

PRODUCT SALES GUIDE

A QUICK LOOK AT AKG'S PRODUCT LINES
AND THEIR FEATURES



TS Product Lines

Off the shelf cooling packages for open or closed loop hydraulics and compressor cooling. AC or DC electric fans, and hydraulically driven fans are available. An online sizing tool puts performance at the customer's fingertips.



COOLANT
COMPRESSED AIR
OIL

AIR

INDUSTRIES:

Distribution

BEST FIT:

Air compressors
Mobile circuits
Industrial hydraulic units

TIME TO SHIP:

1-2
WEEKS

EXPERIENCE:

20+
YEARS



Ship from stock

PRESSURE RATING:

Coolant

Charge Air

Oil

Design Dependent
(250 - 377 psi)



Durable Al bar-plate



HYDRAULIC COOLING UNIT (HCU)

Off the shelf cooling package for Class 8 trucks in an open or closed loop hydraulics application. AC or DC electric fans, and hydraulically driven fans are available. Hydro Nucleation technology, Vibration tested, Patent approved design.



OIL

AIR

INDUSTRIES:

Mobile

BEST FIT:

- Bulk Feed
- Crude oil transport
- Vacuum trucks
- Food & chemical transports
- Agriculture equipment
- LP Gas transport
- Creep Drive Systems

PRESSURE RATING:

Oil	250 psi
-----	---------

TIME TO SHIP:

1
WEEK



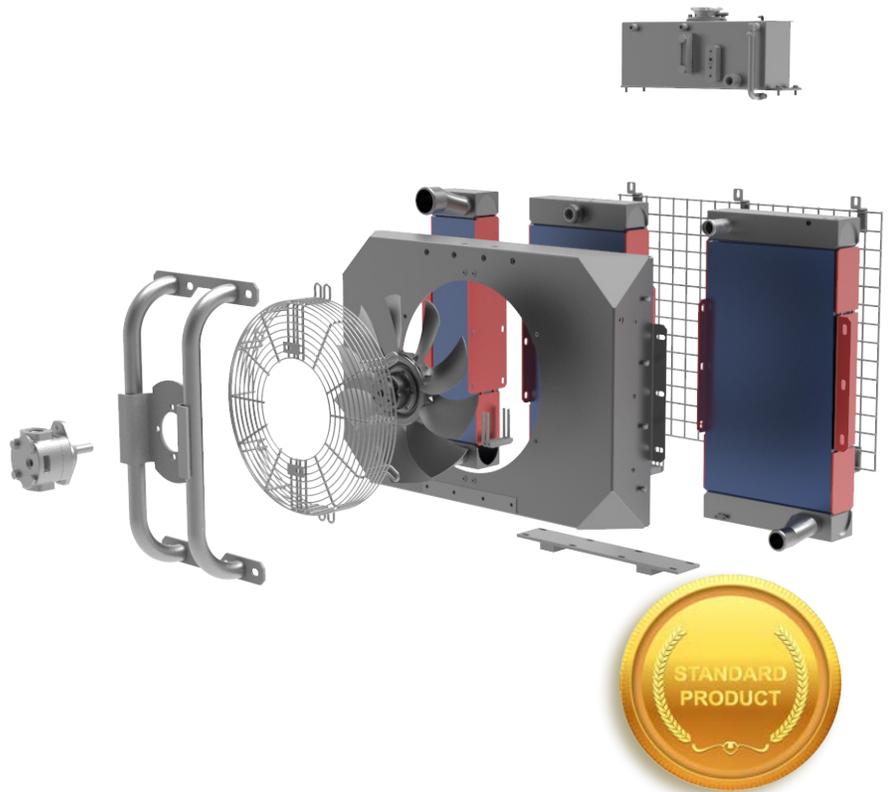
Ship from stock



Durable aluminum bar-plate

AEL

AKG's pre-engineered, off the shelf engine cooling line. AEL provides jacket water and charge air cooling for engines up to 700hp, with an optional oil cooler available. AEL includes fans, motors, and guards for a complete cooling system. An online sizing tool puts performance at the customer's fingertips.



*COOLANT
CHARGE AIR
REFRIGERANT*

AIR

INDUSTRIES:

All industries requiring engine cooling for engines between 100hp-700hp

TIME TO SHIP:

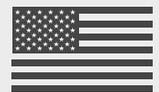
2 - 3
WEEKS

BEST FIT:

Off-highway & Specialty on-highway engine cooling

EXPERIENCE:

10+
YEARS



American made



Quote, drawing, model in <24 hours



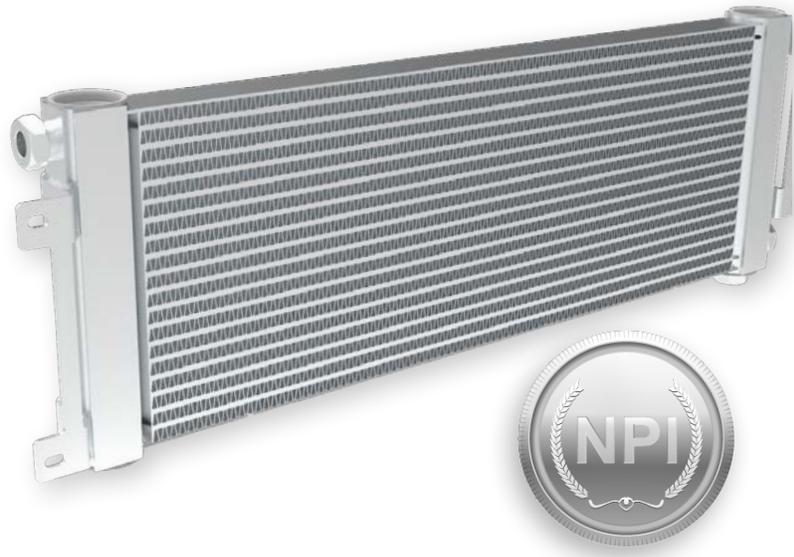
Delivery in 2 - 3 weeks

PRESSURE RATING:

Coolant	15 psi
Charge Air	50 psi
Refrigerant	150 psi

LightWeight (LCO45)

A cooler variation with all the fin options of BarPlate at 40% lower weight. Designed for manufacturing without welding, these air-cooled heat exchangers work with a wide range of medium-duty applications.



COOLANT
OIL
AIR
FUEL

AIR

INDUSTRIES:

- Commercial vehicles
- E-mobility vehicles
- Construction equipment
- Power Generation
- Agriculture

BEST FIT:

- Standard oil & fuel coolers available
- Projects 100+ EAU
- Protected from damage
- Fuel coolers
- Auxiliary coolers
- Small engine radiators

TIME TO SHIP:

8 - 12
WEEKS



No tooling



All brazed aluminum construction



Fins and turbulators with years of validation

PRESSURE RATING:

Coolant	250 psi
Oil	
Air	
Fuel	

BarPlate

AKG offers both custom-designed and standard aluminum bar-plate heat exchangers for OEMs and distributors for a wide range of applications. In customizable, incremental geometries, AKG selects from dozens of external air fins and internal turbulators to meet the specific requirements of each application.



COOLANT
AIR
OIL

FUEL
REFRIGERANT

AIR
COOLANT

INDUSTRIES:

- Construction
- Agriculture
- Material Handling
- Power generation
- Transportation
- Commercial vehicles

TIME TO SHIP:

8 - 10
WEEKS

EXPERIENCE:

20+
YEARS

BEST FIT:

Typically engine and hydraulic cooling for off-highway equipment or on-highway specialty vehicles, but can be used nearly anywhere.

PRESSURE RATING:

Coolant	Design Dependent (15 - 500+ psi)
Charge Air	
Oil	
Fuel	



Long product lifetime



Customizable



Durable enough for harsh applications



Extensive empirical performance data

Fracking Cube

AKG's cube style cooling system for the fracking industry. The system utilizes aluminum bar-plate coolers for engine cooling as well as hydraulic, fuel, lubrication, and transmission oil cooling. The fracking cube is designed with an access panel for easy maintenance and clean-out. Designed to cool fracking rigs up to 3000hp.



COOLANT
CHARGE AIR
OIL

AIR

INDUSTRIES:

Oil & Gas

BEST FIT:

Frac Pump trailer

TIME TO SHIP:

8 - 12 WEEKS

PRESSURE RATING:

Coolant	15 psi
Charge Air	50 psi
Oil	350 psi



Durable



American made



Maintenance friendly

SPECIFICATIONS

Engine Families: CAT 3512, Cummins QSK50, MTU 12V4000

Heights: Standard (110"), Low-profile (86")

Scope of Supply: cube-style frame containing a jacket water radiator, low-temperature aftercooler, fuel cooler, hydraulic oil cooler, lube oil cooler, transmission oil cooler (if air-cooled), charge air cooler (if air-cooled), HT/LT expansion tank, fan, fan guard, hydraulic fan motor, wind-down motor, access door, hoses from coolers and motor to one manifold.



AELQ

Aluminum bar-plate coolers designed for modular cooling. An EC fan provides the cooling air and utilizes AC power with integrated speed controls. Fan speeds can be controlled using 4-20mA, 0-10V, or PWM signals. Modules can be plumbed together with simple Victaulic connections.



COOLANT OIL

AIR

INDUSTRIES:

Power Generation
 Combined Heat & Power (CHP)

TIME TO SHIP:

8 WEEKS

BEST FIT:

Water/glycol cooling for power plants and large gensets

***Adding table of configurations**



Modular cooling system



Low noise



Speed controllable EC fans

PRESSURE RATING:

Coolant	50 psi
Oil	



Copper Brass

AKG offers custom-designed copper fin-brass tube heat exchangers with a modular aspect for OEM and other HHP applications. The cores can be either plate fin or serpentine construction. These systems can be either vertical or horizontal orientation and either electric motor or engine driven.



COOLANT

AIR

INDUSTRIES:

Power Generation
Oil & Gas

TIME TO SHIP:

12 - 16
WEEKS

EXPERIENCE:

20+
YEARS

PRESSURE RATING:

Coolant	15 psi
---------	--------



Turnkey



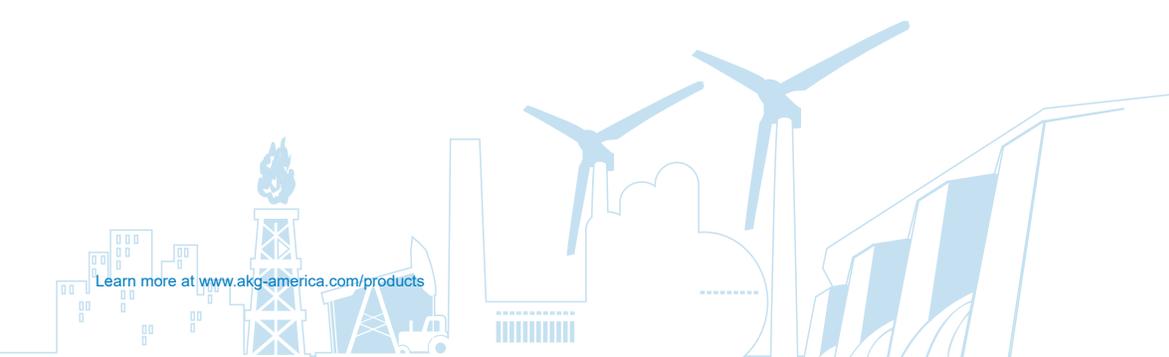
Durable enough for
harsh applications



Complete cooling system
from single supplier

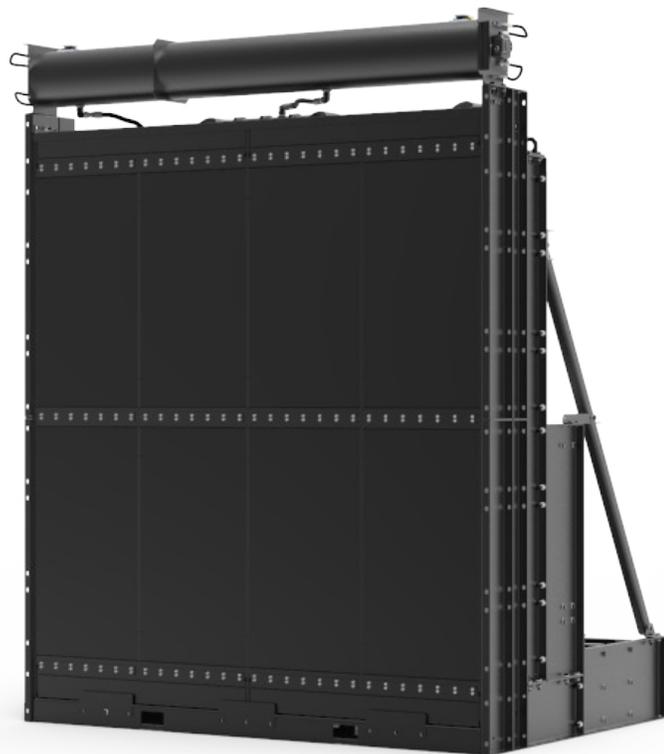


Life cycle servicing and
maintenance available



Modular Cooling Systems (MCS)

AKG offers custom-designed bar-plate heat exchangers with a modular aspect for OEM and other HHP applications. The range of internal and external fins available will be matched to the exact specifications of each design. Modules can be exchanged in the field if necessary. These systems can be either vertical or horizontal orientation and either electric motor or engine driven.



COOLANT
AIR
OIL

AIR

INDUSTRIES:

Power Generation
Mining
Oil & gas

TIME TO SHIP:

12 - 16
WEEKS

BEST FIT:

Gensets 18L to 120L
Remote radiator
Large mining equipment

EXPERIENCE:

10+
YEARS

PRESSURE RATING:

Coolant	85 psi
Air	70 psi
Oil	230 psi



Turnkey



Durable enough for
harsh applications



Complete cooling system
from single supplier



Customizable