



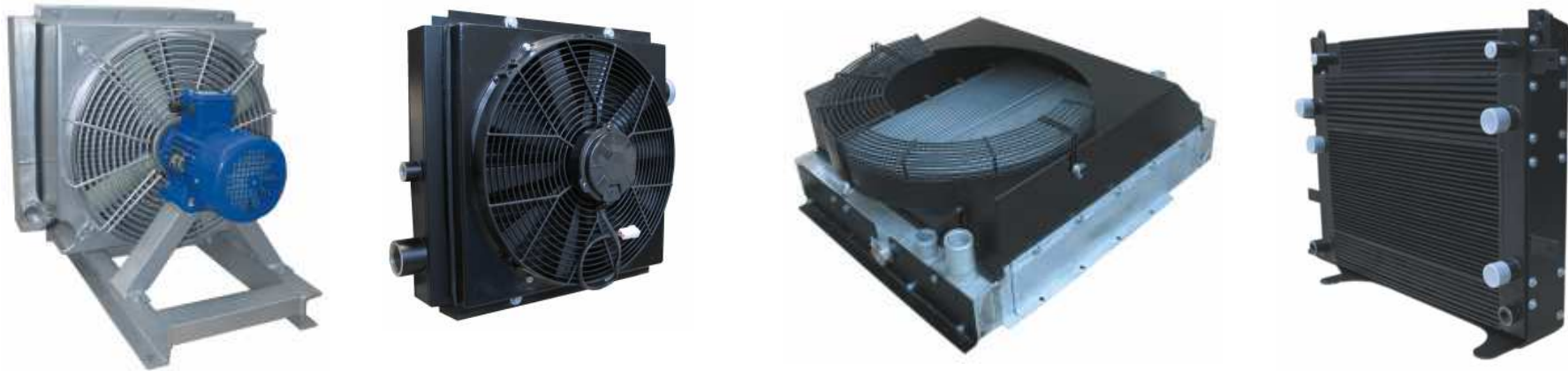
RAAL cooling systems applications

- Agricultural machines, tractors and forestry equipment
- Construction machines
- Automotive industry
- Railway equipment (trains)
- Compressors
- Hydraulic installations
- Power generator sets (gen-sets)

Cooling systems components

Heat exchangers (according to the application)

- Radiators
- Oil coolers (for engine, hydraulic, and transmission)
- Charge air coolers
- Fuel Coolers
- Condensers
- Metallic structures, including housings and protection grids fans, hydraulic and electric motors, valves, and other components



Advantages of the RAAL cooling systems

- The cooling systems are high performing because they can be conceived using heat exchangers in the following constructions: plate-and-bar, welded tubes, shell type, according to the specific application. RAAL has developed also some systems using heat exchangers having the coolants circulation in counter flow, in brazed plates construction, eventually with auxiliary circuits. In this case, there are multiple possibilities for the systems configuration.
- Assembly cost reduction at customer
- Full responsibility for the whole cooling system
- The product development is made in a very short time, by using simulation software and immediate testing in RAAL's own testing facilities.









