

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.

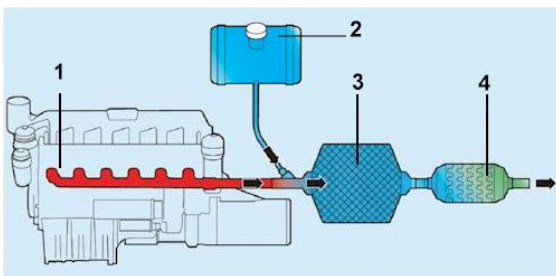
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How does EEV work?

The EEV technology starts with a well controlled combustion process.

PACCAR Euro 4 and Euro 5 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.



1. Engine with SMART fuel injection
2. AdBlue tank
3. SCR catalyst
4. Soot filter

EEV emission levels are obtained by the addition of a passive soot filter to the Euro 5 engine. The soot filter reduces the particulate matter by some 50%.

The PM emission of the PACCAR PR and MX EEV engines 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:

- FR118 engine, 4 cylinders, 4.5 litres (without soot filter), output 118 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

Which DAF EEV vehicles are available?

EEV engines can be specified in a wide range of DAF tractors and rigid chassis.

The DAF EEV vehicle programme comprizes light 4x2 distribution vehicles, but also includes 44 t 8x4 vehicles.

Depending on the vehicle series and axle configuration, a horizontal soot filter can be fitted to the chassis side or a vertical soot filter can be installed behind the cab.



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.

