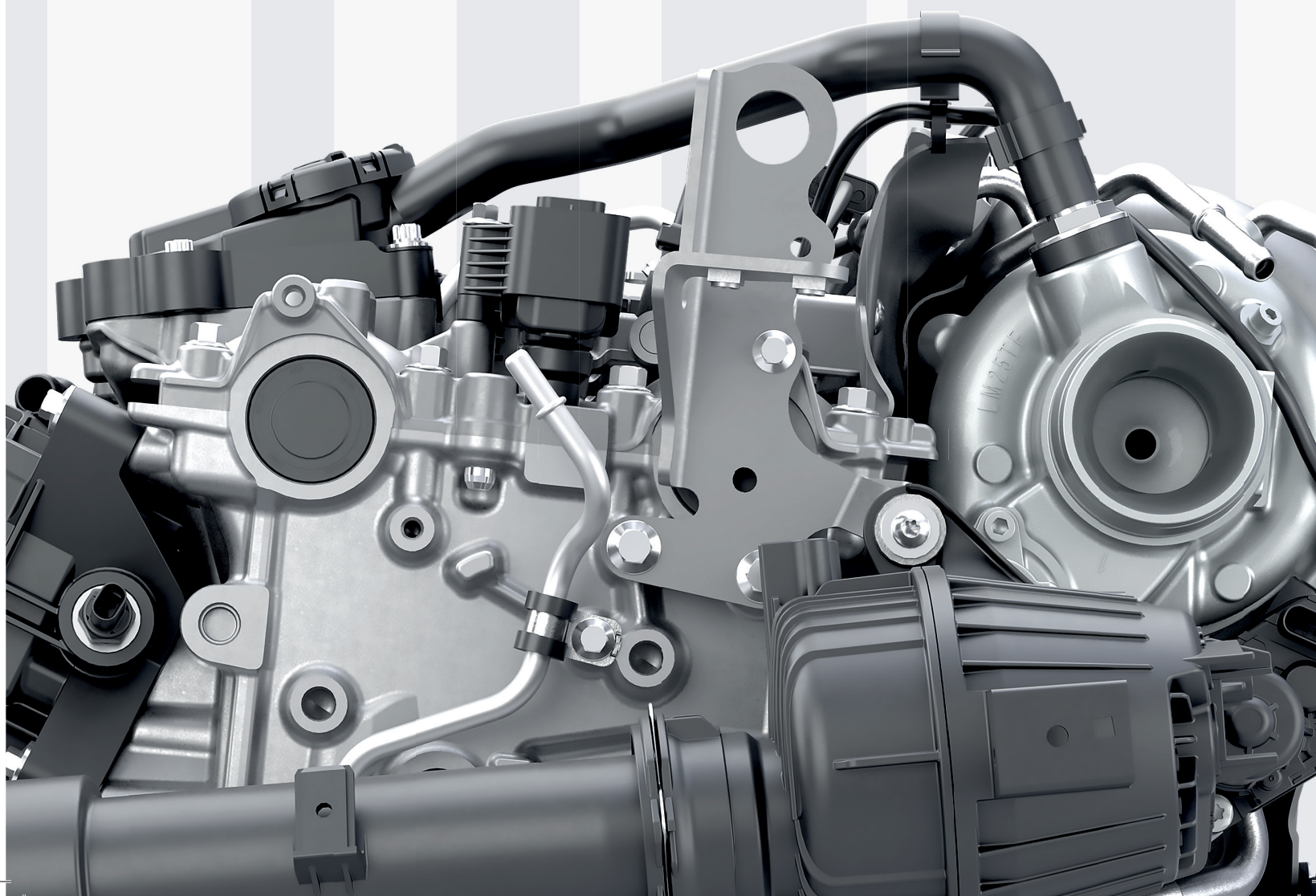


# NEXT-GENERATION POWERTRAIN SOLUTIONS



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	Göteborg
	Skövde
Türkiye	Bursa
United Kingdom	London

# A new global leader in powertrain solutions

Revenue outlook €

Units produced  
per annum

Countries our products  
are present in

Manufacturing Plants

R&D Centers

Employees



15bn

+8m

130

17

5

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.



ONE

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.

FUSION

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.

X-RANGE

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.

# 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 2027

## Lightweight, power for daily duty

### HORSE H10 REX

A small yet powerful engine that acts as a power generator, recharging the battery for enhanced electric range when you need it most.



HORSE H10 REX

Key features

- Delivering 70kW of continuous electric power from the 1.0-litre, 3-cylinder petrol/ethanol combustion engine
- Compatible with electrical architectures up to 800v, enabling fast charging
- Designed for emissions level EU6d or PROCONVE L-8

Technical specifications

Power:	Peak electrical power: 80kW
	Continuos electrical power: 65kW
Fuel Type:	Gasoline, ethanol
Number of Cylinders:	3
Displacement:	1.0L
Induction:	Turbocharged
Compression Ratio:	11.0:1
Fuel Injection:	GDI
REX Consumption:	0.49*l/kWh

\*On ethanol on best operating point

X-RANGE

HORSE X-RANGE  
POWERTRAIN SYSTEMS

COMING 2027

# Balanced performance. Anytime, anywhere.

## HORSE K15 REX

A versatile, multi-fuel powertrain that gives fleets unmatched flexibility and reliable performance in any environment.



## HORSE K15 REX

### Key features

- Delivering 65kW of continuous electric power, and a max power of 80kW, from the 1.5-litre, 4-cylinder diesel internal combustion engine
- Compatible with electrical architectures up to 800v, enabling fast charging
- Designed for emissions level EU6d

### Technical specifications

Power:	Peak electrical power: 80kW Continuous electrical power: 65kW
Fuel Type:	Diesel, B10, HVO
Number of Cylinders:	4
Displacement:	1.5L
Induction:	Turbocharged
Compression Ratio:	15.1:1
Fuel Injection:	Common Rail Direct Injection
REX Consumption:	0.27 <sup>*</sup> l/kWh

<sup>\*</sup>On EN590 on best operating point

# X-RANGE

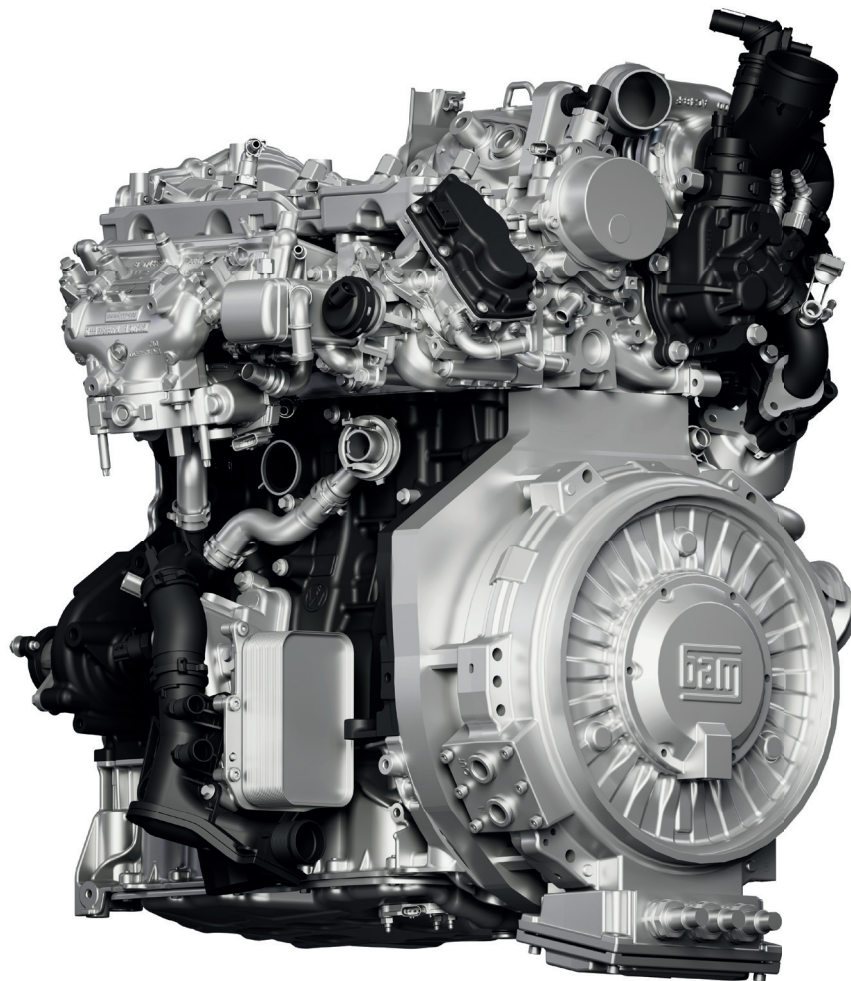
HORSE X-RANGE  
POWERTRAIN SYSTEMS

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-litre, 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*l/kWh

\*On EN590 on best operating point



COMING SOON

# An engine with near zero tailpipe emissions

## HORSE M20 HYDROGEN

Hydrogen combustion powertrains create an opportunity for OEMs to adapt existing vehicle architectures to be powered by low-emission alternative fuels. Our M20 Hydrogen engine is an affordable, fast-filling mobility option with virtually zero tailpipe emissions.





HORSE M20 HYDROGEN

Key features

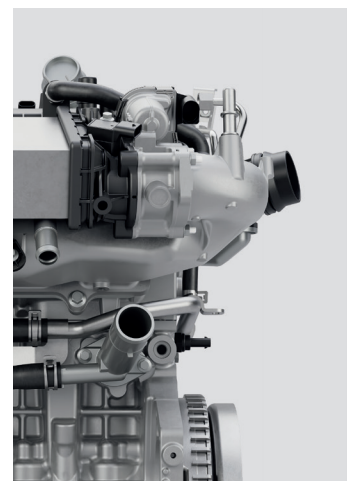
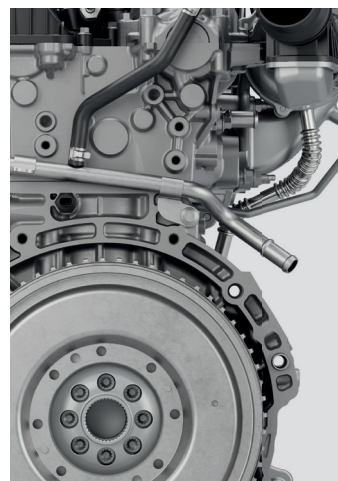
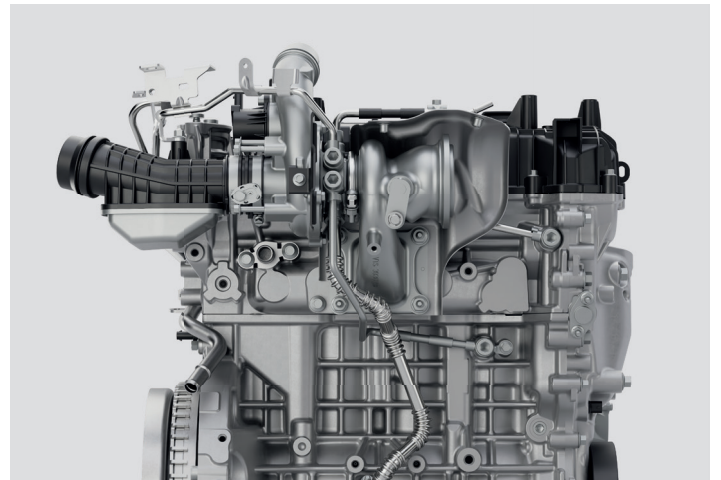
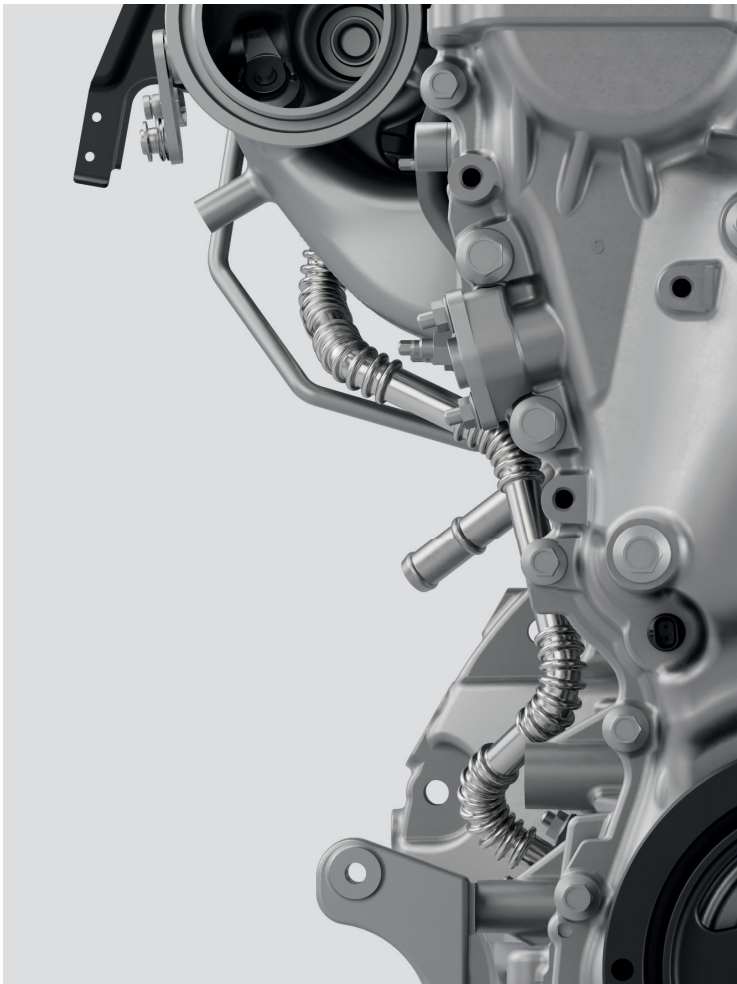
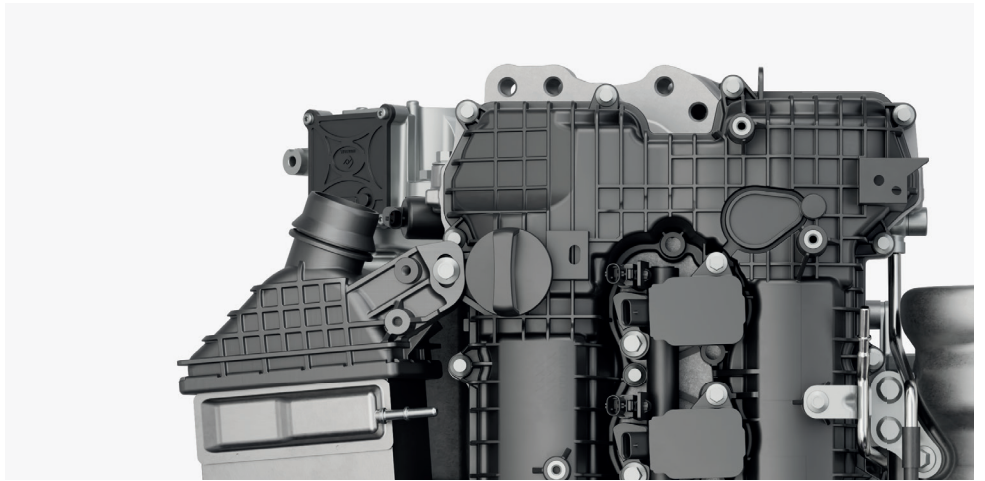
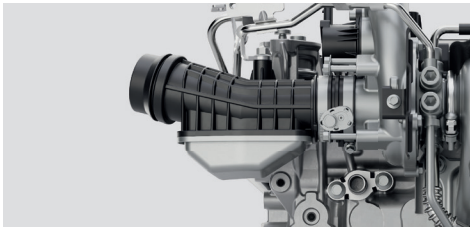
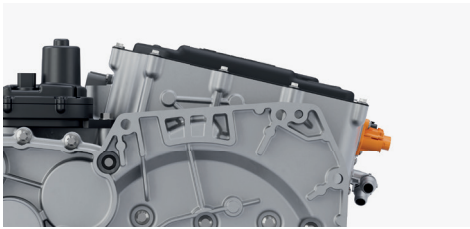
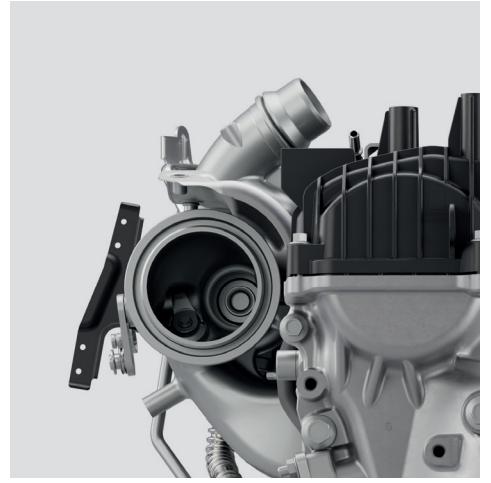
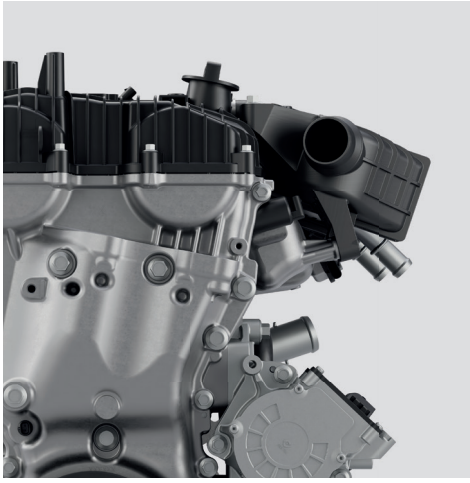
- Adapted from our existing 2.0-liter four-cylinder diesel engine
- New powertrain can be applied to passenger cars or light commercial vehicles
- Engine emits less than 1g/km CO<sub>2</sub>, future-proofed design for Euro 7 compliance for NO<sub>x</sub> emissions
- Hydrogen combustion powertrains minimize precious metal usage, delivering significantly lower lifecycle emissions than fuel cell or battery electric vehicles

Technical specifications

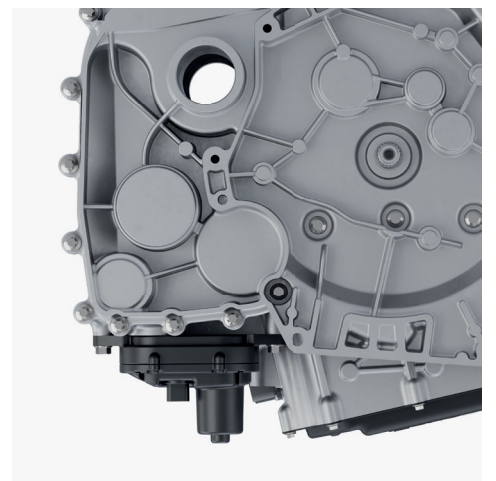
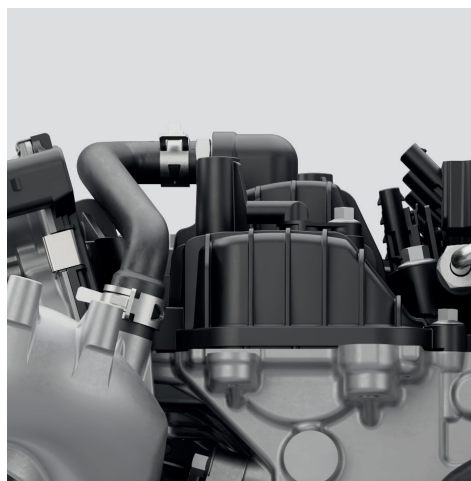
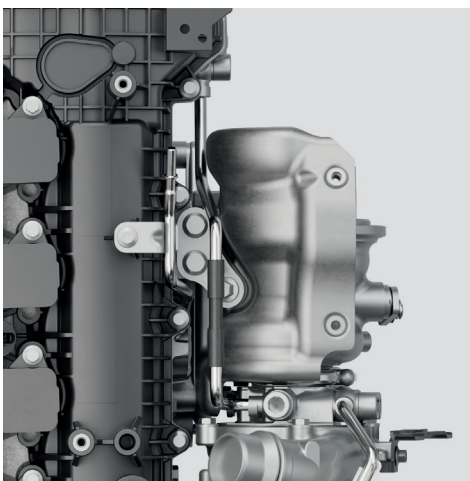
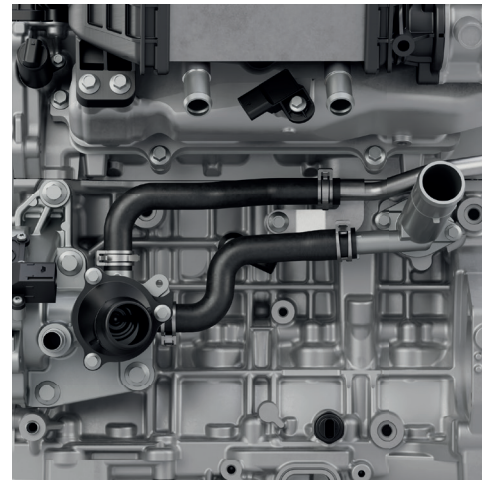
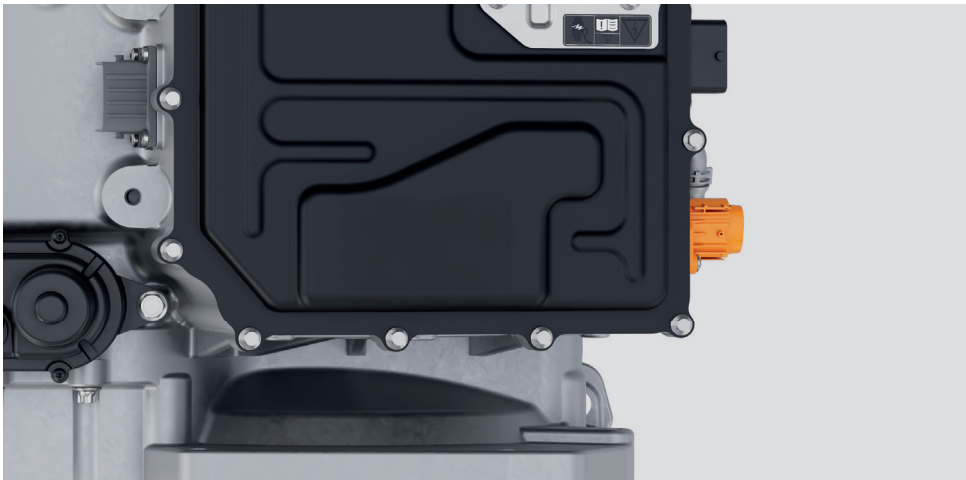
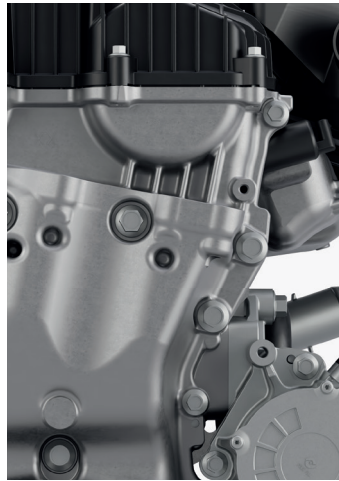
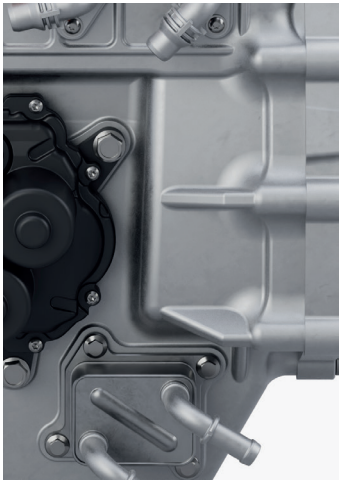
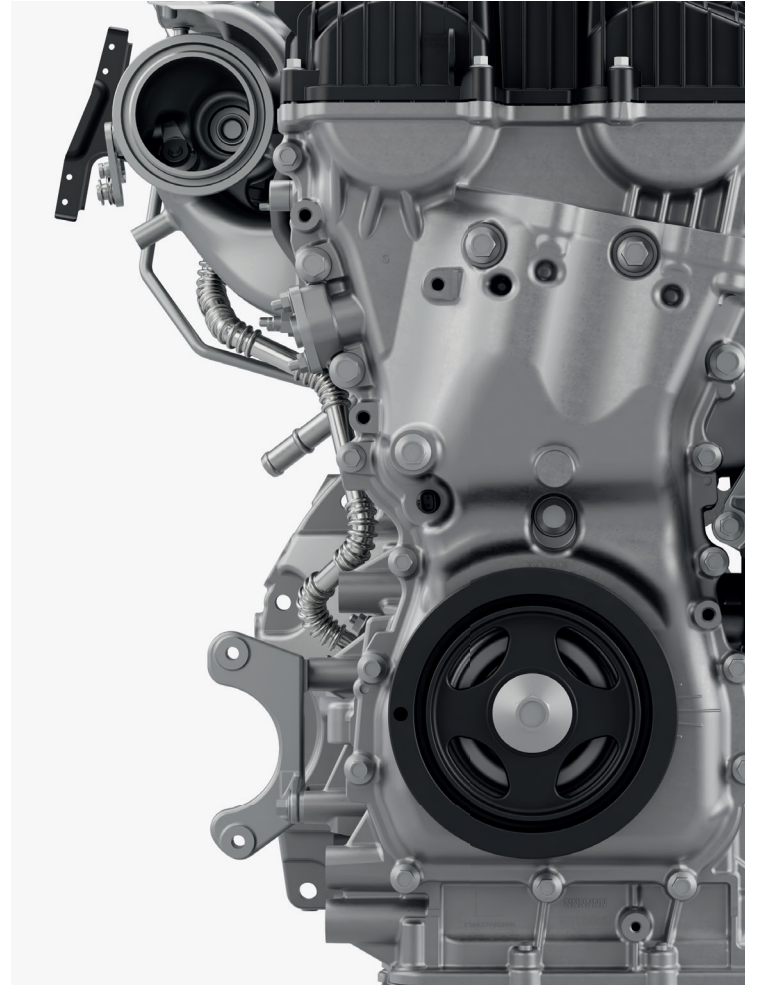
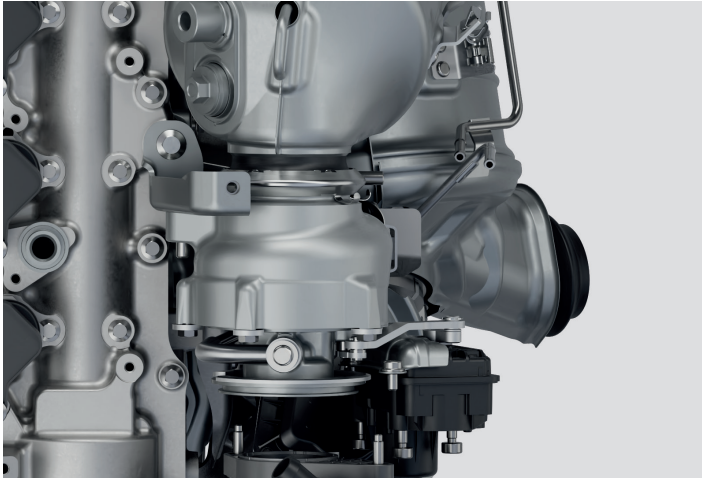
Maximum Power:	105kW @ 3500 rpm
Maximum Torque:	340Nm @ 2500 rpm
Maximum RPM:	4000 rpm
Fuel Type:	Hydrogen
Number of Cylinders:	4
Displacement:	2.0L
Induction:	Turbocharged
Compression Ratio:	10:1
Fuel Injection:	Low Pressure Direct injection

# 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.



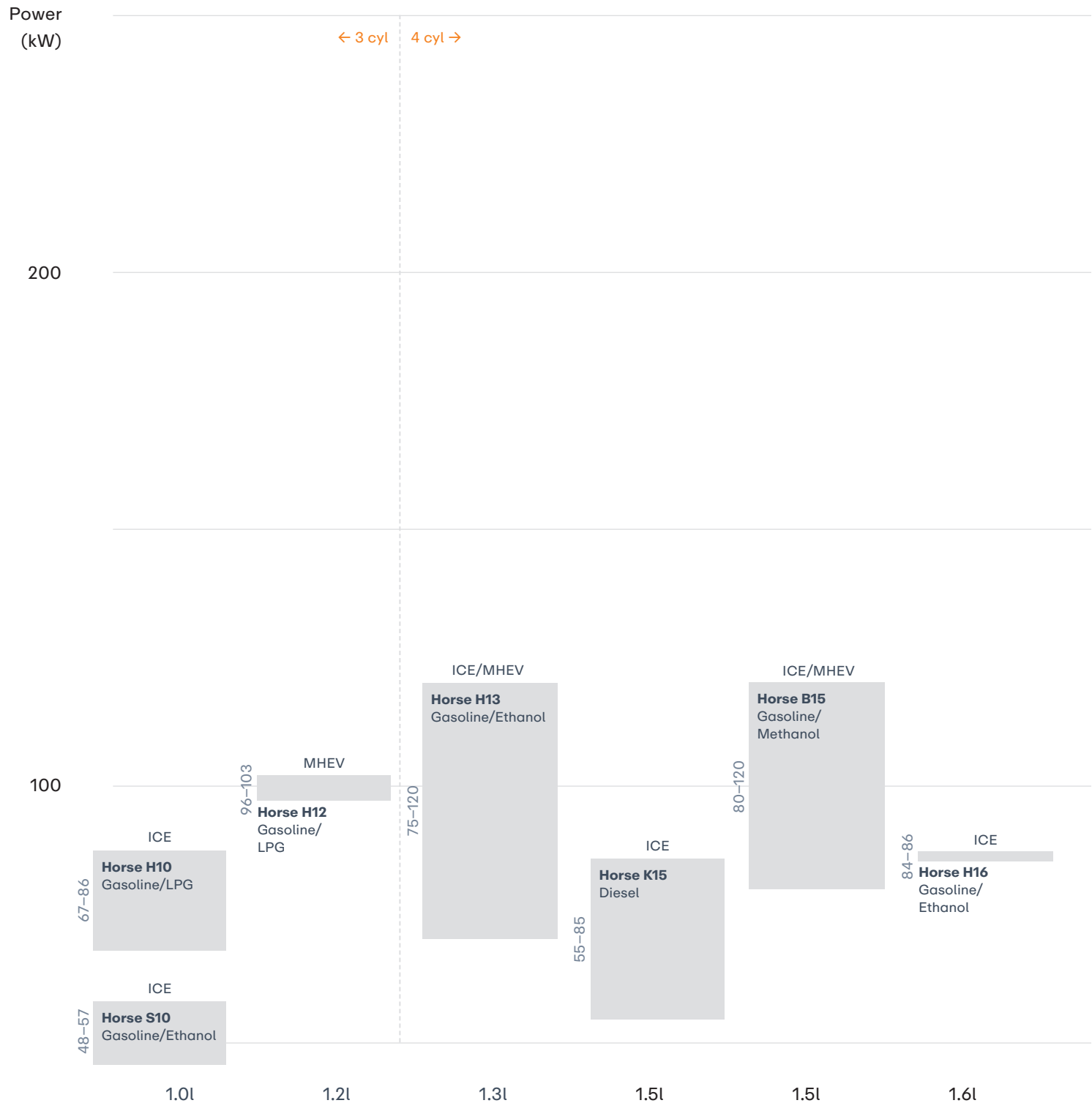




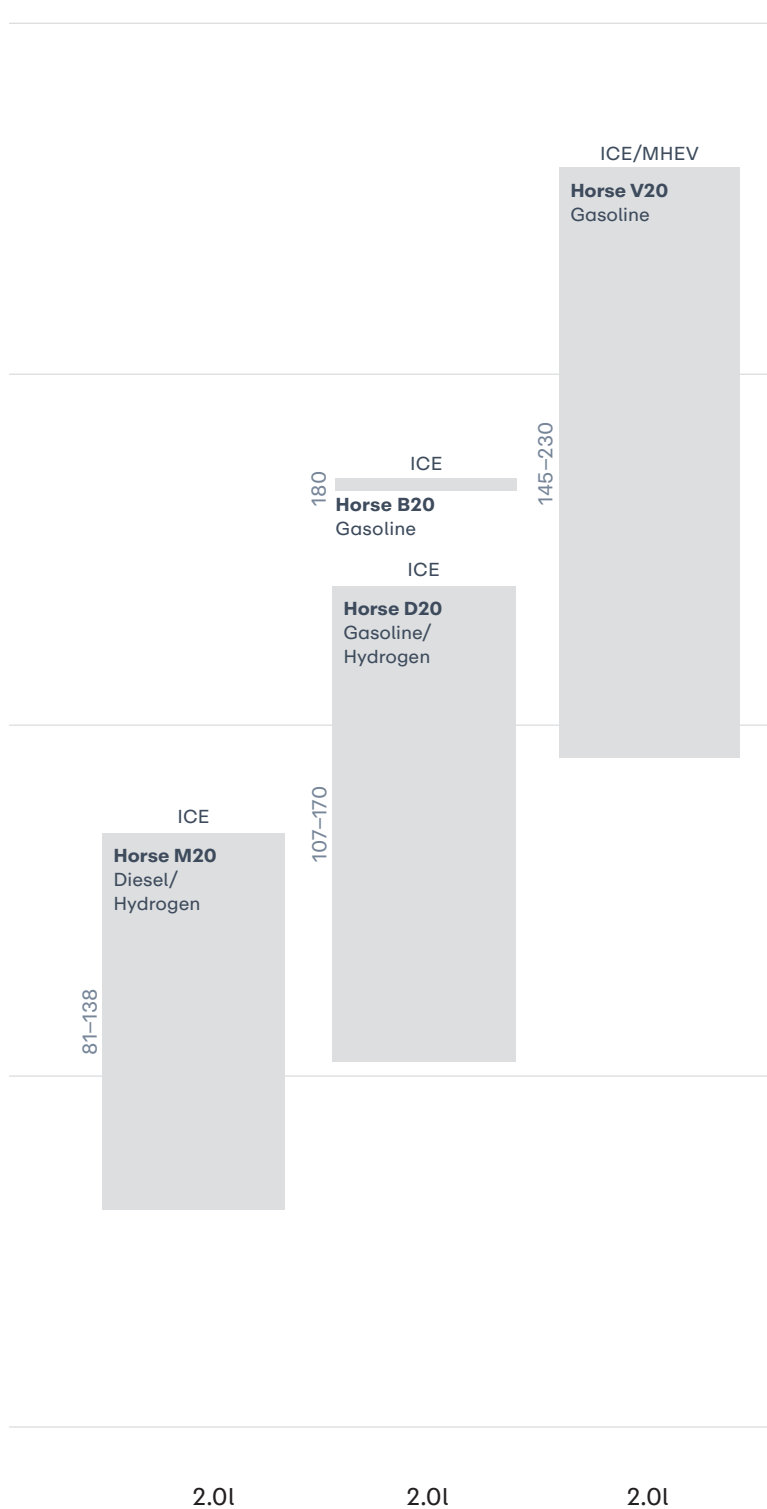
## System overview

Horse One combustion engines and transmissions

Spark and compression ignition engines



Transmissions



Torque  
(Nm)

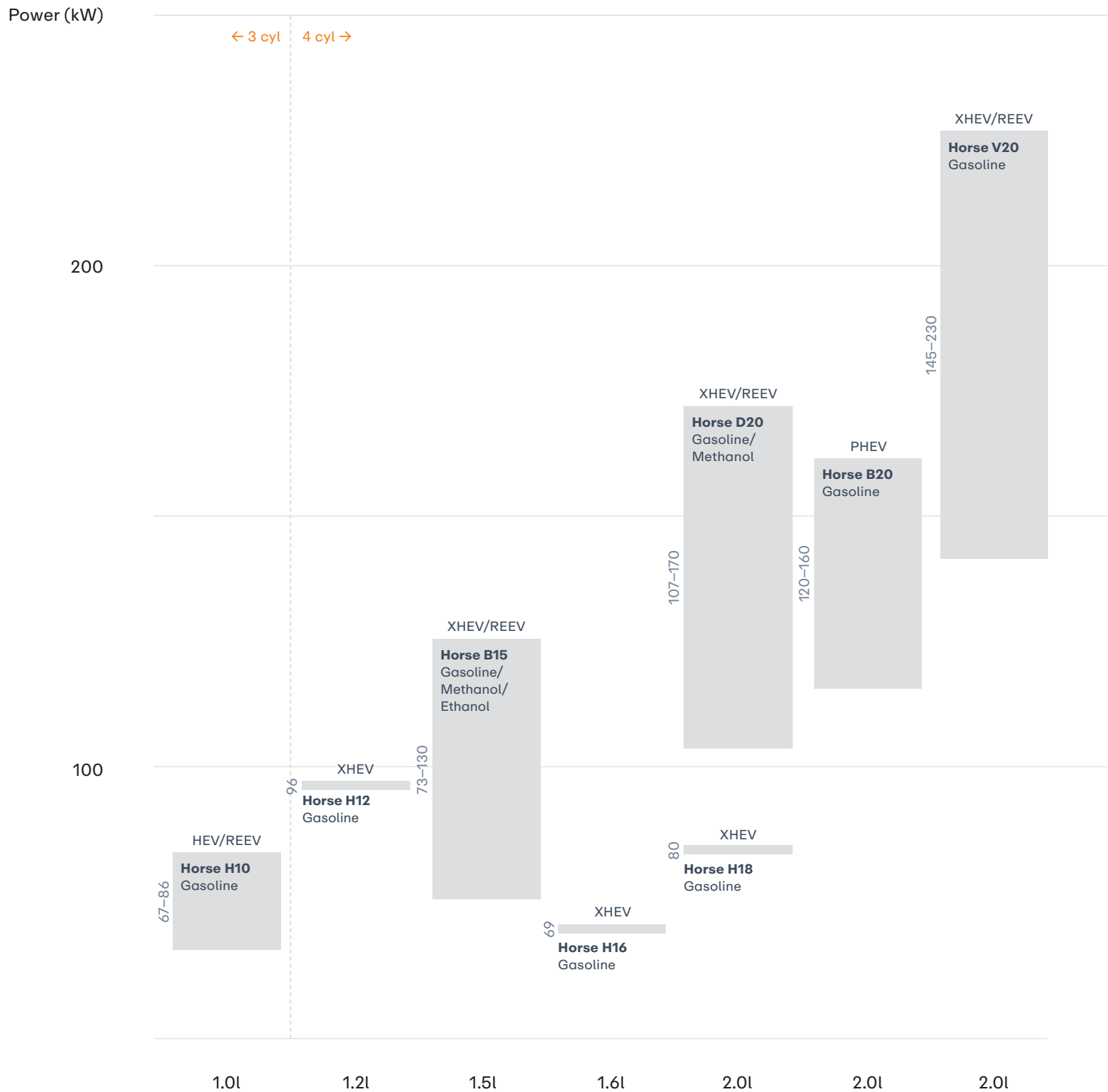




## System overview

Horse Fusion hybrid engines and transmissions

Spark and compression ignition engines



Transmissions

E-machine  
/motor power  
(kW)

260  
**Horse DHT260**  
(P1+P3)

160  
**Horse 3DHT160**  
(P1+P3)

160  
**Horse DHT160**  
(P1+P3)

REEV

**Horse K15 & M20**  
Diesel

120  
**Horse 4DHT120**

120  
**Horse DHT120**  
(P1+P3)

100  
**Horse 3DHT100**  
(P1+P2)

74  
**Horse 4DHT75**

55–138

1.5l/2.0l

4 gears

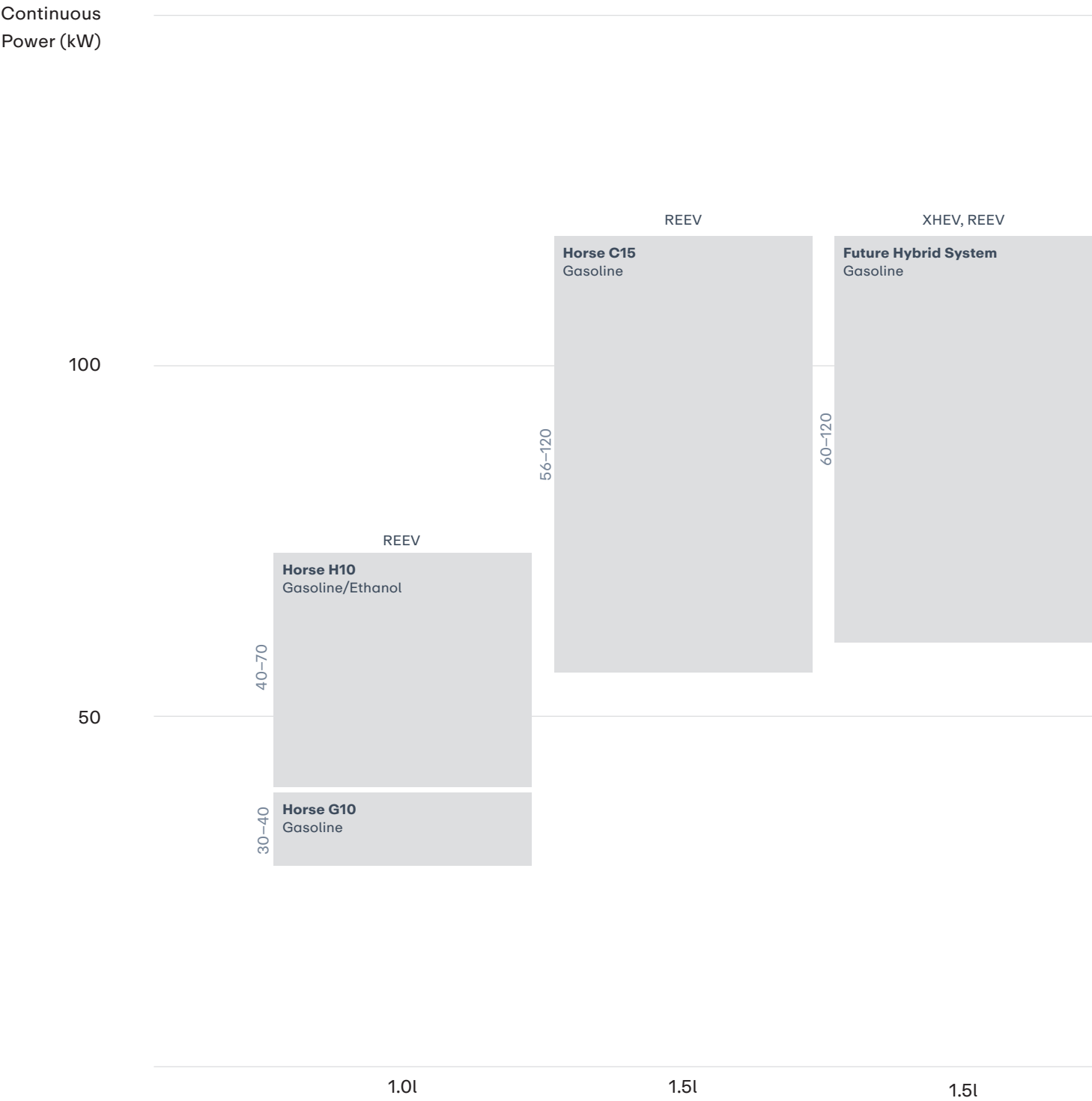
3 gears

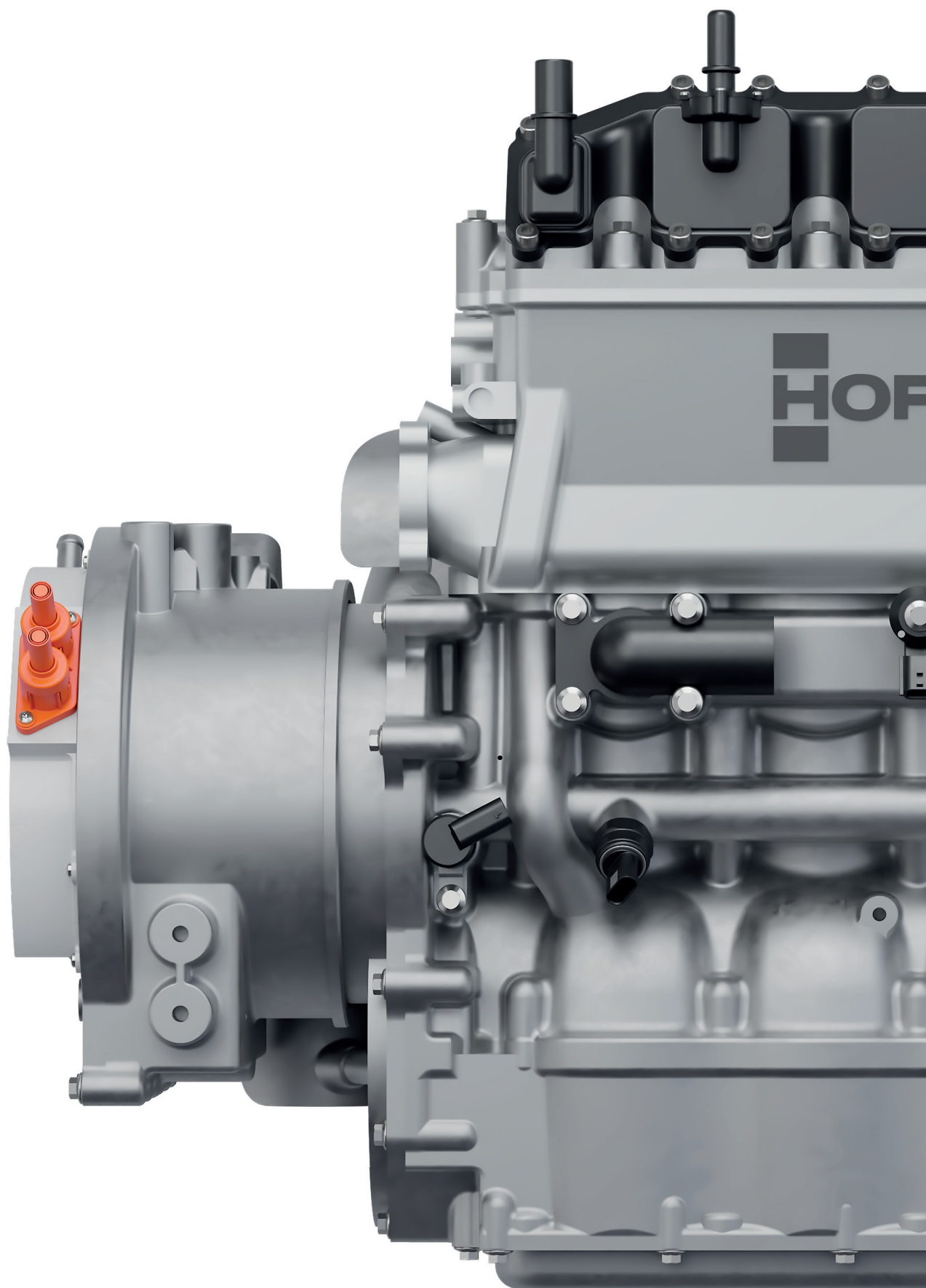
3 gears

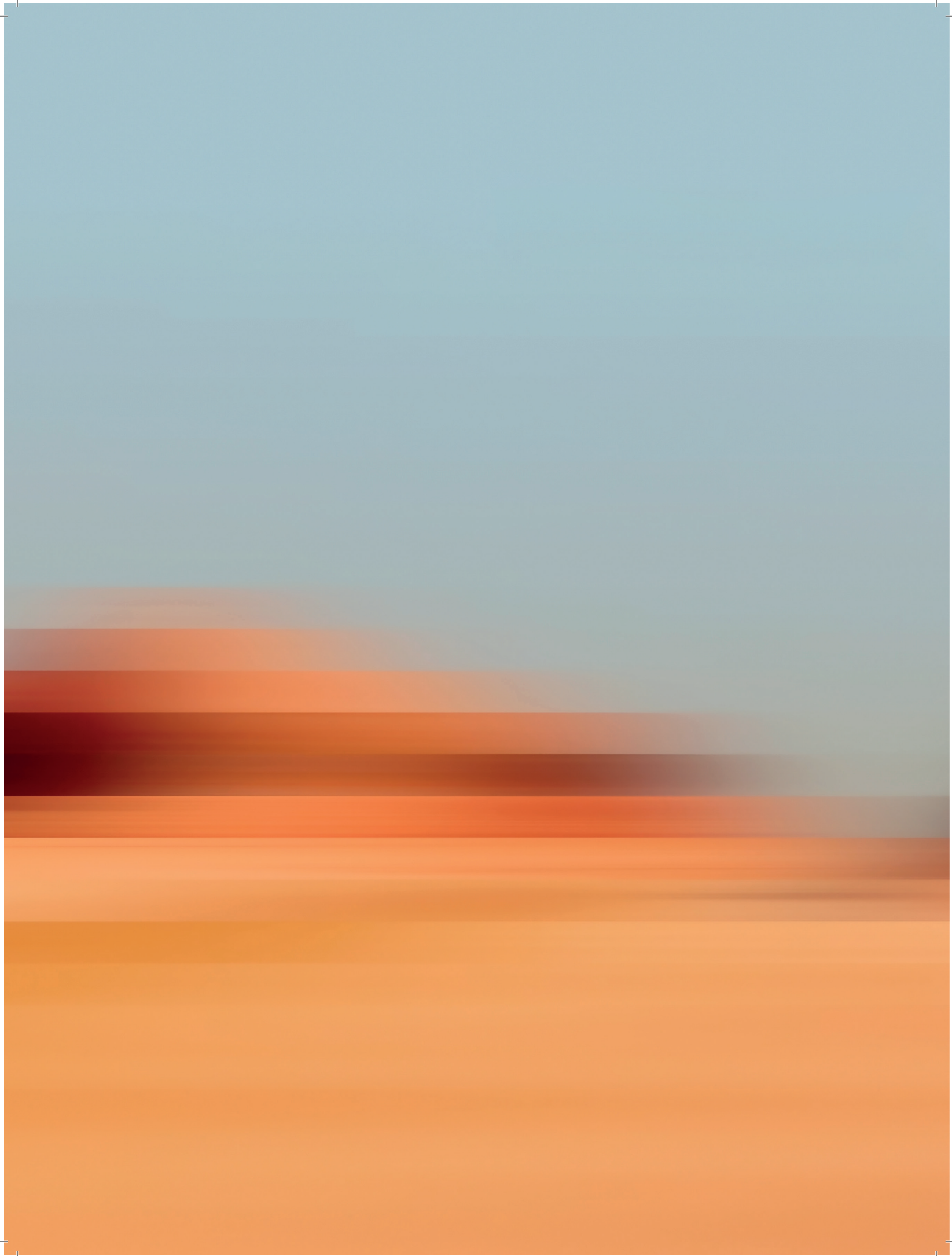
1 gear

1 gear  
800–900V

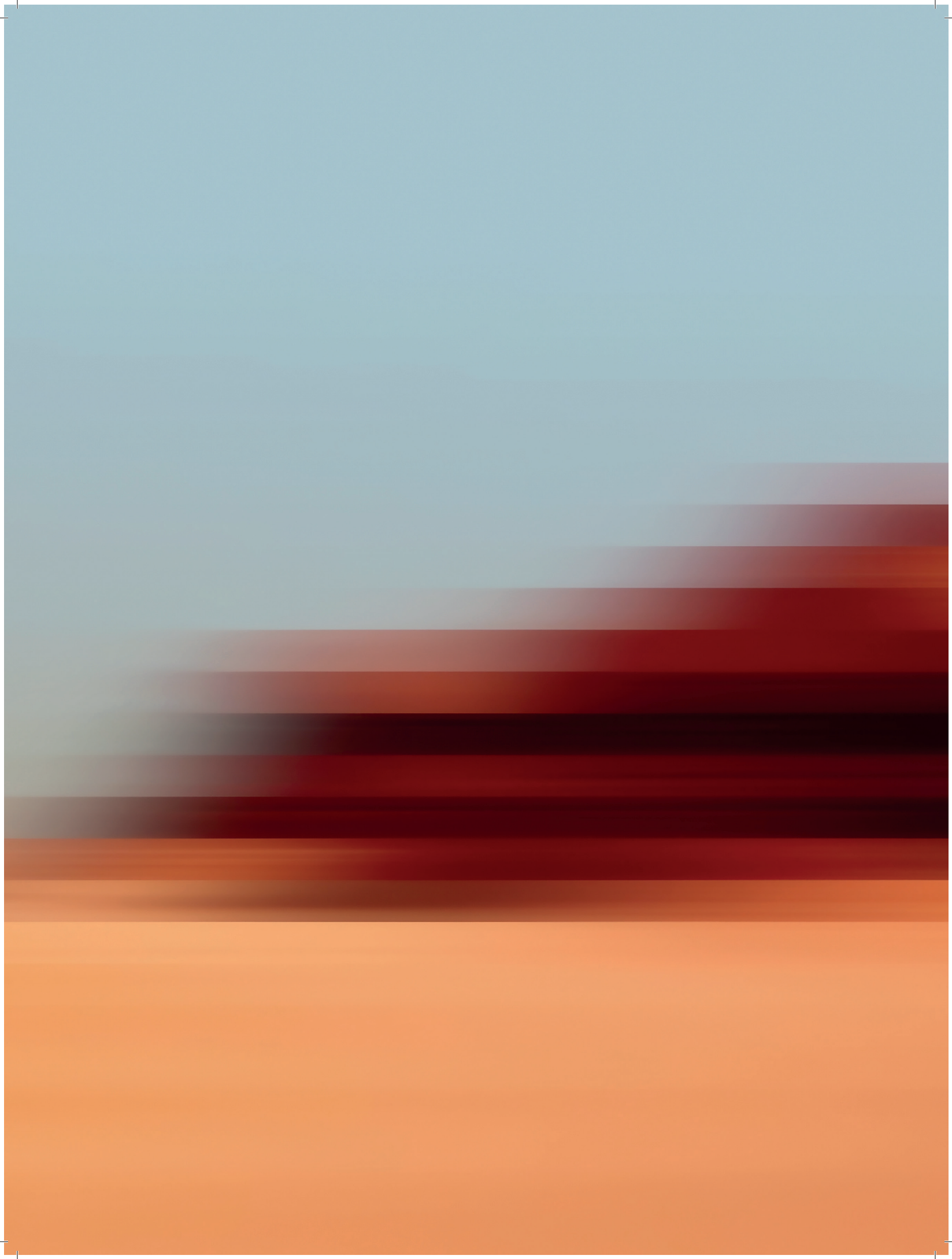
System overview  
Horse X-Range powertrains for dedicated EV platforms













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