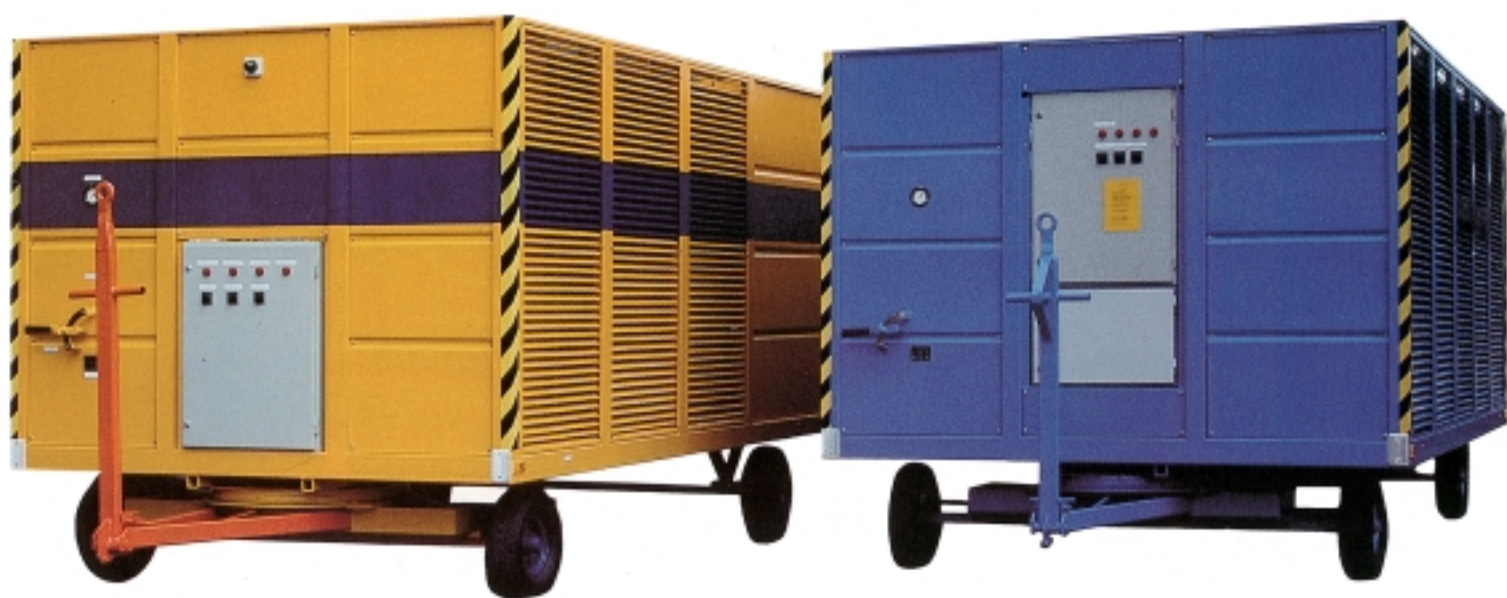


KOCOVERK

Ground Support Air Conditioning Systems



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Ground Support Air Conditioning System



KOCOVERTK air conditioning unit the most economical unit on the market

KOCOVERTK ACC unit provide maximum passenger comfort in all types of piston and jet aircrafts. Kocoverk air conditioning units can meet the requirements of all aircraft operators regardless of fleet size or local ambient conditions.

Advantages

Electrical power is more convenient and economical. The operating costs for the ACC are far lower than for any mobile ground support equipment with Dieselpower generator or APU, (Auxiliary Power Unit).

The ACC is **clean** with no emission as electricity is the power source for the aircraft cooler.

The KOCOVERTK ACC is also **quiet** with blower and fans fully enclosed to **reduce** operating noise significantly. This is ideal for **inside** hanger use during maintenance. It is also extremely harmless to personell working at the gates.

The units employ an air-to-air type refrigeration system and there are no dangers of combustion.

Economy

The dual refrigeration system permits either all or part of the cooling capacity to be used. That means a **minimum cost** of operation and maintenance.

Operating the ACC unit on municipal electricity costs a fraction of working a Dieselpowered unit.

Carrier compressors offer efficient, economical and dependable operation.

Maintenance

The KOCOVERTK ACC is an all electric air conditioning unit. Condensor fans, compressors and evaporator blower are powered by electric motors. There is **no** mechanical linkage, gearboxes or clutches to maintain. Fewers parts drastically **reduce** maintenance.

All fuses, electric motors, compressors and control circuits are easily accessible within the removable side-panels.

The ACC **cuts costs** in maintenance of the Auxiliary Power Unit "APU".

Operation

One of the essential needs of the airline market is the requirement for **ease** of operations error resulting in expensive repairs.

KOCOVERTK ACC may be run by an unskilled operator. A **simple** two step procedure and the unit is in full operating. From then on everyting is **automatic** until shut down.

The ACC is quick to move from one aircraft to another. When the switch is turned to of, the air supply blower instantly stops. After disconnecting the airhose the KOCOVERTK ACC is ready to move to the next aircraft.



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KOCOVERK new air conditioning unit for hangar use during maintenance

Environment

KOCOVERK Air conditioning units are specially designed to be harmless to indoor work. The ACC EL (electric) version has **no** Dieselgenerator or Dieselengine with harmful noise levels, pollution, oilleaks, etc. This makes it ideal for hangar use.

The condensor fans discharge air and noise vertically away from ground personell. The airintake is specially sound insulated and equipped with sound dampers.

All this together makes the ACC EL ideal for hangar use during maintenance inside the aircraft.

Safety

The ACC has adequate built-in safety devices, guards and covers to protect personell from all potential safety hazards and to protect the ACC itself from damages of components or improper operating prodedures. Service panels permit convenient access by authorized personell to all parts of the unit requiring inspection, cleaning, adjustment, repair or replacement.

Options

KOCOVERK ACC can be supplied with options like: Dieselgenerator of any choice when municipal power is not available, electrical heating system, "y" adaptor kit for wide body aircraft, special colour schema, stationary skid mounted units, etc.

Design features

- ★ Dual circuited evaporator provides greater temperature control.
- ★ Evaporator air intake is sounddamped to quiet unit operation.
- ★ Dual condensor system with low air velocity add to quieter operation.
- ★ Twin semi-hermetic Carrier compressors offer economical and dependable operation.
- ★ Accessible service panel houses service gauges and component controls.
- ★ Very simple control panel contributes to easy operation of the ACC.
- ★ Appropriate indication and warning lamps and reflectors all around is supplied.
- ★ ACC can be mounted on skid, trailer or properly rated locally chassies.
- ★ According to cooling demand 100%, 66% or 33% capacity can be obtained.
- ★ The desired airpressure is selected using a control on the instrument panel.



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TECHNICAL DATA:

GENERAL DATA:		2/20	3/40	6/70	9/90	9/110
Air Supply flow	m ³ /h	2000	3500	5000	6500	7000
Air Supply temp	°C	4-10	4-10	4-10	4-10	4-10
Air Supply pressure	mmwp	510	500	550	550	640
Compressor manufacturer	Carrier	1	1	2	2	2
Refrigerant	Freon	R407C	R407C	R407C	R407C	R407C
Refrigerant capacity at 30°C / 50% RH tons		6	12	20	25	35
Capacity control	automatic	yes	yes	yes	yes	yes
Capacity stages + vent	no.	1+1	1+1	2+1	3+1	3+1
ELECTRIC DATA:						
Power	Volt/Phase/Hz	380-3-50	380-3-50	380-3-50	380-3-50	380-3-50
Control system	Volt/Phase/Hz	220-1-50	220-1-50	220-1-50	220-1-50	220-1-50
Compressor	Volt/Phase/Hz	380-3-50	380-3-50	380-3-50	380-3-50	380-3-50
Compressor motors	kW tot.	5	9	24	44	50
Condenser motors	kW tot.	0,5	1	2	4,5	6
Evaporator fan motor	kW	7,5	11	15	18,5	22
Power consump. totally	kW	13	21	41	67	78
Current	Amp.	20	32	62	101	118
DIMENSIONS:						
Electrical mounted on trailer						
Length	m.	2.70	3.20	3.40	3.60	4.20
Width	m.	1.50	1.60	2.20	2.20	2.30
Height	m.	1.40	1.40	2.15	2.15	2.15
Weight	kg.	550	750	1200	1300	1600

GENERAL DATA:		9/130	9/160	11/180	11/210
Air flow	m ³ /h	7000	7500	10000	11000
Air Supply temp	°C	4-10	4-10	4-10	4-10
Air Supply pressure	mmwp	640	720	850	950
Compressor manufacturer	Carrier	2	2	3	3
Refrigerant	Freon	R407C	R407C	R407C	R407C
Refrigerant capacity at 30°C / 50% RH tons		40	45	55	60
Capacity control	automatic	yes	yes	yes	yes
Capacity stages + vent	no.	3+1	3+1	4+1	4+1
ELECTRIC DATA:					
Power	Volt/Phase/Hz	380-3-50	380-3-50	380-3-50	380-3-50
Control system	Volt/Phase/Hz	220-1-50	220-1-50	220-1-50	220-1-50
Compressor	Volt/Phase/Hz	380-3-50	380-3-50	380-3-50	380-3-50
Compressor motors	kW tot.	56	66	80	100
Condenser motors	kW tot.	6	7	7	12
Evaporator fan motor	kW	22	30	45	55
Power consump. totally	kW	84	103	132	169
Current	Amp.	127	159	200	256
DIMENSIONS:					
Electrical mounted on trailer					
Length	m.	4.20	4.20	5.00	5.50
Width	m.	2.30	2.30	2.35	2.40
Height	m.	2.15	2.15	2.25	2.40
Weight	kg.	1800	1850	2100	2500

Changes due to technical innovations are reserved without notice.



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