

DAF EEV vehicles

For a cleaner environment



What is EEV?

EEV (Enhanced Environmentally friendly Vehicles) is the most severe exhaust emission standard for internal combustion engines issued to date. The EEV standard mandates extreme low emissions of 'particulate matter', which form a serious threat to the health and quality of life of people.



What is my benefit from an EEV vehicle?

Low emission zones are progressively being introduced in cities all over Europe.

Toll collection on motorways, like the German Maut, is another way to deter polluting vehicles from driving in certain areas.

EEV vehicles are eligible to the maximum reductions on toll and charges for entering a low emission zone.

That's where compliance with the EEV standards can save money for the operator.

What is particulate matter (PM)?

Particulate matter or particle pollution is the generic term for a mixture of extremely small solid and liquid particles suspended in the air.

These particulates can occur naturally (soil dust, pollens, moulds, sea spray, etc.), or originate from human activities (road dust, soot, smoke, fly ashes, etc.).

How does PM affect human health?

Exposure to ambient particulate matter concentrations may affect the lungs of children and adults, especially in case of pre-existing heart and lung diseases (asthma).

Particles smaller than 10 micrometers can get deep into the lungs and cause serious health problems. When particulate matter is combined with other air pollutants, the overall effect may well exceed the cumulated individual effects.

A recent study showed a 17% increase in mortality risk in areas with higher concentrations of small particles.

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How does EEV work?

The EEV technology starts with a well controlled combustion process.

PACCAR engines combine advanced fuel injection techniques (SMART) with SCR (Selective Catalytic Reduction) exhaust gas aftertreatment, providing the best conditions for a clean and efficient combustion.

That's why most PACCAR Euro 5 engines already meet the EEV emission levels in the standard execution.

In some cases a passive soot filter is installed behind the exhaust silencer. As the soot filter reduces the particulate matter by some 50%, the PM emission of PACCAR engines with soot filter is only 0.015 g/kWh, which is even 25% below the EEV standard.

What are the EEV engine outputs?

A complete range of PACCAR EEV engines is available:

- FR engines, 4 cylinders, 4.5 litres outputs 103, 118, 136, 152 kW
- GR engines, 6 cylinders, 6.7 litres outputs 165, 184, 210, 220 kW
- PR engines*, 6 cylinders, 9.2 litres outputs 183, 228, 265 kW
- MX engines, 6 cylinders, 12.9 litres outputs 265, 300, 340*, 375* kW

* includes soot filter

Which DAF EEV vehicles are available?

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The complete DAF vehicle programme can be specified with an EEV engine.

From light 4x2 distribution vehicles, up to heavyweight multi-axle vehicles or powerful long distance tractors and rigids, there is always an EEV compliant DAF solution available.

What does EEV do for my company's image?

Many companies nowadays are proud on the way they care for the environment in all their business activities.

DAF EEV vehicles are an effective way to show this commitment to the public.

