

# Air-Oil Heat Exchangers



These exchangers are used to cool down hydraulic/lube oil or fluids in general using air through forced ventilation on machines that operate continuously in severe work conditions. The EMMEGI range includes a wide selection of models characterised by high efficiency. In addition, all the materials used enable you to obtain a truly reliable product.



## TECHNICAL DATA

- > Core : "LONG LIFE" aluminium
- > Working pressure : 20 bar
- > Type of ventilation  
Single-phase 230V AC 50/60Hz  
Three-phase 230/400V AC 50/60Hz  
12-24V DC  
Hydrodraulic Gr. 1-Gr.2-Gr.3
- > Fluid Delivery : From 5 lpm to 520 lpm
- > Capacity : up to 7.5 kW/°C
- > Models : 1 pass - 2 pass - MG AIR 2KS - HPA/2
- > Standard equipment : Support feet
- > Optional equipment : fixed thermostat / adjustable thermostat 0:120°C

## Applications

- > Moving machines (earth moving - farm machinery)
- > Hydraulic installations
- > Compressors
- > Special vehicles
- > Machine tools
- > Injection presses



# Air-Oil Heat Exchangers KBV-HPV

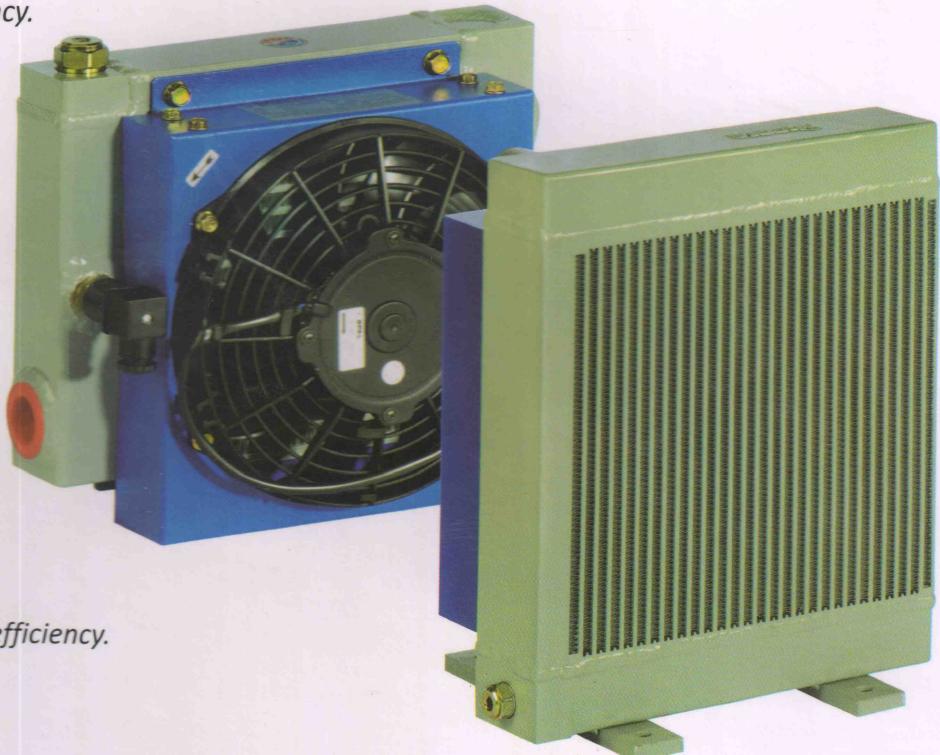


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In addition, all the materials used enable you to obtain a truly reliable product.

The air-oil heat-exchangers KBV-HBV series was developed to answer the large application needs of the market. The main characteristic of this new product is the integrated by-pass valve that will simplify its employment and will avoid the customers need to add an external and independent valve, this will guarantee very high efficiency.



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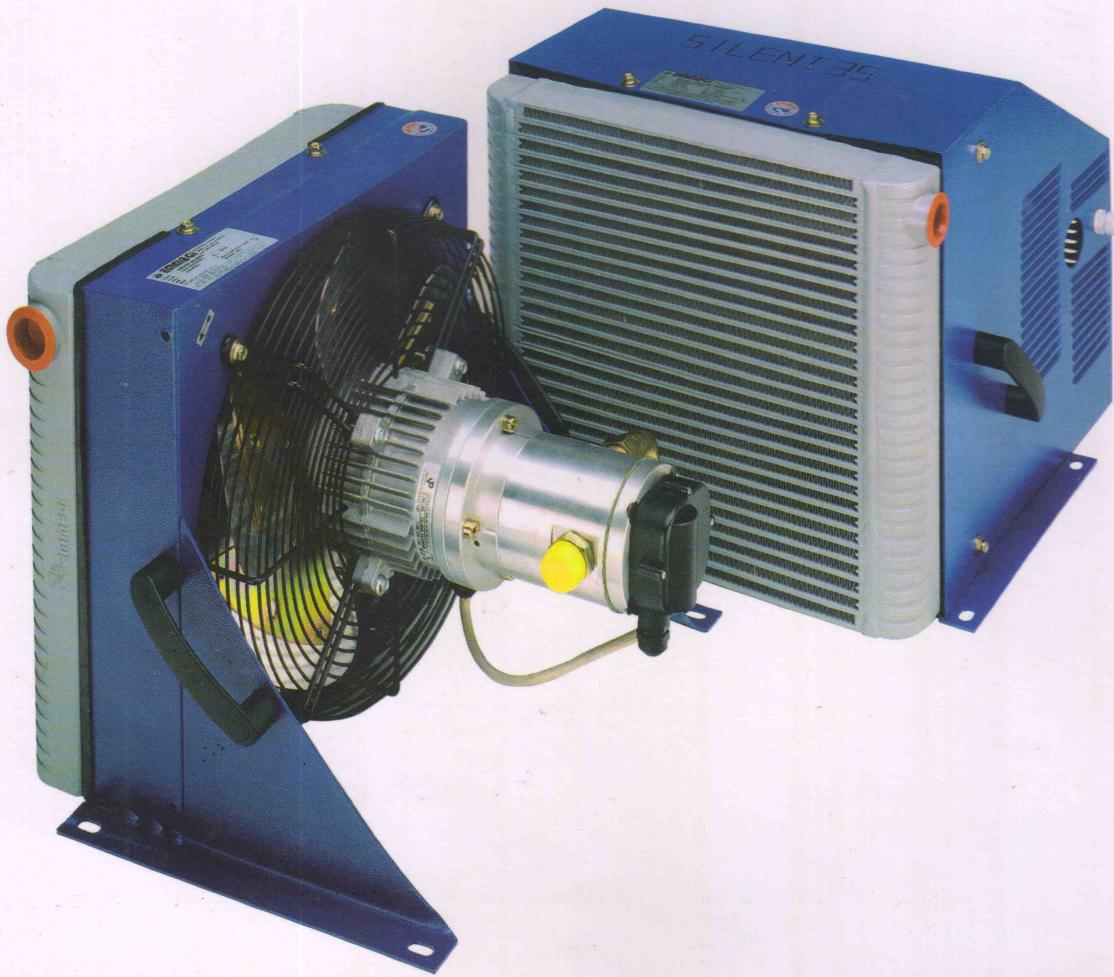
## Applications

- > Moving machines (earth moving - farm machinery)
- > Hydraulic installations
- > Compressors
- > Special vehicles
- > Machine tools
- > Injection presses



# Autonomous cooling units series SILENT

These are used in circuits where an exchanger cannot be installed on the hydraulic circuit return line due to hammering and high differential flows in the circuit.



## TECHNICAL DATA

- > Core : "LONG LIFE" aluminium
- > Screw pump
- > Equipment : Electric motor three-phase 230-400 V AC 50 Hz three-phase-277-480V AC 60Hz three-phase motor thermal protection completed
- > Capacity : Up to 0.6 Kw/°C

## Applications

- > Hydraulic installations
- > Elevators / lifts
- > Machine tools
- > Industrial machinery



# HPA TK series



*The TK series heat exchangers, equipped with an integrated surge tank, are used to cool down closed-circuit hydraulic installations.*



## TECHNICAL DATA

- > Core and Tank : aluminium
- > Working pressure : 2 bar
- > Delivery : From 10 to 90 lpm
- > Equipment : 12 or 24 V DC
- > Models : HPA12 Tk15 (tank capacity 15 litres) HPA18 Tk18 (tank capacity 18 litres)
- > Smaller models also available

## Applications

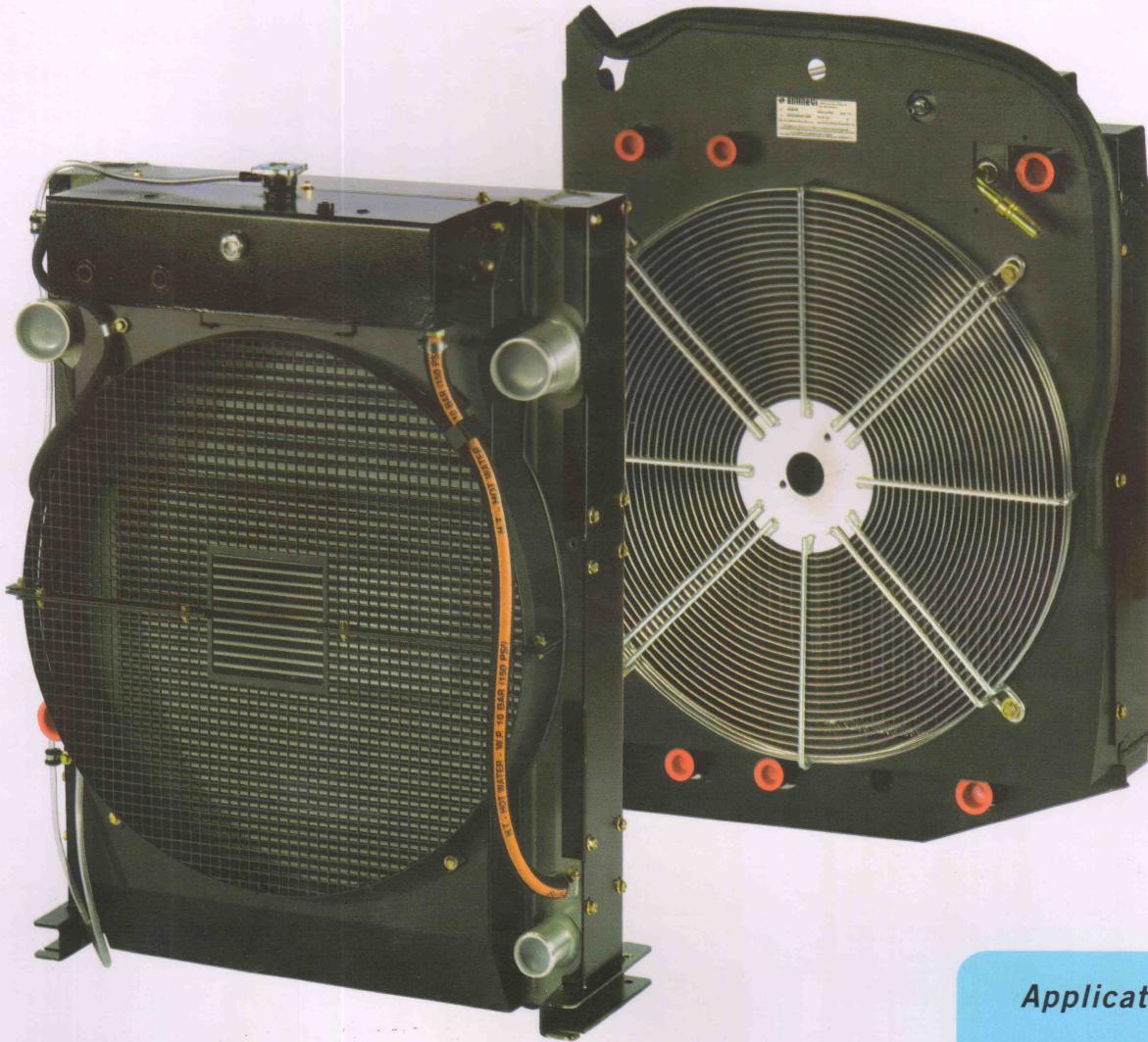
- > Truck mixers
- > Moving machines



# Combined Coolers for Moving Machinery



These are used to cool down the multiple circuits (water-engine and hydraulic oil, transmission, charge air) using the endothermic engine ventilation.



## TECHNICAL DATA

- > Core : "LONG LIFE" aluminium copper
- > Working pressure : 20 bar oil side aluminium core  
1 bar water side aluminium core
- > Capacity : For endothermic engines with power from 10 Kw to 155 Kw
- > Models : Entirely in aluminium (high thermal exchange with controlled weight and dimension)
- > Equipment : water core in aluminium / oil core in aluminium

## Applications

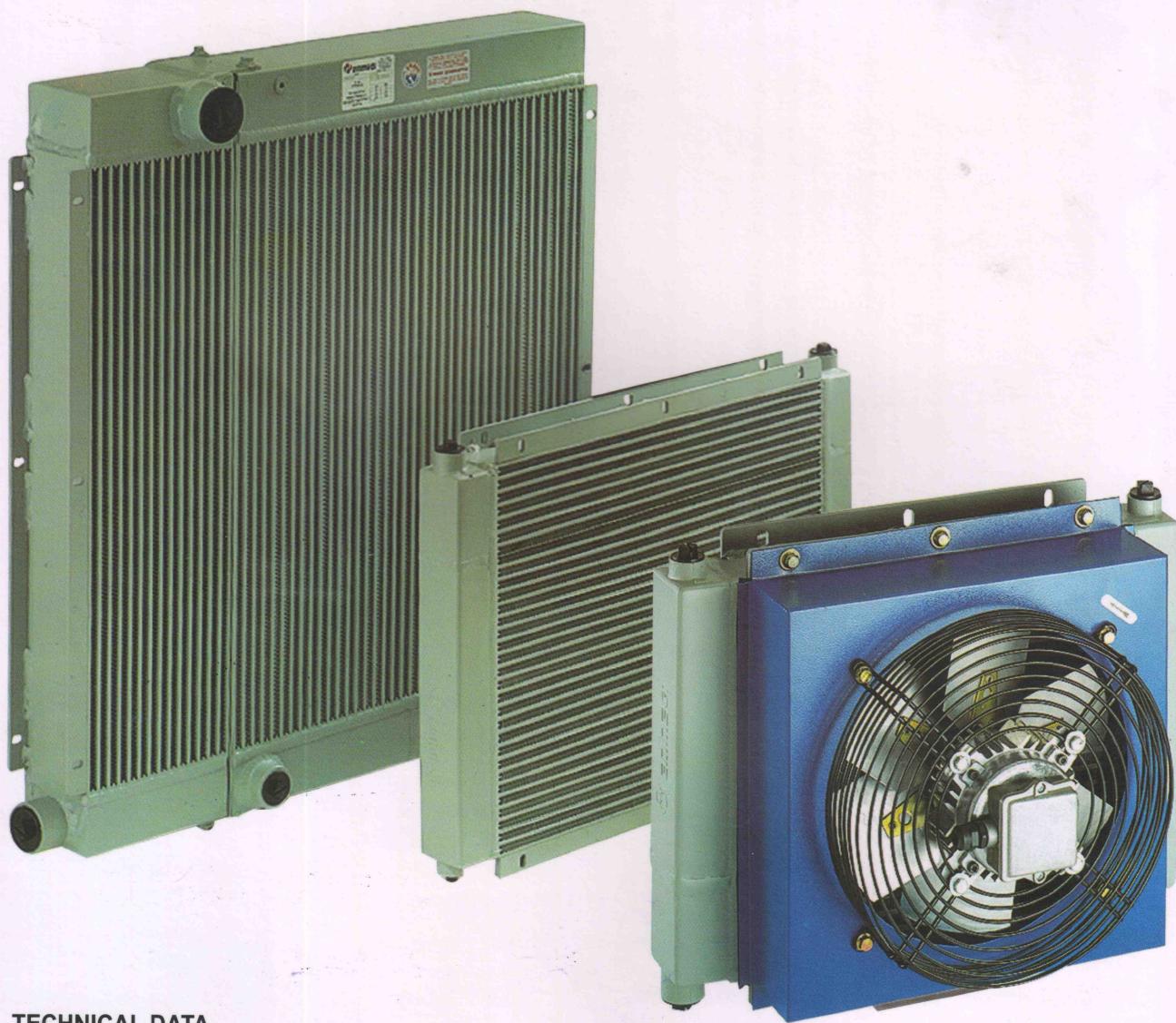
- > Earth moving machines
- > Farm machinery
- > Portable compressors
- > Special vehicles
- > Tractors
- > Wind energy



# Combined Coolers for Compressors



EMMEGI has developed a standard range of combined air/air/oil exchangers for capacities up to 110 KW. The company's flexibility allows it to offer solution that can meet any of the Customer's specific dimensional and thermal requirements.



## TECHNICAL DATA

- > Core : "LONG LIFE" aluminium
- > Working pressure : 20 bar
- > Equipment : core only or with electric fan 230/400 V AC 50/60 Hz three-phase



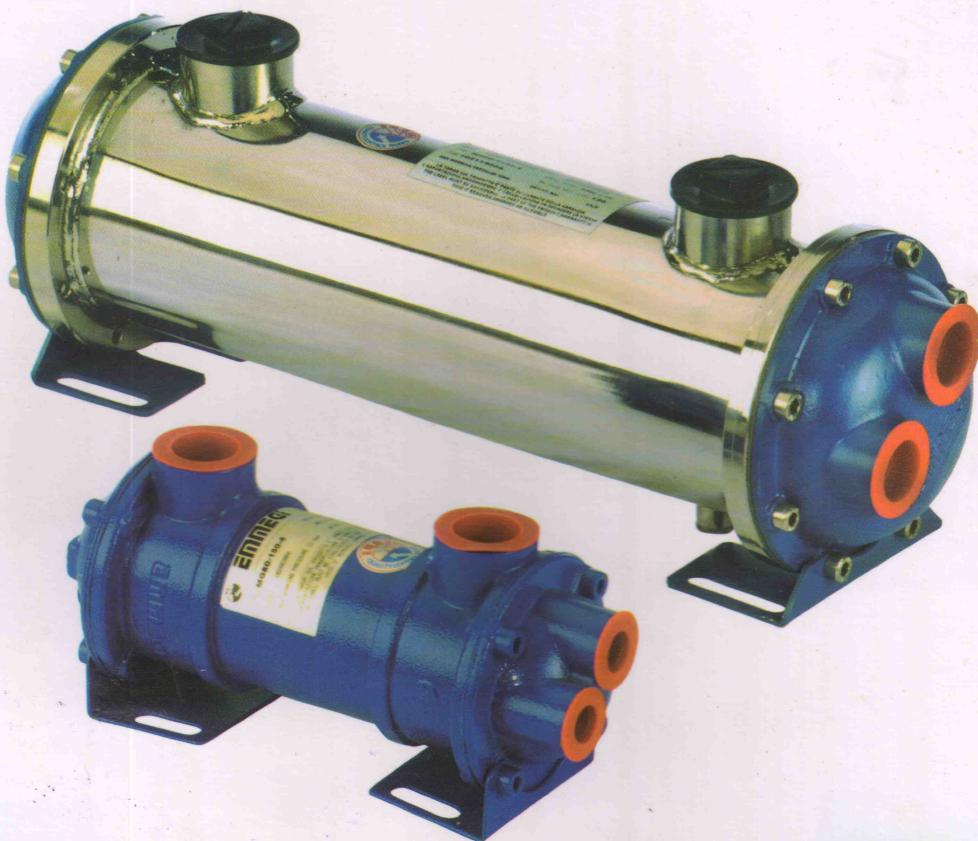
# Water-Oil Heat Exchangers



These exchangers are used to cool down hydraulic oil or other fluids in general.

The EMMEGI range includes a wide selection of models characterised by high efficiency.

The types of material used allow you to obtain a truly reliable product.



## TECHNICAL DATA

- > Construction materials : copper- brass - AISI304 - CuNi10 - carbon steel
- > working pressure : 12 bar
- > Fluid delivery : from 5 lpm to 800 lpm
- > Capacity : upto 8.3 kw/°C
- > Equipment : fixed tube bundle, removable tube bundle

## Applications

- > Hydraulic installations
- > Foodstuff machinery
- > Marine installations
- > Industrial machines
- > Machine tools
- > Compressors
- > Generators



# Accessories



*In addition to complete products, EMMEGI also supplies a wide range of accessories:*

- > Adjustable thermostats
- > Fixed thermostat
- > Thermostatic water valves
- > Three-way temperature regulators
- > By-pass valves



## Special coolers by customer's drawing

.....EMMEGI can also design and manufacture products according to the Customer's specification and/ or drawings.

