

Module Cooling Systems for heavy duty applications



AKG is projecting and manufacturing worldwide custom-tailored heat-exchanger solutions for various applications and operational conditions from wheel-loaders to hydraulic-excavators up to rigid dump trucks.

The outstanding advantage of this modular solution is the replaceability of individual modules within the shortest time possible - thereby reducing machine shut downs!

General advantages:

- In case of damage easy exchange of single cooling sections possible
- Cooling sections are mounted shock-absorbing (extension in 3 axes possible)
- Less tensions (temperature, pressure)
- Cooling elements can be arranged optionally „side-by-side“ (charge-air-cooler, oil-cooler, coolant-cooler)
- High performance efficiency through compact fin and high-pressure resistant plate system
- Less debris through anti-clogging air fin
- Less spare parts stockage due to standardization of the cooling modules

Fields of application:

Required heat rejection:

- Coolant higher than 200 kW
- Oil higher than 200 kW
- Charge-air higher than 80 kW

Example:

- Mining excavators
- Rigid Dump Trucks
- Big Wheel Loaders
- Bulldozer
- Gensets
- Railways
- Others

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