



Robust design &
high efficiency

Minimal space
requirements

Long life cycle
and durability

Engine & Generator Cooling Solutions

CHARGE AIR COOLER



PRODUCT TYPES



Insert Charge Air Cooler

This model is used on combustion engines with an installed or integrated gas side casing. During servicing, it can be pulled out without dismantling the air duct, saving time and costs.



Charge Air Cooler with housing

This cooler comes with gas side casing. The cooler core is inserted into a special housing, which includes all air side connections. It is an ideal plug and play solution for engine manufacturers. Like the insert version, this cooler can be serviced without dismantling the air duct.



Block Charge Air Cooler

The gas side housing is formed by cooler components, such as the side wall or tube sheet. This configuration is a cost-efficient solution for small cooler units.

OUR COMPACT FIN TUBE SYSTEM

TUBES

Copper and nickel alloy: CuNi10

Good seawater resistance;
Excellent heat exchange

Copper and nickel alloy: CuNi30

Excellent seawater resistance;
Excellent heat exchange

Copper: Cu

Good resistance against tap water;
Excellent heat exchange

Stainless steel 316L (1.4404):

Average heat exchange;
High corrosion resistance (except sea water);
High material strength

FINS

Copper: Cu

Excellent heat exchange;
Average resistance against condensation;
Lower material strength

Aluminum: Al

Excellent heat exchange;
Low weight

Stainless Steel 409L (1.4512)

Good to excellent corrosion resistance;
Good heat exchange;
High material strength

Stainless Steel 316L (1.4404)

Excellent corrosion resistance;
Average heat exchange;
High material strength

Stainless Steel 904L (1.4539)

Excellent corrosion resistance also
against chlorides; Average heat exchange;
High material strength

MARKETS



Marine



Transportation



Power