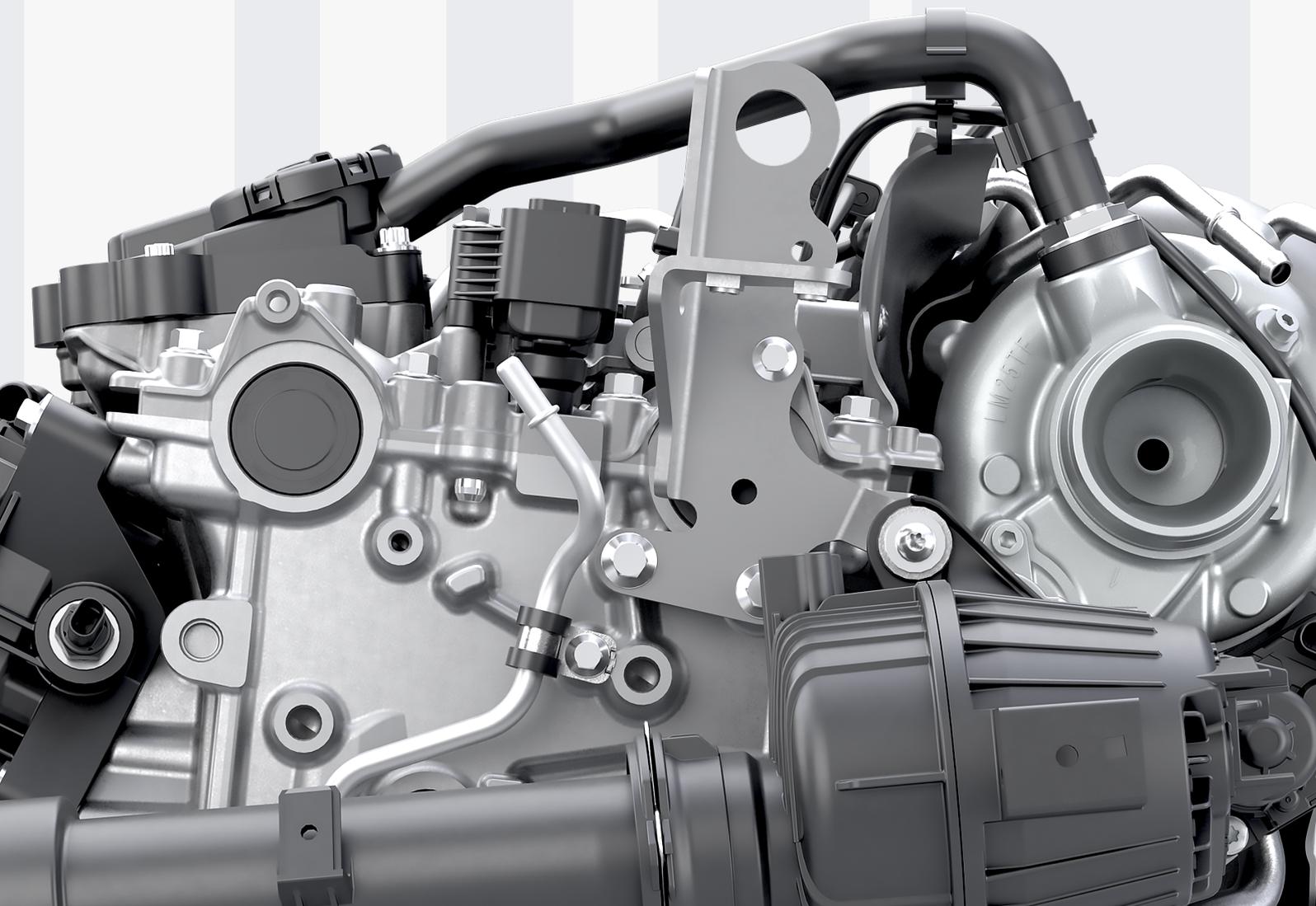


# NEXT-GENERATION POWERTRAIN SOLUTIONS



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

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

# POWERTRAIN SYSTEMS

Horse Powertrain brings together powertrain components from across our portfolio into powertrain systems, designed to work seamlessly across combustion, hybrid and EV platforms. This enables customers to cost efficiently broaden their offering and shorten time to market, staying focused on their strategic priorities.



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.

ONE



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.

FUSION



03

## Horse X-Range powertrain systems

Integrated systems offering the benefits of electrification, alongside a combustion engine, to extend range. Increases the choice that OEMs can offer from their EV platforms, with minimal modifications.

X-RANGE

# IN THE SPOTLIGHT

Our range extenders are the optimal transitional technology for markets not yet ready for full electrification, and are available as part of a system configuration or as standalone products. They help increase range and operational flexibility in both personal and commercial vehicles.

COMING 2028

# Pure power

## HORSE M20 REX

A robust and efficient system that provides dependable, long-range travel for demanding operations.



### HORSE M20 REX

#### Key features

- Delivering 105kW of continuous electric power from the 2.0-liter, 4-cylinder diesel combustion engine
- The power and durability of this engine offer increased range and operation flexibility for buses and coaches traveling greater distances
- Compatible with electrical architectures up to 800v, enabling fast charging
- Designed for emissions level EU6d

#### Technical specifications

Power:	Peak electrical power: 125kW Continuous electrical power: 100kW
Fuel Type:	Diesel, B10, HVO
Number of Cylinders:	4
Displacement:	2.0L
Induction:	Turbocharged
Compression Ratio:	15.1:1
Fuel Injection:	Common Rail Direct Injection (2500b)
REX Consumption:	0.27* <sup>l</sup> /kWh

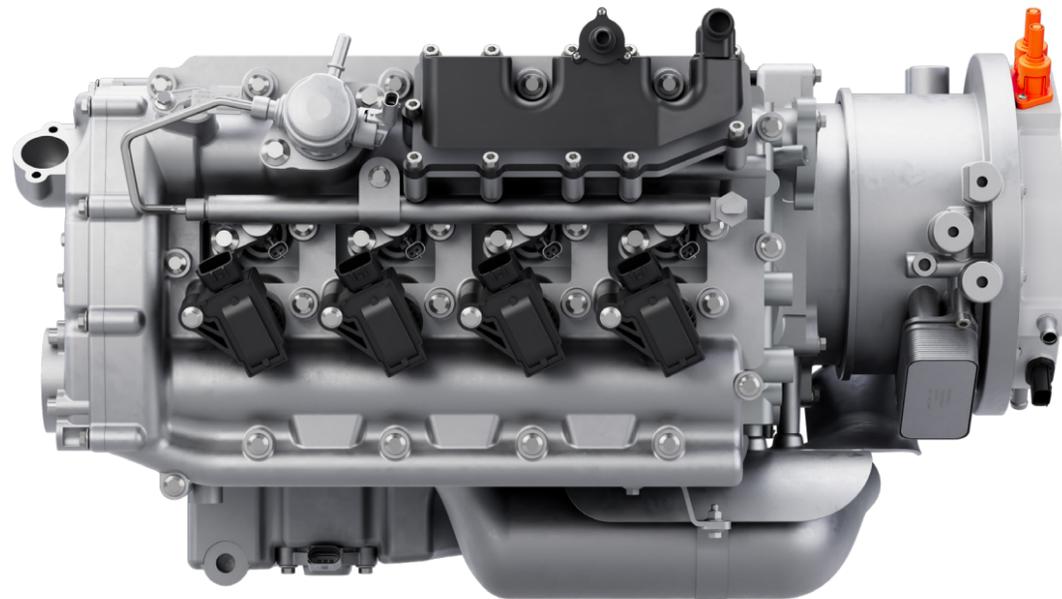
\*On EN590 on best operating point

AVAILABLE 2027

# Helping all EVs go the extra mile

## HORSE C15

An ultra compact single unit that combines engine and generator, transforming BEVs into range-extended EVs, allowing OEMs to easily and efficiently widen their product line-ups to meet market demands. The ideal transitional technology for markets and consumers not yet ready for full electrification.



## HORSE C15

### Key features

- Briefcase-shaped system combines a 1.5-liter, 4-cylinder engine with generator, exhaust, and cooling unit, that can be packaged horizontally or vertically
- Allows for simple integration with existing EDUs and designed to fit into the front compartment of BEV platforms or in the rear
- Measures 500 x 550 x 275 mm
- Designed for Euro 7 compliance, China 7, SULEV20
- Can be fitted into passenger vehicles as small as B-segment, through to LCVs

### 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:	14.5:1
Fuel Injection:	Direct Injection

AVAILABLE 2028

# Small but mighty

## HORSE 4DHT120

Our Horse 4DHT120 transmission can be used on a hybrid engine of any fuel type. It delivers the driving feel of an EV, as well as providing outstanding fuel efficiency on both city and highway driving.



### HORSE 4DHT120

#### Key features

- 5-in-1 unit, combining eMotor, Hybrid Starter Generator, Power Electronics Box, DCDC converter and transmission
- 30% smaller and up to 10kg lighter than predecessor, while still able to deliver up to 3800Nm of output torque
- Improved acceleration and gear shifts, feels like driving an EV

#### Technical specifications

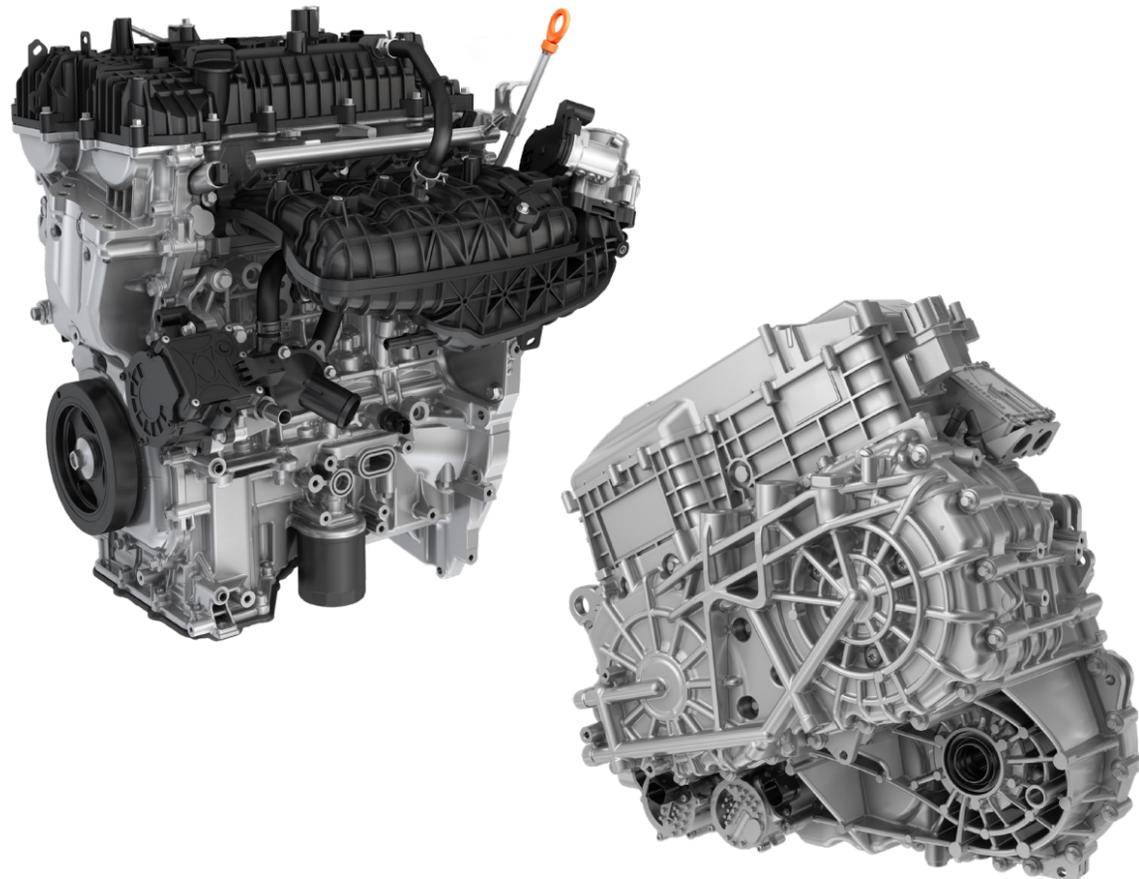
Generator Peak Power:	60kW
eMotor Peak Power:	120kW
Cooling:	Oil
Number of gears:	4
Clutch:	No clutch
Maximum Out Torque:	3800Nm

AVAILABLE NOW

# Efficiency + power = performance

## HORSE B15 + HORSE DHT160

The latest generation engine and transmission that delivers leading hybrid technology and a powerful EV driving experience. Available in the Geely Galaxy Starship 7.



### HORSE B15 + HORSE DHT160

#### Key system features

- Can be driven in both series and parallel hybrid configurations
- Atkinson Cycle, high-efficiency
- The latest generation system controls that delivers outstanding fuel economy in hybrid mode
- A dedicated hybrid transmission with excellent NVH properties, delivering a seamless EV driving experience with boost function

#### Technical specifications (Horse B15)

Maximum Power:	73kW @ 6000 rpm
Max Torque:	125Nm
Fuel type:	Gasoline
Number of Cylinders:	4
Displacement:	1.5L
Induction:	Natural aspiration
Compression Ratio:	14:1
Fuel Injection:	Port injection

#### Technical specifications (Horse DHT160)

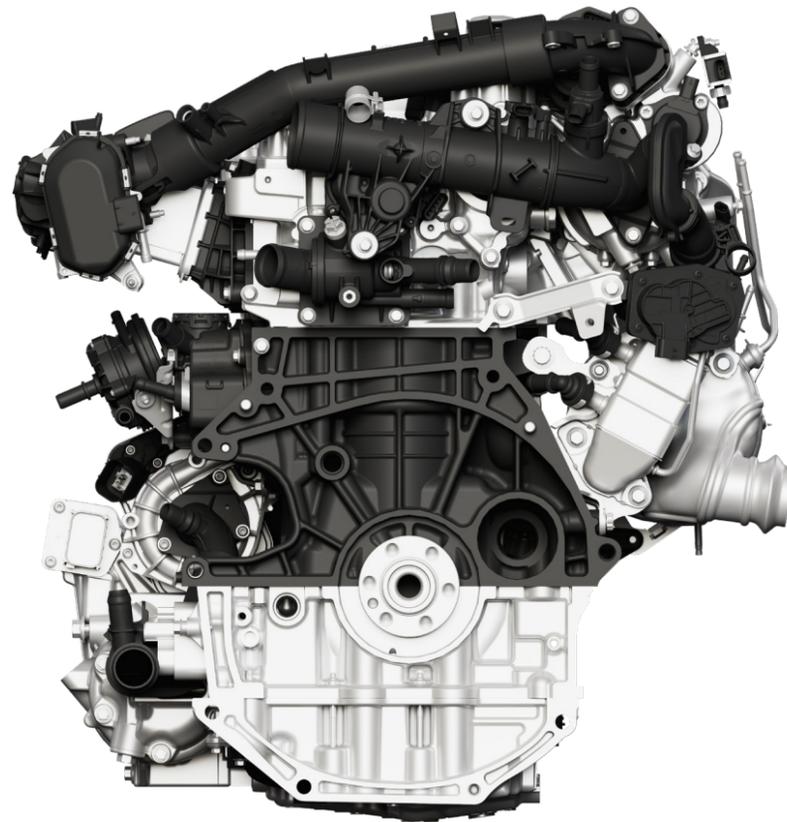
Hybrid Architecture:	P1+P3 Series-Parallel
Gear position:	Single Gear
Maximum Output Torque:	3120Nm
Peak Motor Power:	P1:70kW, P3:160kW

NOW IN PRODUCTION

# Flexibility and fuel efficiency

## HORSE H12

A versatile powertrain solution, compatible with a range of hybrid technologies, fuel types, including LPG, suitable for a variety of vehicle segments. An ideal solution for automaker that require flexibility and fuel efficiency.



## HORSE H12

### Key features

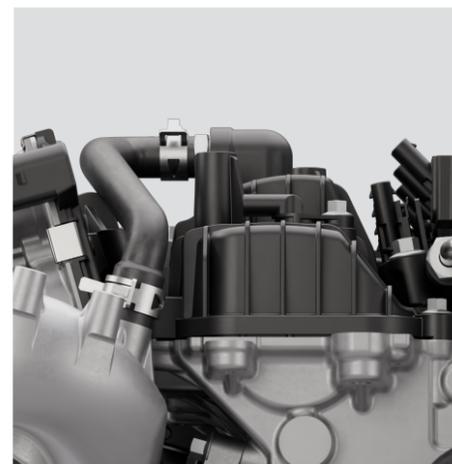
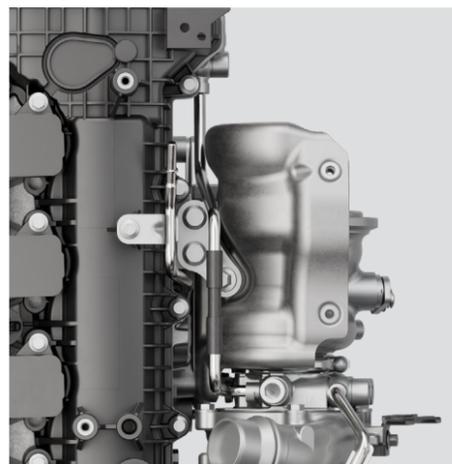
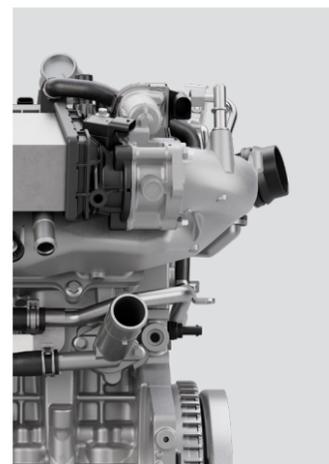
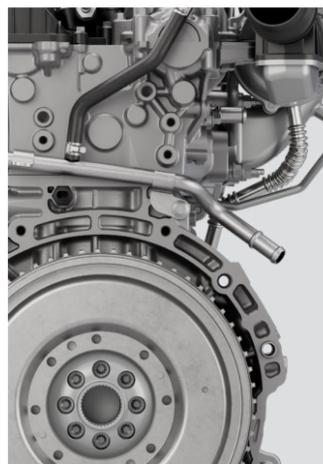
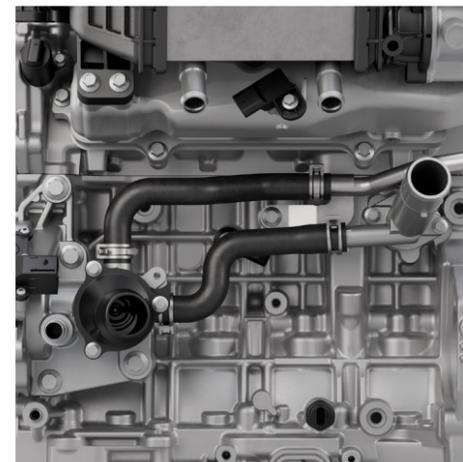
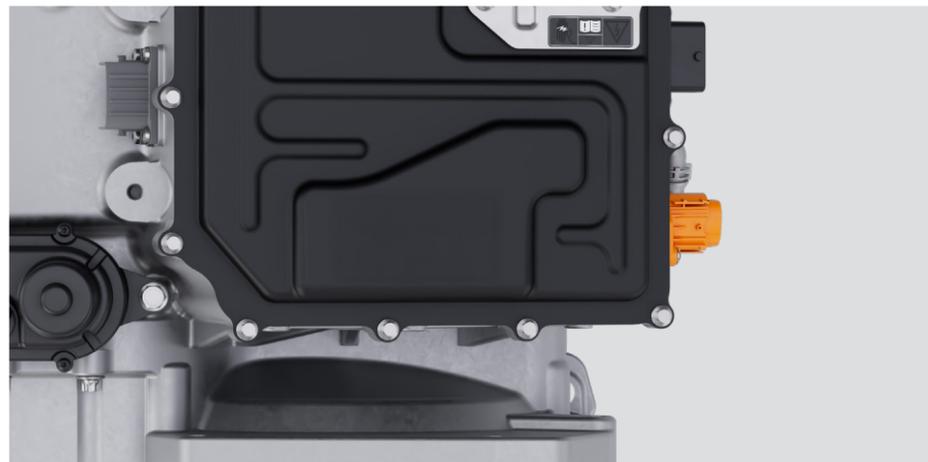
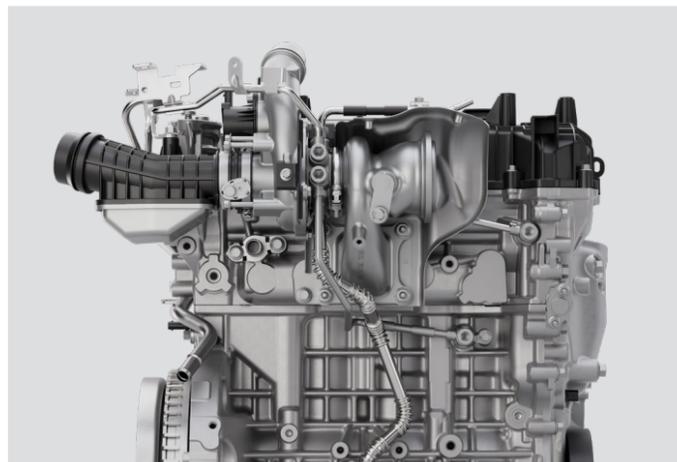
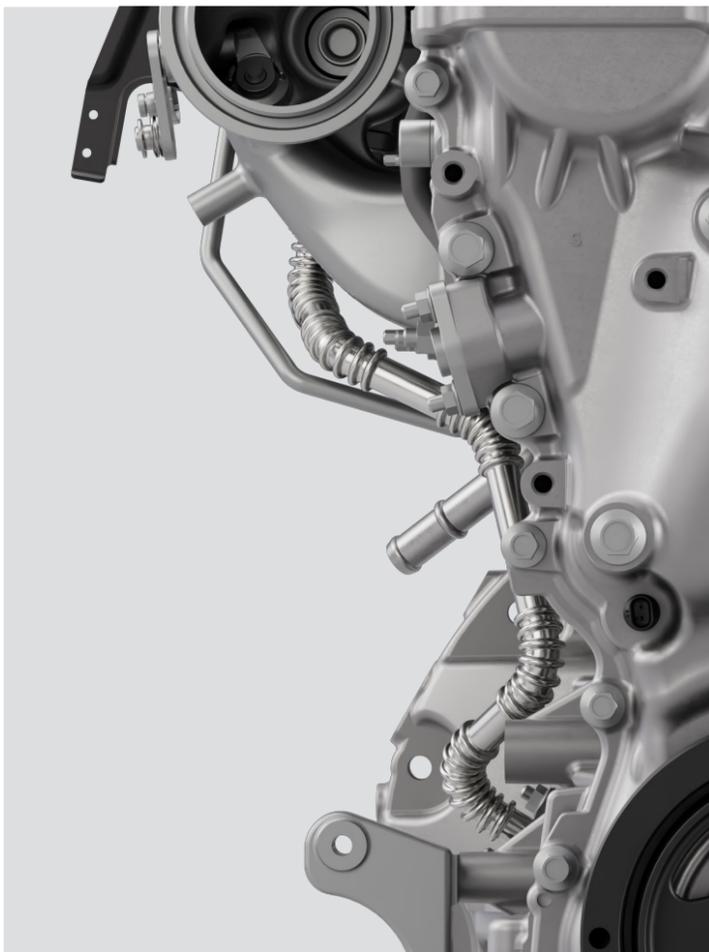
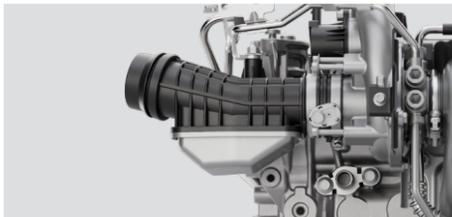
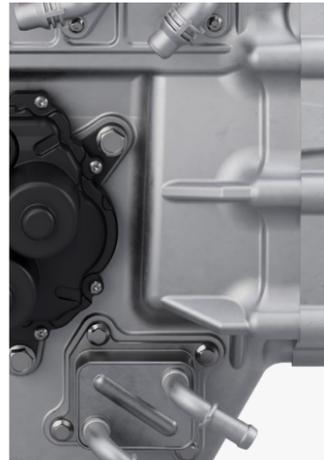
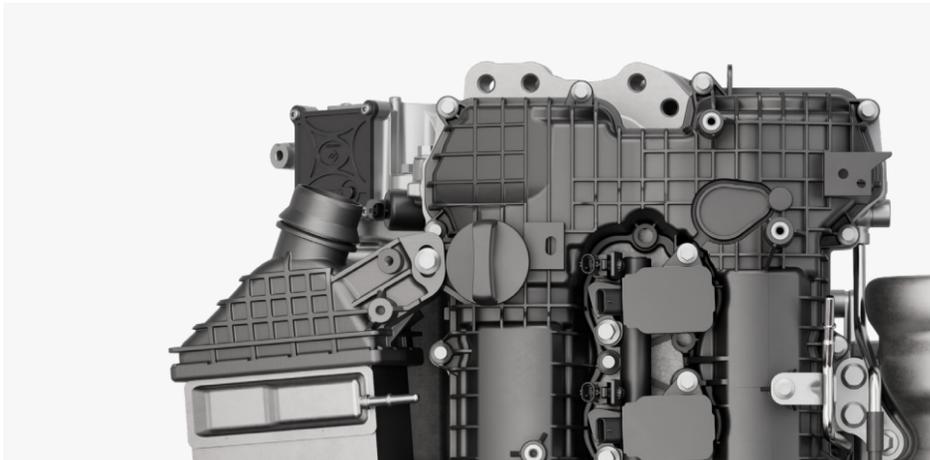
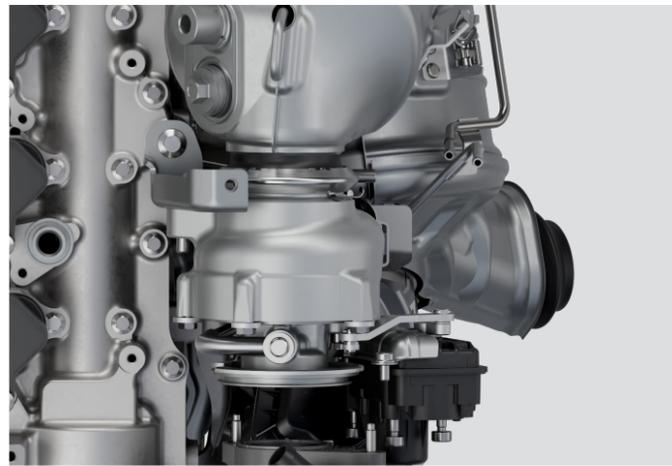
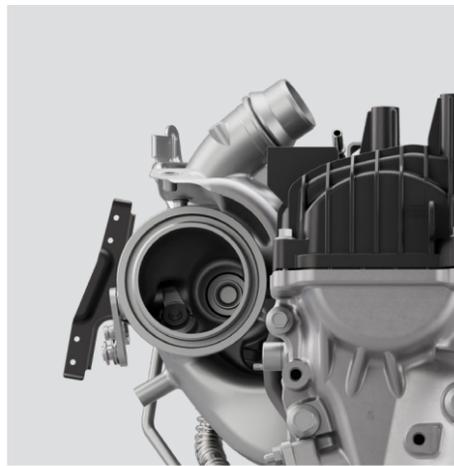
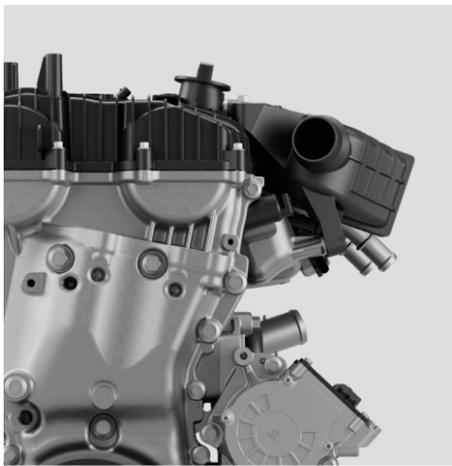
- Pure ICE or compatible with MH48V, Full Hybrid 400V or PHEV hybrids
- Advanced Miller cycle operation
- Variable geometry turbocharger with electronic control
- Outstanding fuel efficiency, LPG compatible
- Designed for Euro 7 compliance

### Technical specifications

Maximum Power:	110 kW @ 4500 rpm
Maximum Torque:	230 Nm
Maximum RPM:	6500
Fuel Type:	Gasoline, LPG
Number of Cylinders:	3
Displacement:	1.2L
Induction:	Variable Turbochager
Compression Ratio:	12:1
Fuel Injection:	GDI

# PRODUCT PORTFOLIO

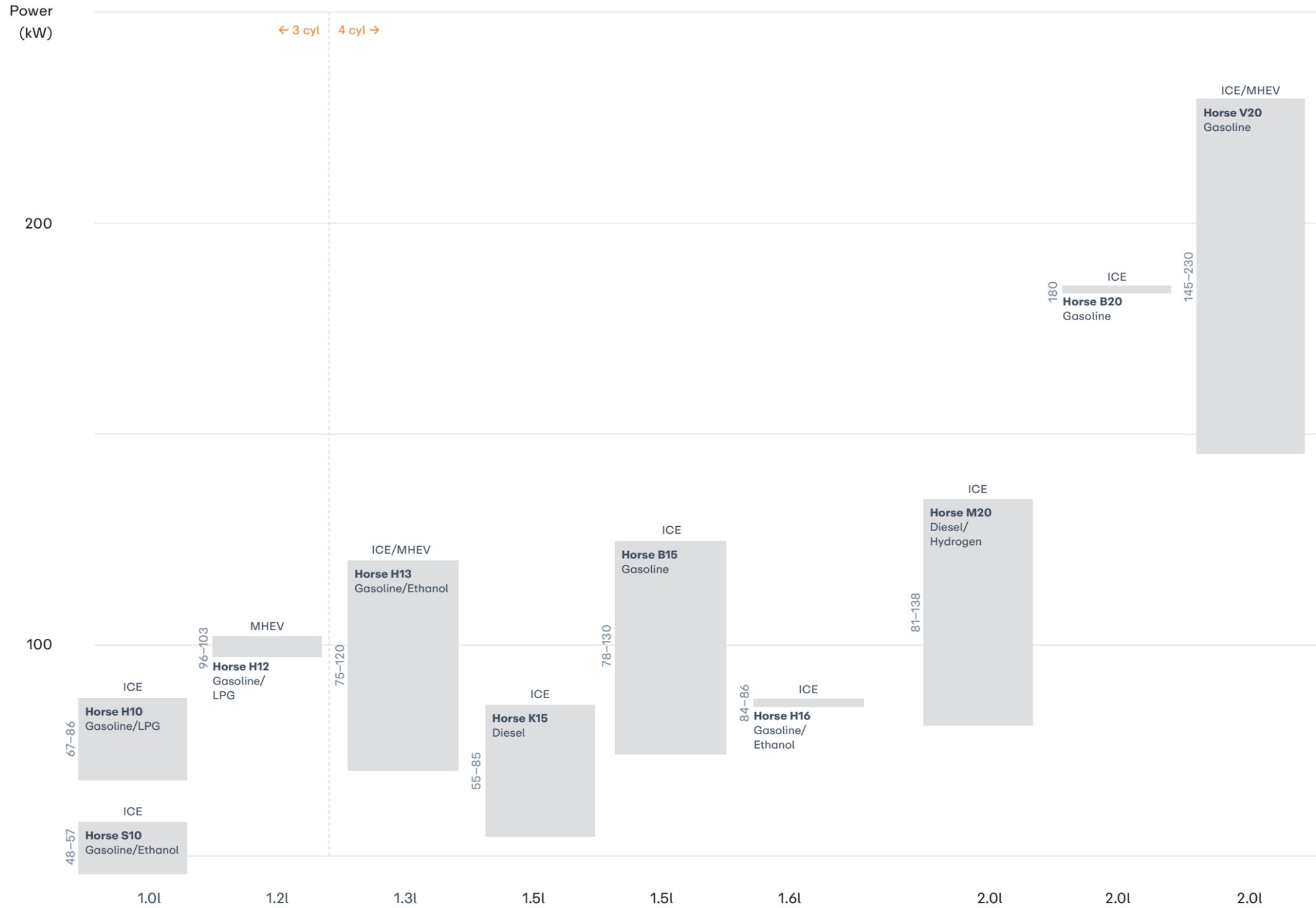
With a broad range of durable, reliable and versatile products, we meet the varied needs of the global market. All of our products can be delivered separately or as part of a One, Fusion or X-Range system configuration.



# System overview

Horse One combustion engines and transmissions

## Spark and compression ignition engines



## Transmissions



# System overview

Horse Fusion hybrid engines and transmissions

290  
Horse DHT290  
(P1+P3)

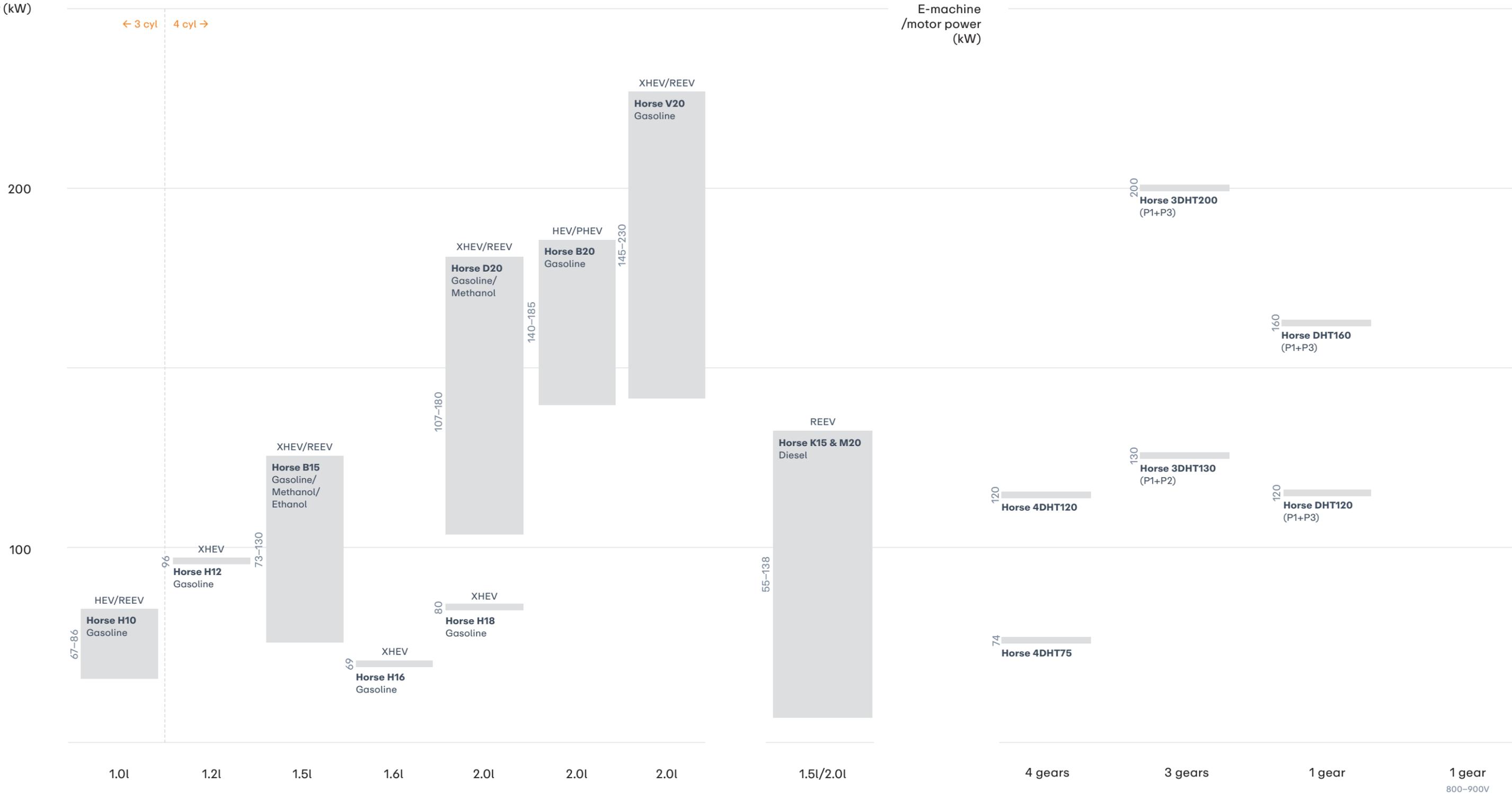
Spark and compression ignition engines

Transmissions

Power (kW)

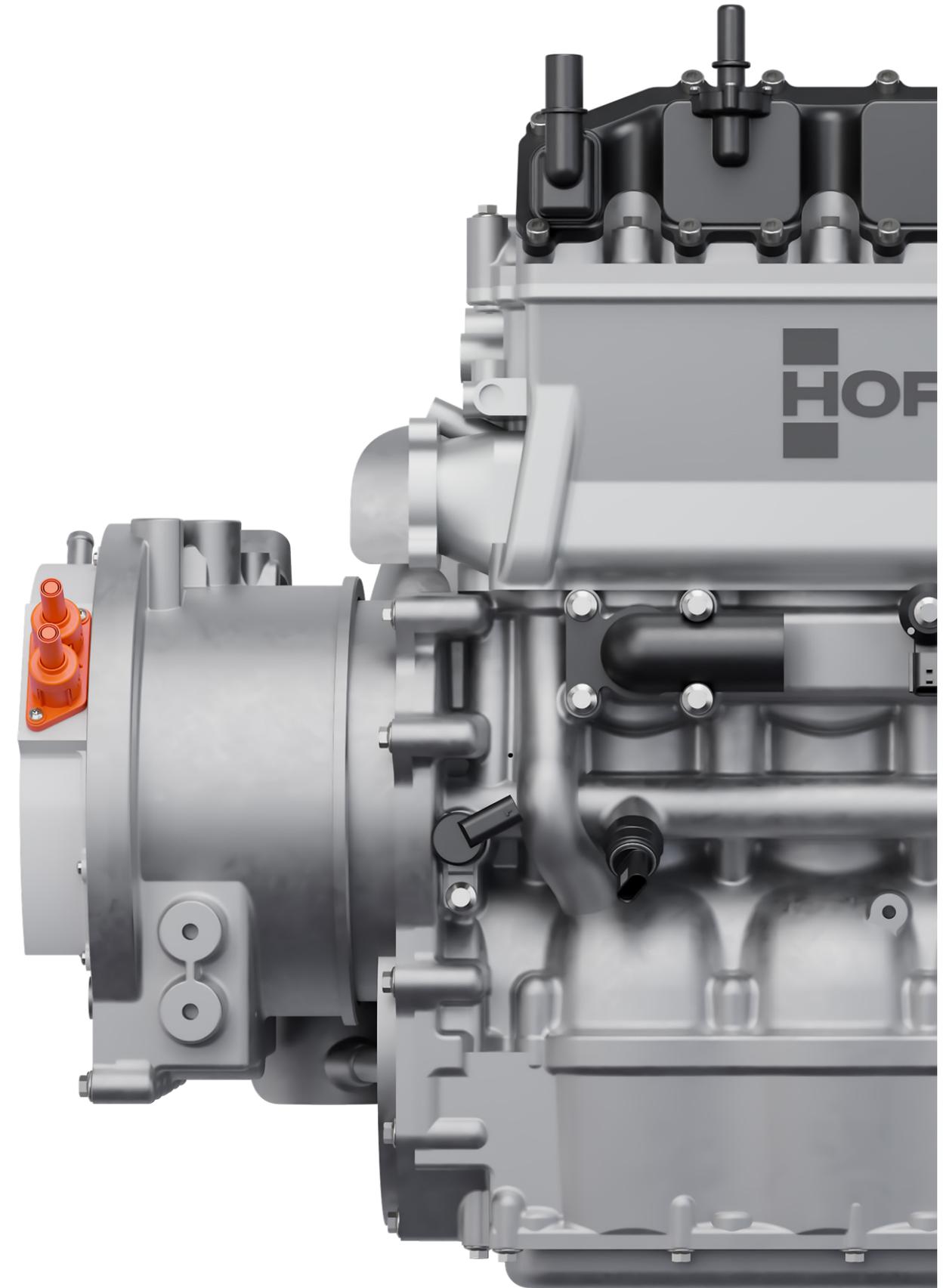
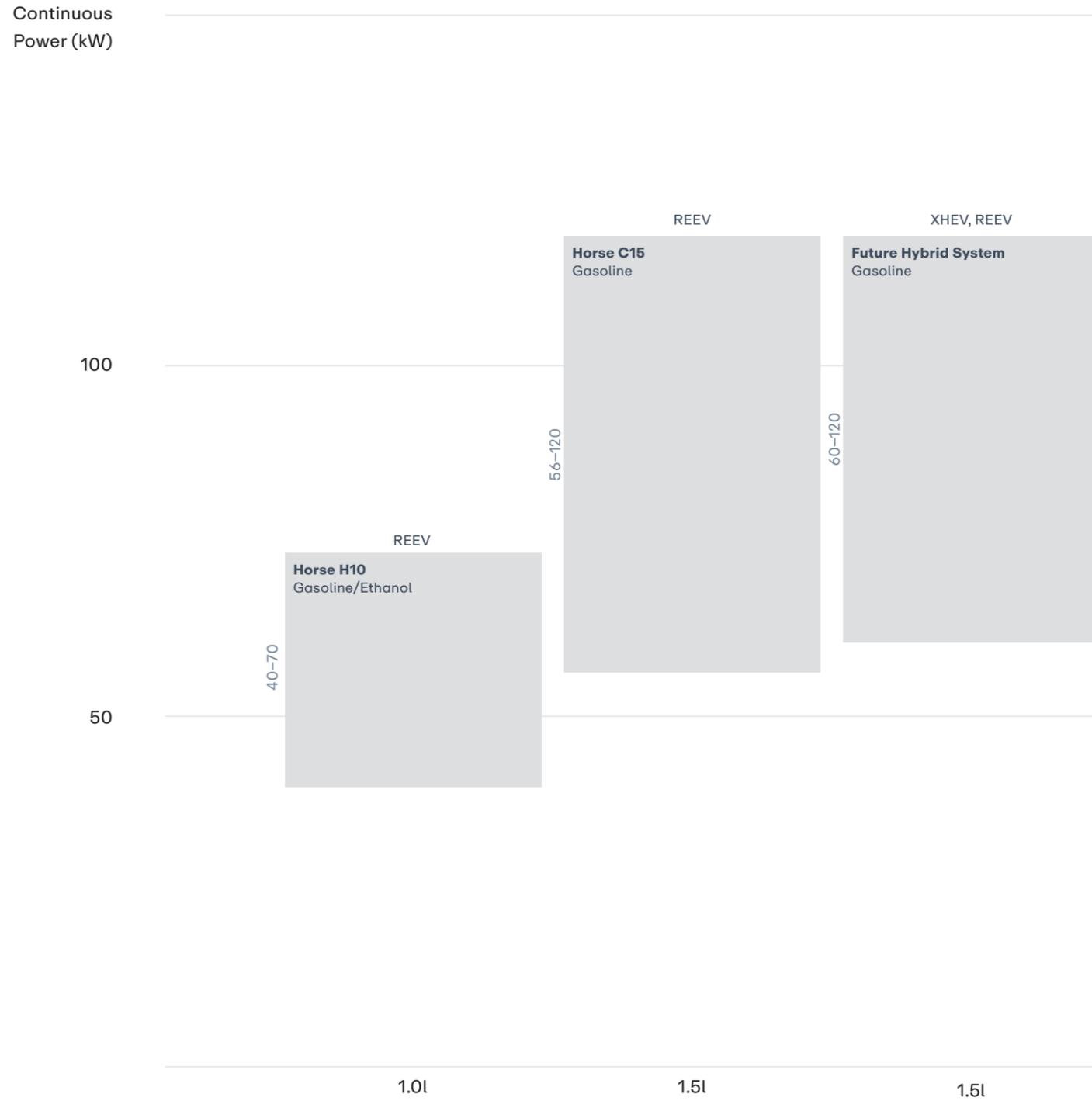
← 3 cyl 4 cyl →

E-machine  
/motor power  
(kW)



## System overview

Horse X-Range powertrains for dedicated EV platforms





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