



Reducing emissions and operating costs

# Idle Management



The all-new Volvo VNL and VNR series feature our most effective idle-management tools ever. With these technologies you can reduce or eliminate many of the negative effects of engine idling. From improved cab insulation to lower RPM standard idle settings, our latest innovations can help you lower emissions, reduce engine wear, and save money on fuel costs.

## **A new parking cooler—New VNL models only**

The most important addition to the VNL's idle-management offerings is Volvo's new parking cooler. It's an integrated climate-control option that uses battery energy to power the cab's HVAC system when parked. The new offering can operate the climate control without idling for up to eight hours and is perfect for VNL sleeper models. Volvo's parking cooler is also quieter than many competitors' offerings because it features a chassis-mounted compressor, instead of placing the compressor on the cab itself.

The parking cooler is connected to the battery management system's auto recharge, so that the batteries remain properly-charged, regardless of use. Our fully-integrated system requires minimal driver input. It can be controlled from either the driving or living environment. Simply set the desired temperature at

the start of an off-duty cycle and the system maintains the cabin settings until it's time to drive.

## **Parking heaters—New VNL and VNR models**

On cooler nights, there's no need to idle. Two parking heater options are available to keep the sleeper toasty without running the engine. Our 2kW unit focuses specifically on warming the bunk area. The 6kW unit is designed for cold climates, circulating heat throughout the full cab area as well as around the engine.

There's also a heating option to reduce idling in both the VNL and VNR 300 day cab. Our short-stop parking heater allows the driver to turn off the truck and provide heating for up to 30 minutes.

### Benefits of Volvo Idle Management

- **Improved operating costs**
- **Reduced fuel consumption**
- **Decreased engine emissions**
- **Extended engine and battery life**
- **Compliance for idling restrictions**

# V O L V O



New VNL and VNR models feature additional anti-idling technologies to improve fuel savings that go well beyond climate control.

#### **Automatic recharge**

Because many of our anti-idling technologies depend on battery power, the all-new Volvo VNL comes equipped standard with an automatic recharge that cranks the engine for the needed time period to maintain battery charge and promote longer battery life. Automatic recharge is also available on the new VNR as an option.

#### **Five-minute idle shutdown**

This feature saves fuel by automatically turning off the engine after five minutes of idling. A timer begins when the vehicle is stopped, has no engine load or active PTO, battery is appropriately charged, and settings for ambient temperature/operating temperature are met. After five minutes, a stop engine request is sent to the energy-management system.

#### **Integral components of Volvo Idle Management technology:**

- Lowest RPM idle setting ever offered from Volvo (550 standard idle and 500 eco-roll idle)
- Five-minute engine idle shutdown
- A new parking cooler for climate control when not driving
- Short-stop-parking heater for alternative warming in both the new VNL and VNR 300 day cab

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