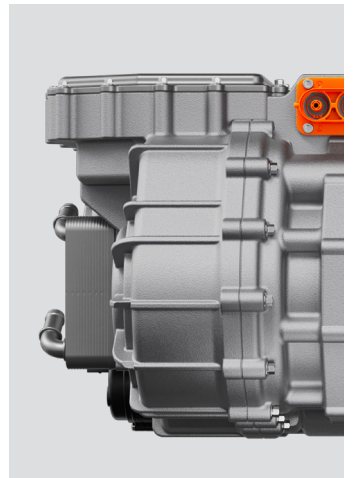
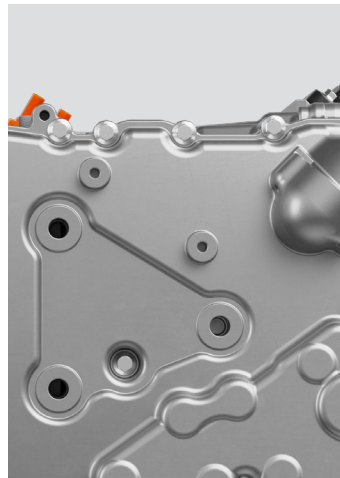
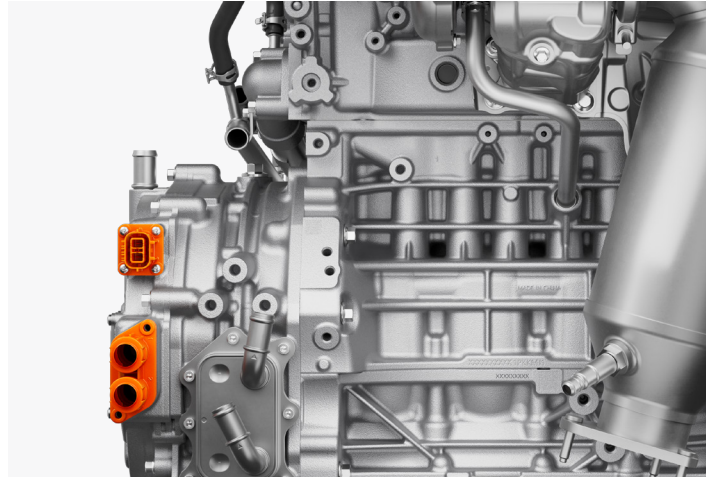
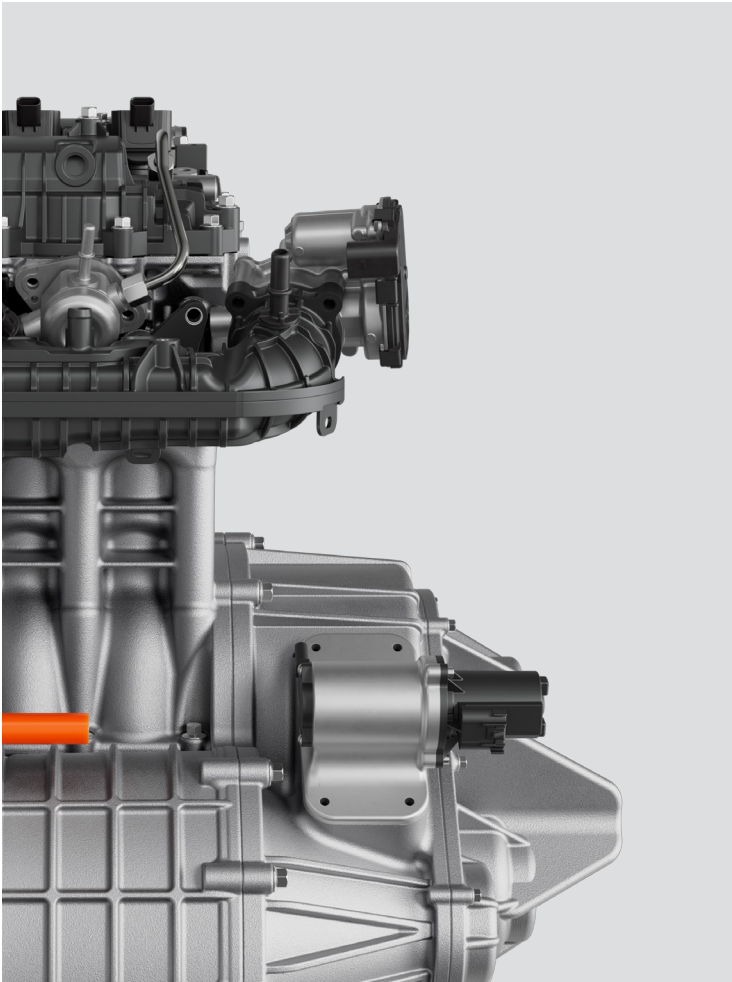
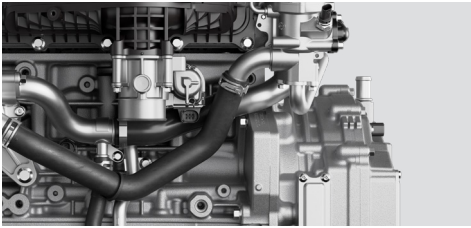
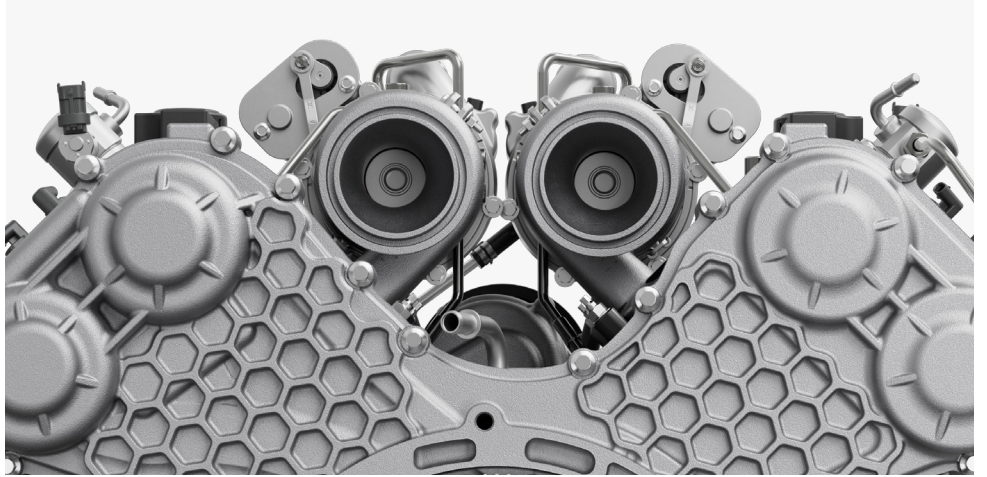
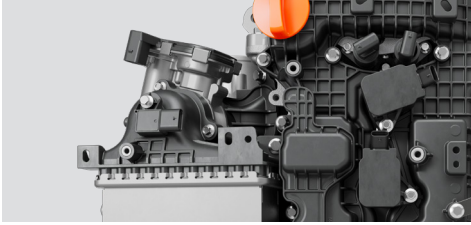
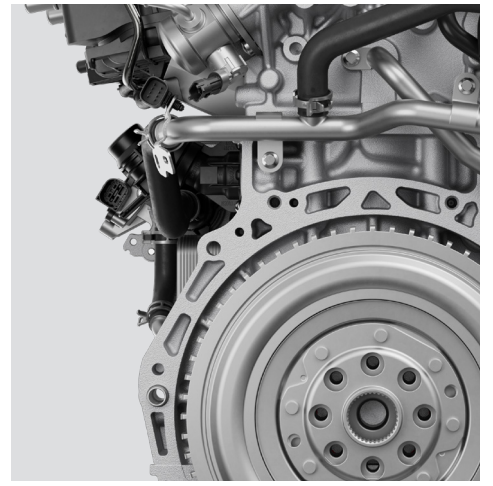
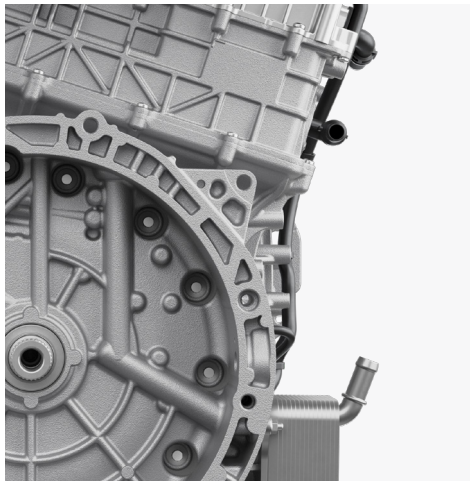
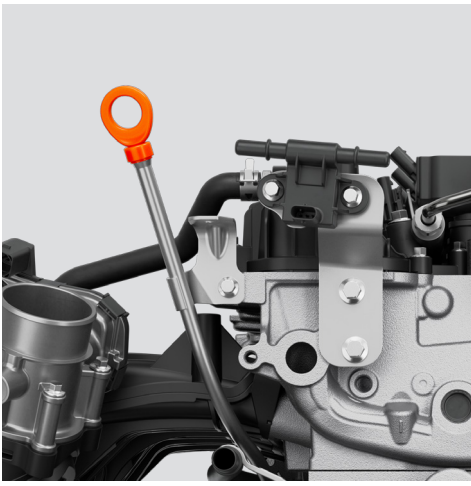
- A unique "duckbill" design of the large-angle air passage improves airflow guidance, as well as airflow-conformity to the piston top, ensuring the most efficient travel of air and system control
- The combustion chamber is shaped to closely resemble a hemispherical shape that improves in-cylinder gas flow and flame propagation, increasing combustion speed and reducing knock frequency
- A new generation ultra-efficient combustion system with a high compression, large stroke-to-diameter ratio

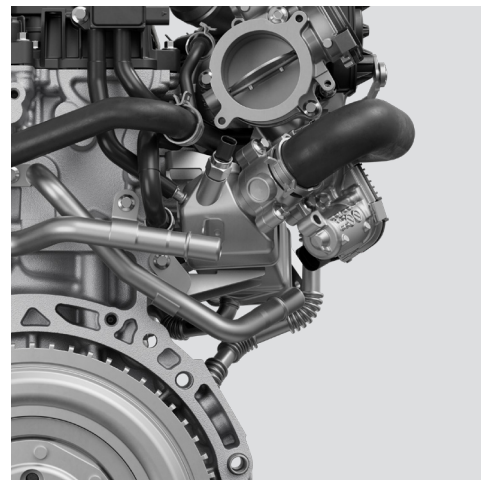
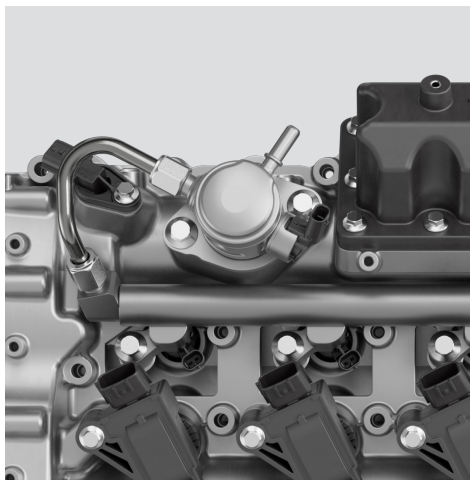
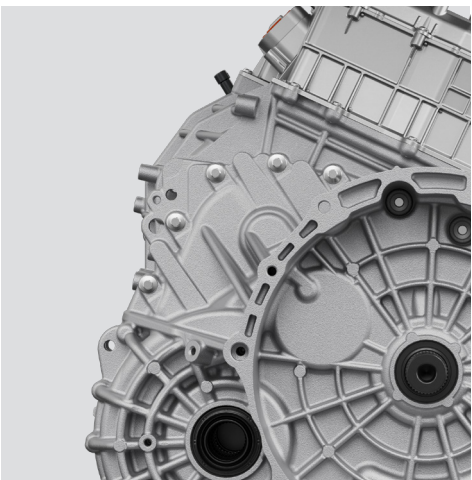
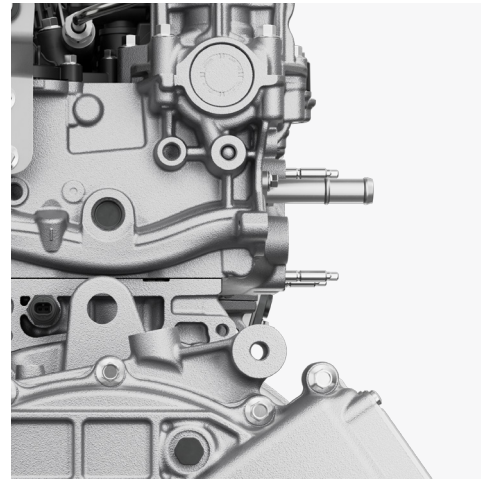
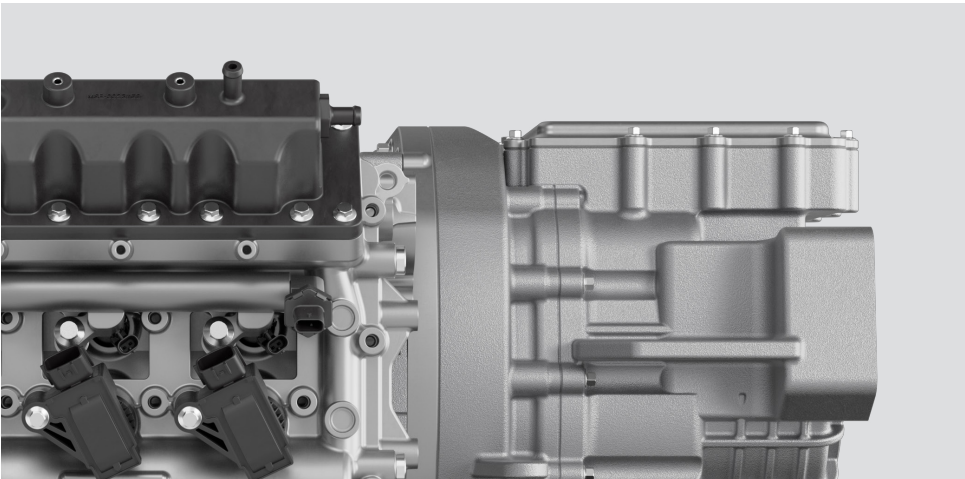
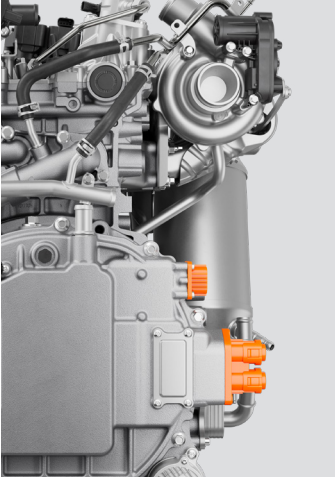
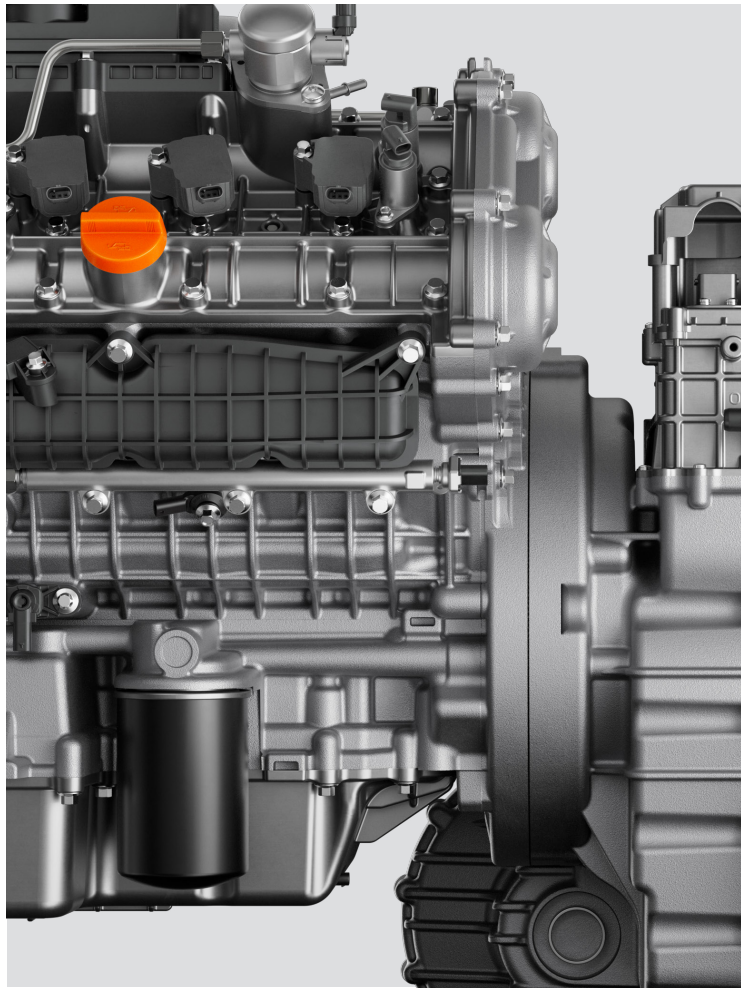
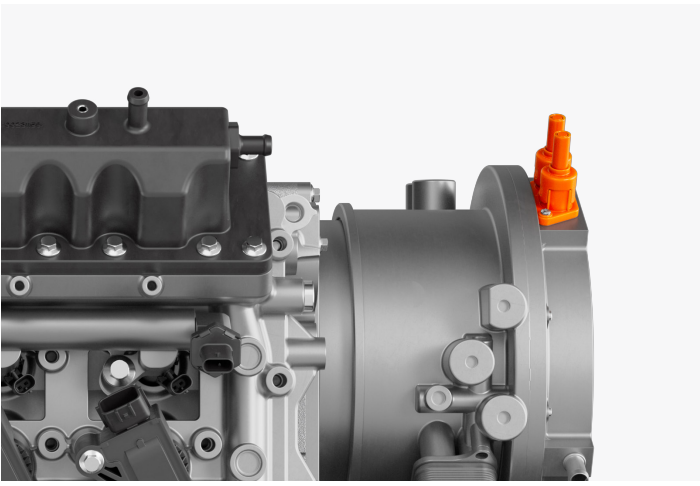
### Technical specifications

Fuel Type	Gasoline
Emission Standard	China 6b, Euro 6e
Hybrid Configuration	HEV/PHEV/REEV
Number of Cylinders	4
Cylinder Arrangement	Inline
Displacement (L)	1.499
Induction	Turbocharged
Fuel Injection Method	Gasoline Direct Injection
Max. Power (kW)	100
Max. Torque (Nm)	225

# PRODUCT PORTFOLIO

With a broad range of durable, reliable and versatile products, we meet the varied needs of the global market. All of our products can be delivered separately or as part of a One, Fusion or X-Range system configuration.





# System overview

## Horse One combustion engines and transmissions

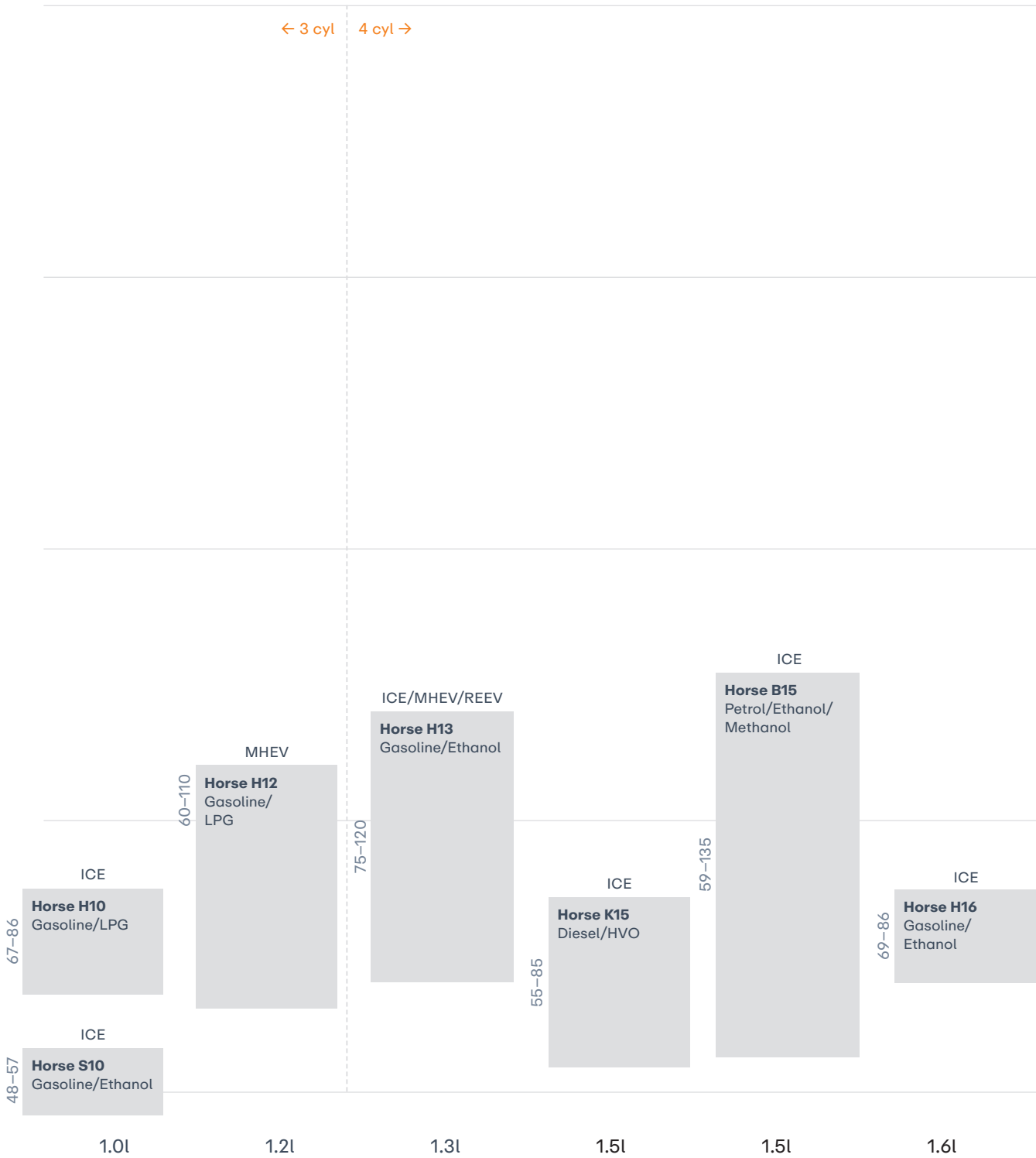
Spark and compression ignition engines

Power  
(kW)

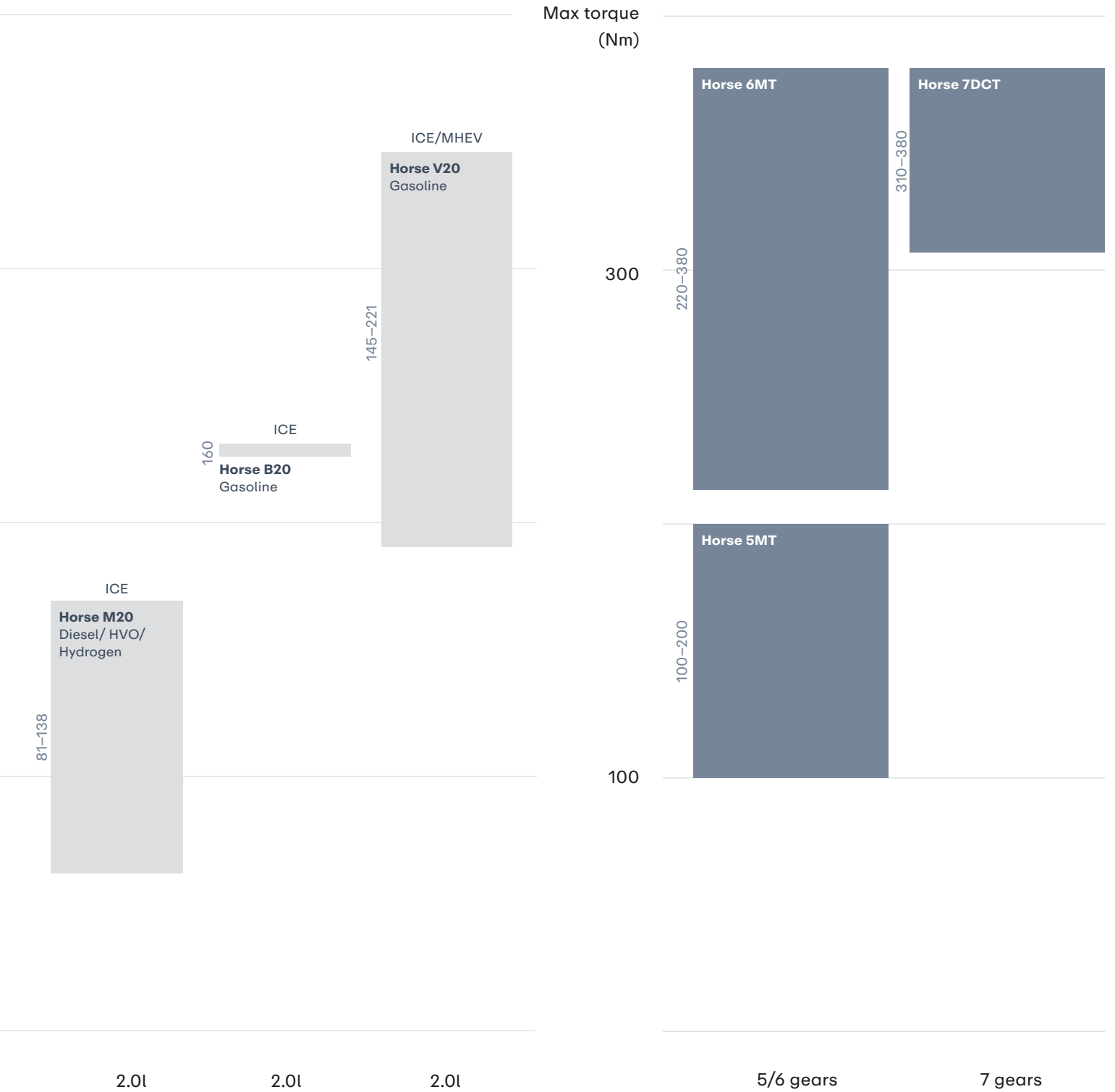
← 3 cyl 4 cyl →

200

100



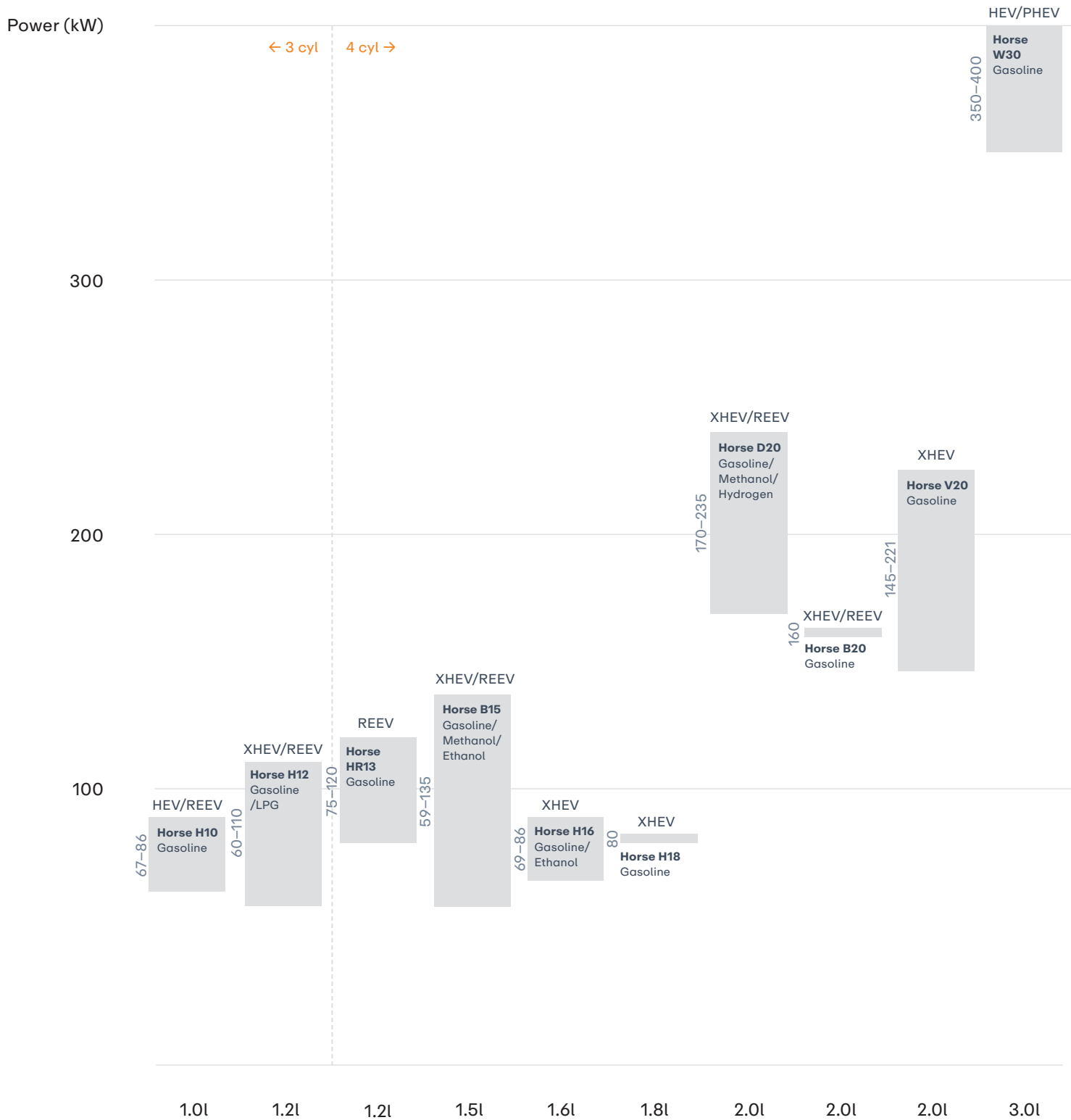
Manual transmissions



## System overview

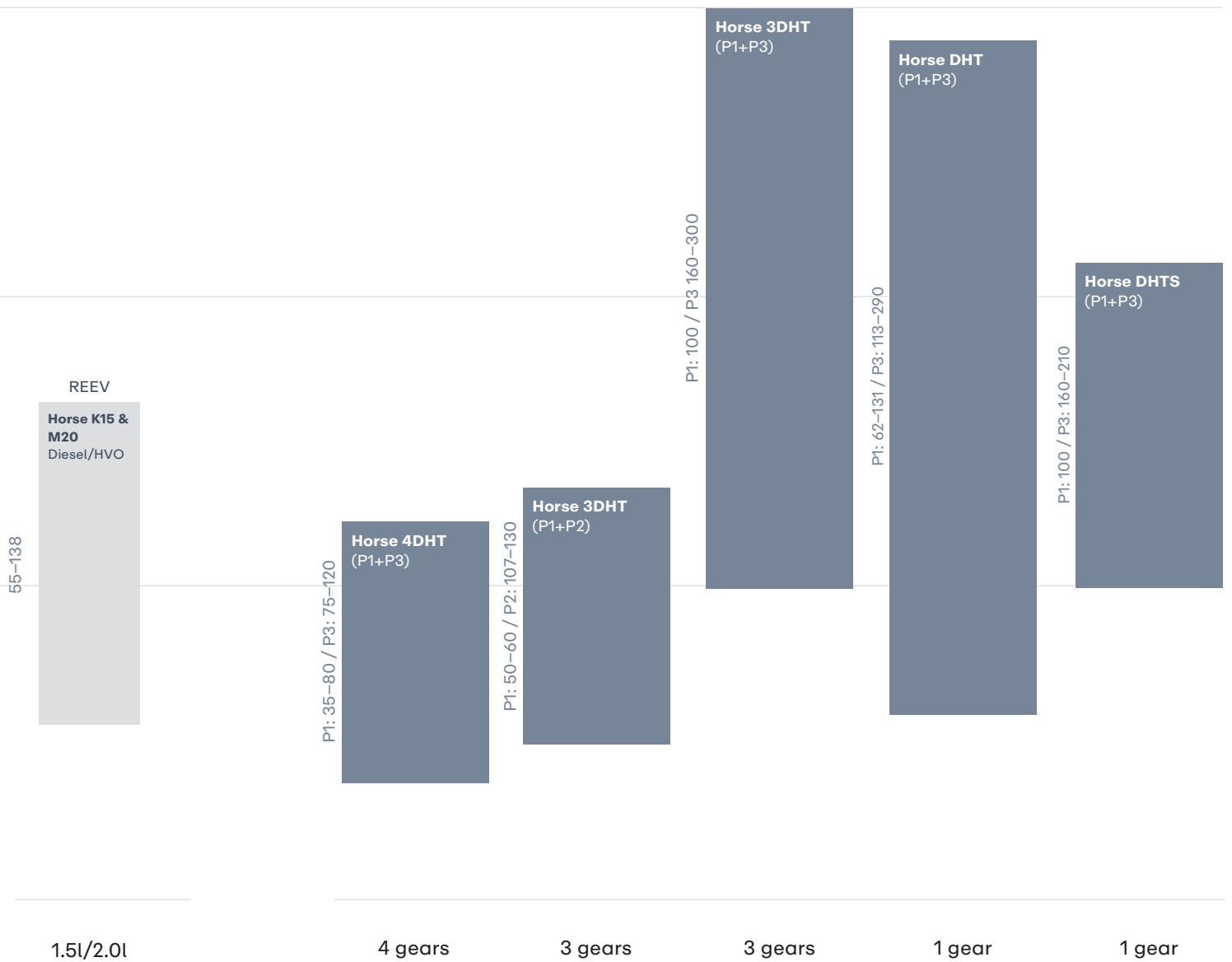
Horse Fusion hybrid engines and transmissions

Spark and compression ignition engines



Hybrid  
transmissions

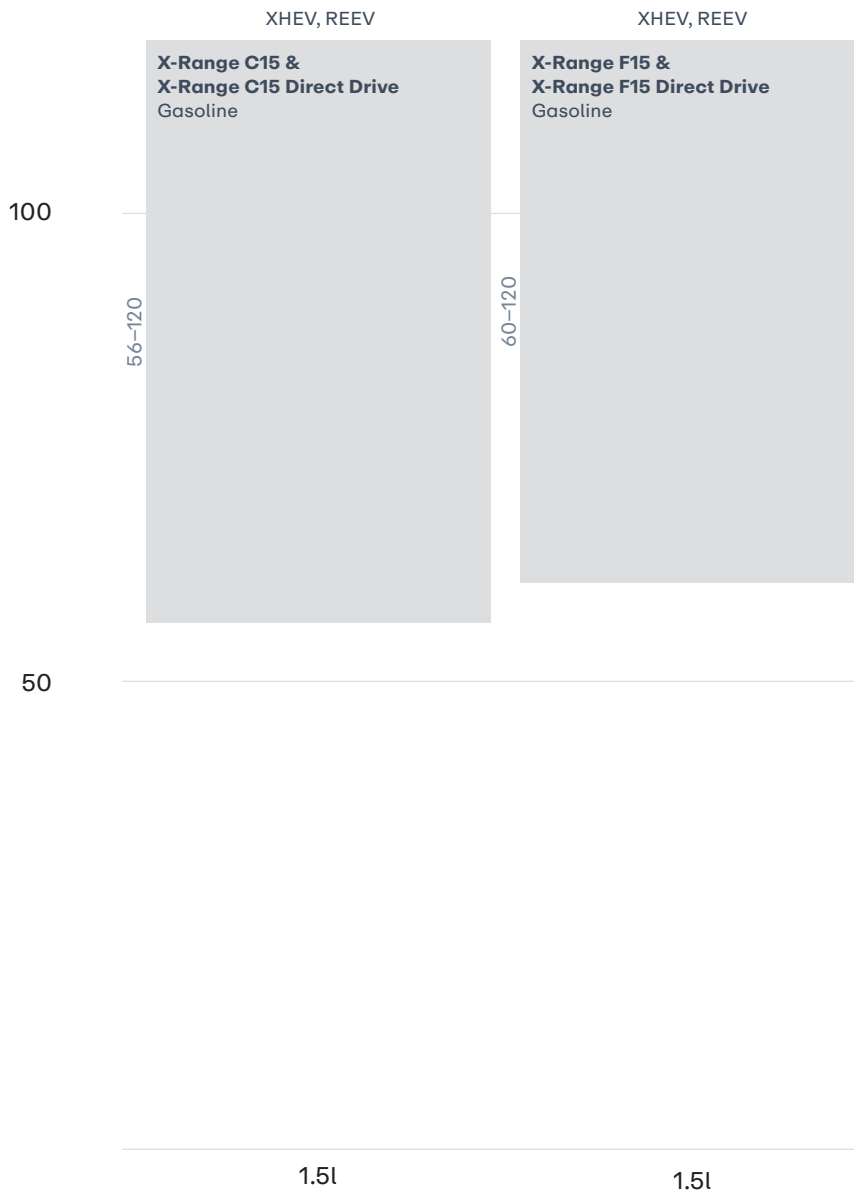
E-machine  
/motor peak  
power (kW)

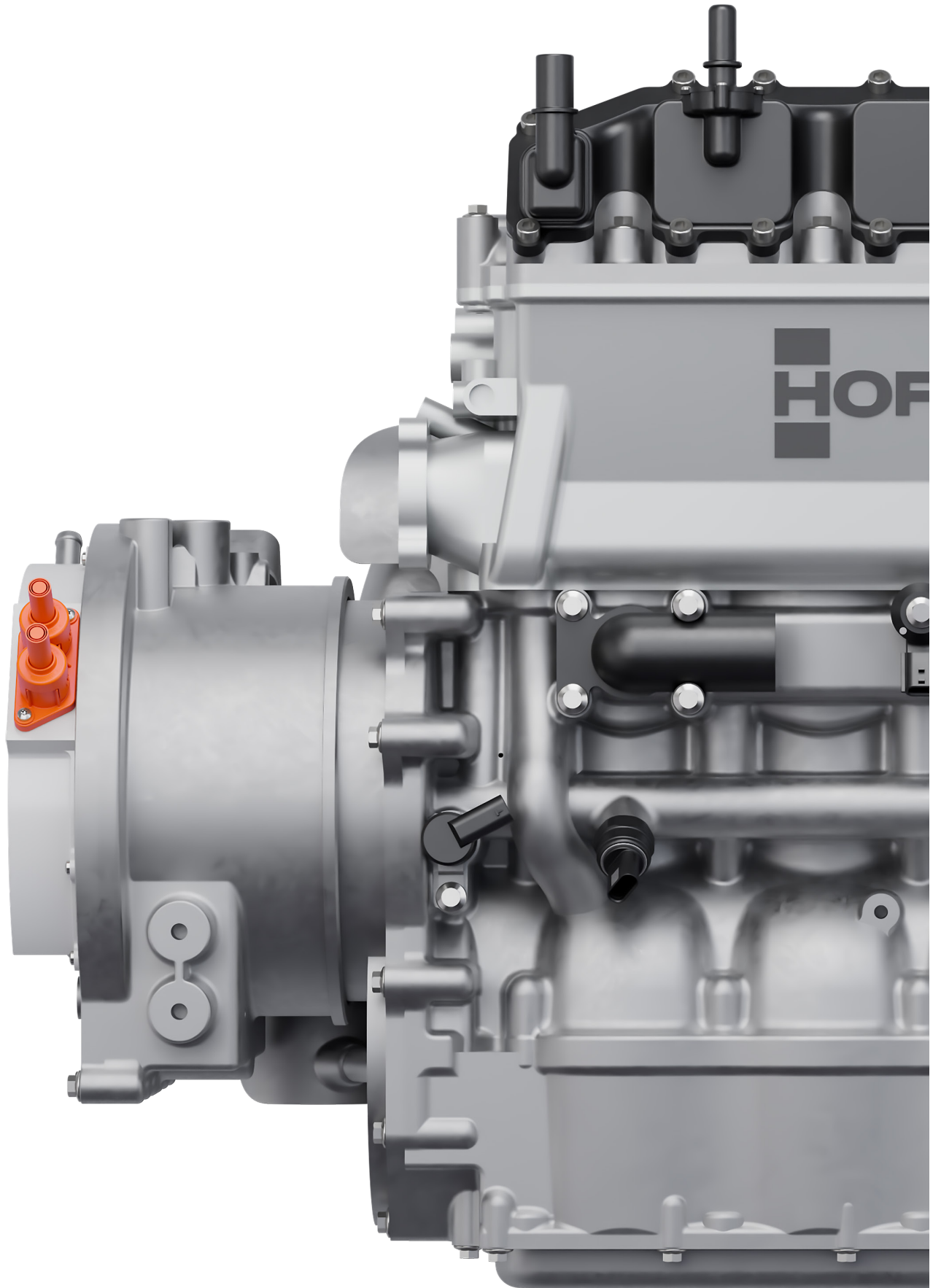


## System overview

Horse X-Range powertrains for dedicated EV platforms

Continuous  
Power (kW)







[horse-powertrain.com](http://horse-powertrain.com)

[salesglobal@horse-powertrain.com](mailto:salesglobal@horse-powertrain.com)

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