

KOCOVERK

Pre Conditioned Air Systems



In 1955 our products looked like this

KOCOVERK AIRPORT SYSTEM

KOCOVERK Airport System

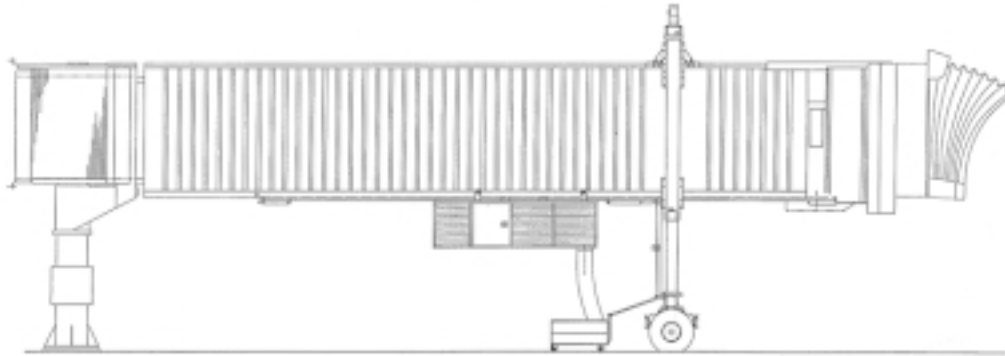
ACC ALL ELECTRIC PRECONDITIONED AIR UNIT

Kocoverk International is a leading manufacturer of Ground Support Equipment like aircraft heaters, mobile Air Conditioning units and Pre Conditioned Air systems.

The best combination of experience, new technology and customer input has resulted in a product line you can

trust for your aircraft and customer needs.

ACC point of use units for bridge mounting are designed to provide airports and airlines with a state of the art air conditioner. Kocoverk ACC units will meet the highest standards of technology and aviation requirements.



Passenger boarding bridge mounted.

ENVIRONMENT

The system avoids the need for aircrafts on the ground to use their APU's, or big Diesel engine powered mobile A/C vans which both are noisy, polluting and consume lot of fuel. The B-747 consumes 750! liter fuel per hour and the B-757 consumes 350 Liter per hour!

Kocoverk ACC system will reduce these figures to almost ZERO at the airport. It's all electrical!

The impact on the environment will be drastically changed by using the all electric Kocoverk PCA system.

OPERATION

"PCA by Kocoverk" is extremely easy to use. With a remote PLC control mounted at ramp level the operator can choose between different operation modes. Due to it's position underneath the boarding bridge there will be no interference with other GSE equipment and personnel on the tarmac. Operation can be done by unskilled operator due to the simple layout on the control panel.

MAINTENANCE

KOCOVERK ACC units has few moving parts in comparison with Diesel engine powered A/C carts and vans. This means a minimum of maintenance. Motor and fan bearings are permanently greased for long time operation without maintenance. Typical inspection once a year is filter quality and refrigerant level. Nothing else.

ADVANTAGES

KOCOVERK PCA system uses power calculations and PLC control to adjust the temperature and volume of the air distributed to the aircraft. All systems are designed for specific local ambient conditions to obtain maximal passenger comfort. There are no mechanical linkage, gearboxes or Diesel engines to maintain. The ACC unit also provides real Air Conditioning . Discharged air is de-humidified, cooled and filtered before entered into the aircraft for maximum passenger comfort.



PCA from KOCOVERK Airport System: Optimal solutions

KOCOVERK POINT of USE

SYSTEM ADVANTAGES

- **Reduced airport pollution**
- **Reduced noise level**
- **Reduced odours**
- **Reduced fuel consumption**
- **Reduced maintenance**
- **Improved working environment**
- **Improved apron access**
- **Improved passenger comfort**
- **Improved airport economy**

INSTALLATION

KOCOVERK Point of Use units are designed to be installed under the passenger boarding bridge or at the base of the rotunda. The system is ideal for retrofitting existing airports or terminals with minimum installation cost. There are no big chillers and cold storage units whom requires large terminal indoor space and there are no need for extensive piping with refrigerant throughout the whole airport. All units are designed to fit each specific boarding bridge.

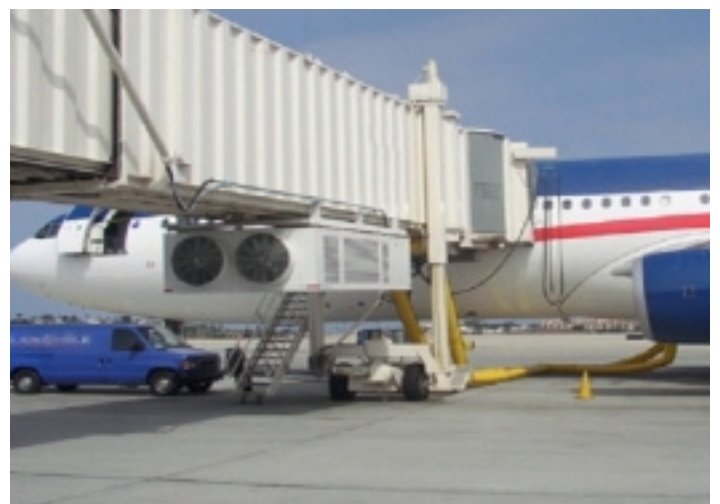
COOLER / HEATER

“PCA by KOCOVERK” is also designed as an option to both cool and to heat all types of aircraft all year around. This will reduce the need for separate Diesel engine driven aircraft heaters. This will further improve the environment around the aircraft and the airport

and also reduces the noise level. Kocoverk PCA system type of system guarantees all year around capability to serve all types of aircraft for maximum passenger comfort.

TECHNOLOGY

KOCOVERK PCA unit product line combines performance by using Copeland world know Scroll compressors with environment friendly refrigerant like R 407 C and R 134 a. This in combination with double evaporators and condensers means outstanding performance, reliability, safety and economy. With one circuit out of operation the other one will still produce 50 % of the capacity. With multiple compressors power consumption will be kept at minimum level by only using necessary compressors in operation in order to achieve required cooling capacity.



KOCOVERK Airport System: World Wide References

TECHNICAL SPECIFICATIONS

C CLASS AIRCRAFT

Air flow	4000 m ³ / h
Air pressure	5000 Pa
Air supply temp	5 degree C
Heating capacity	60 kW (option)
Compressors (2)	Copeland scroll
Condensors (2)	Aluminium
Refrigerant	R 407 C
Power connection	125 Amp

D CLASS AIRCRAFT

Air flow	7500 m ³ / h
Air pressure	7500 Pa
Air supply temp	5 degree C
Heating capacity	70 kW (option)
Compressors (2)	Copeland tandem Scroll
Condensors (2)	Aluminium
Refrigerant	R 407 C
Power connection	125 Amp

E CLASS AIRCRAFT

Air flow supply	10.500 m ³ / h
Air pressure	8500 Pa
Air supply temp	5 degree C
Heating capacity	120 kW (option)
Compressors (4)	Copeland tandem Scroll
Condensors (4)	Aluminium
Refrigerant	R 134a
Power connection	250 Amp

OPTIONS

- Electric strip heaters
- Remote monitoring
- Variable – speed blower drive
- Air delivery accessories



Stationary heaters and Trailer mounted heaters

KOCOVERK Aircraft units are used worldwide by airlines, airports, handling companies, military organizations etc. For additional information please contact our office directly.



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