

# VELAR

IN-LINE  
SIX-CYLINDER  
INGENIUM  
PETROL  
& DIESEL  
ENGINES

The latest generation of petrol and diesel engines - developed in-house by Jaguar Land Rover - are available with 48-Volt Mild-Hybrid Electric Vehicle (MHEV) technology for superior efficiency and immediate power delivery.

All emissions, fuel economy and EV-only range figures are EU-WLTP (TEL) Combined and apply to MHEV vehicles. Figures may vary globally and by powertrain



ABOVE & BEYOND

## PETROL

12.9kg lighter than the V6 engine it replaces, the I6 P400 petrol engine produces power and torque as efficiently as possible whilst delivering an enhanced response.

### STATE-OF-THE-ART TECHNOLOGIES INCLUDE:

- An electric supercharger that uses power from the 48-volt system to drive the compressor, providing instant boost and response from rest
- A twin-scroll turbocharger to better manage air intake and exhaust, for more immediate acceleration
- Continuous Variable Valve Lift (CVVL) and Variable Cam Timing to allow a better transient response



### P400 AWD AUTOMATIC AVAILABLE AS 48-VOLT MHEV

- >> **400PS / 550Nm**
- >> 0-60mph in **5.2 seconds**
- >> 0-100km/h in **5.5 seconds**
- >> CO<sub>2</sub> from **221g/km**
- >> Up to **28.8MPG (9.8L/100km)**

### D300 AWD AUTOMATIC AVAILABLE AS 48-VOLT MHEV

- >> **300PS / 650Nm**
- >> 0-60mph in **6.1 seconds**
- >> 0-100km/h in **6.5 seconds**
- >> CO<sub>2</sub> from **194g/km**
- >> Up to **38.2MPG (7.4L/100km)**



## DIESEL

7kg lighter than the V6 engine it replaced, the I6 diesel (D300) offers excellent fuel economy and outstanding torque at low engine speeds. EU6d and RDE2 compliant, the engine provides a 52% reduction in real world NOx emissions, making it one of the world's leading clean diesel engines.

### STATE-OF-THE-ART TECHNOLOGIES INCLUDE:

- A high-pressure common-rail piezo fuel injection system which operates at up to 2,500 bar
- A system capable of five injections per cycle, delivering as little as 0.8 milligrams of fuel in just 120 microseconds
- A twin-turbo, sequential boost system, this makes D300 our most sophisticated engine yet
- After-treatment system uses two selective catalytic reduction catalysts for lower NOx emissions

## WHAT IS AN MHEV?

Mild-Hybrid vehicles don't require charging but do produce electric power. The Range Rover Velar MHEV system uses a Belt-integrated Starter Generator (BiSG) in the engine bay to harvest energy usually lost under deceleration, which is then stored in a 48-Volt lithium-ion battery located beneath the rear loadspace. It is able to redeploy the stored energy to assist the engine when accelerating away.

