A construction site at night. In the foreground, a white generator is positioned on the left, with a tall mast extending upwards to a bright lighting rig. The ground is marked with several orange traffic cones and a pile of debris. In the background, a white trailer is visible. The scene is illuminated by the bright lights of the rig and a smaller light source in the distance.

Quick
reference guide
to **EU Stage V**
Electric Power
platforms **0.5-18L**

 **Perkins®**

THE HEART OF EVERY GREAT MACHINE

Introduction



Learn more at
www.perkins.com/stagev

This guide provides an outline of the Perkins EU Stage V Electric Power engine range for mobile generators market.

It also provides generator set manufacturers with information to enable them to select the right engine models and technology.

The next stage of EU emission standards comes into force in 2019 and 2020 for non-road diesel engines across the power spectrum.

Machines for construction, agriculture, materials handling, industrial use and generators will all be in scope of these new standards.

The standards will continue the path towards reduction of particulate and NOx emissions.

The main highlight of Stage V is that for the first time there will be a limit on the number of particulates. In practice, this will drive the adoption of diesel particulate filters (DPFs) for engines in most of the power ranges.

Mobile diesel generators also in scope

As well as traditional mobile equipment such as tractors, wheeled loaders and excavators, Stage V standards will apply to mobile generators.

These obviously include generators which are on wheeled trailers, but also those which are designed to be moved to different work locations such as those commonly used by equipment rental companies.

Diesel generators that are permanently installed in one location and not intended to be moved are not in scope of Stage V, though may be in scope of other regulations.

A big change for generator sets

Stage V will see a bigger change for the generator set market as manufacturers upgrade from Stage IIIA to Stage V directly.

This means a big change to the engine technologies as the market upgrades to Stage V emissions.

Industrial applications have already had experience through adoption of Stage IIIB and Stage IV hence are more familiar.

Why choose Perkins?

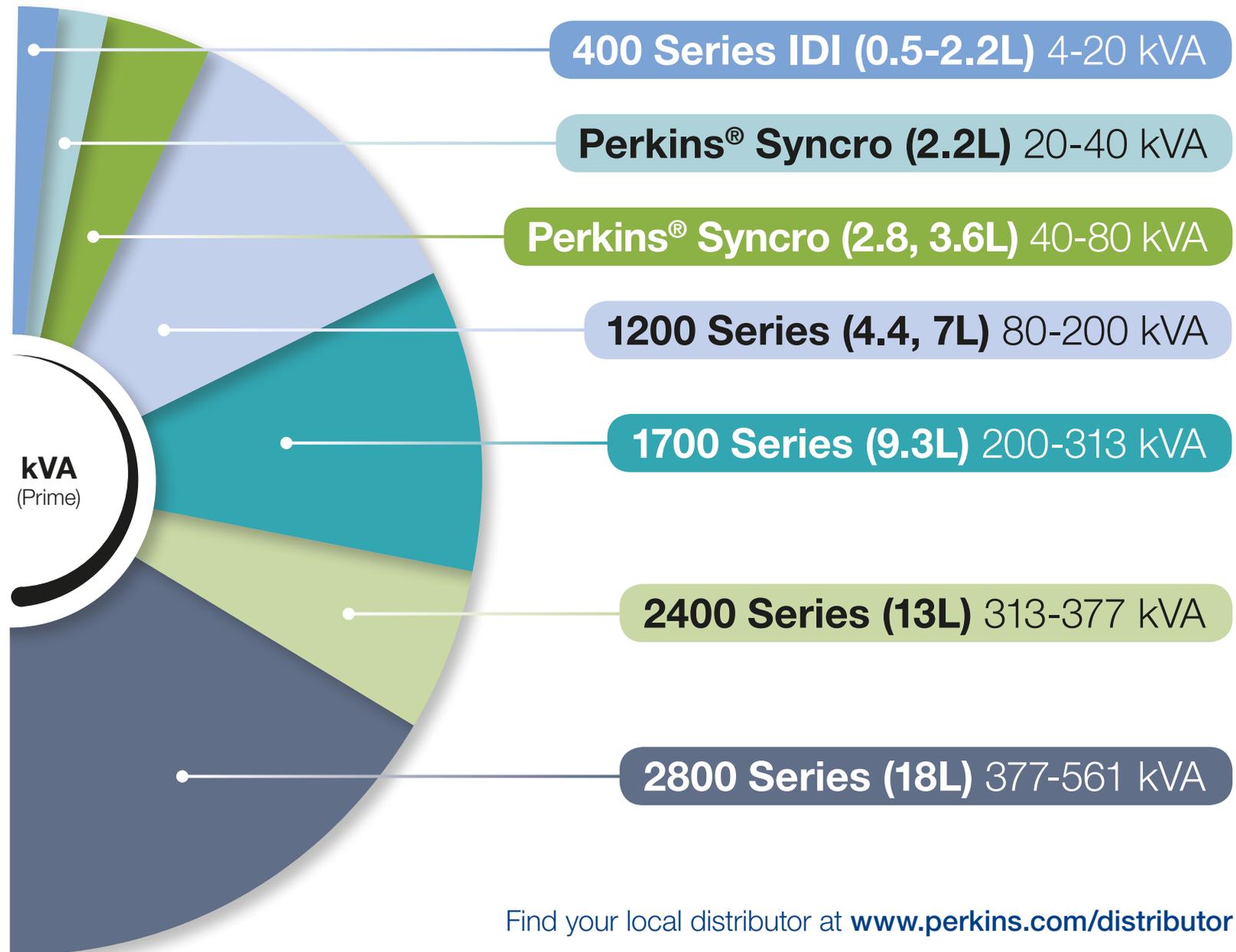
- Complete Stage V engine range from 5-560 kVA prime power
- Low maintenance, high reliability and durability
- Extensive experience in various markets with the use of aftertreatment technologies and millions of hours in the field
- Simple plug and play solution
- Flexibility between on-engine and off-engine aftertreatment (varies with engine model)
- Fit for life, service-free aftertreatment solution on selected models
- Common core engine designed to fit multiple markets

 Efficient,  simple,  reliable



A full range of Stage V engines

Perkins will offer a complete range of Stage V engines for electric power applications for European mobile generator set market. This means we have the flexibility to meet individual requirements and to ensure you get the value and performance you need from your engine choice.



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