



Direct Expansion PCA  
Trailed mounted  
ACDXm-3T  
Selfpropelled version  
ACDXm-3DET  
for class C/E Aircrafts



ACDXm mobile PCA units are designed to provide airlines and airport companies with a state of art of PCA complying the highest standards of technology and aviation industry requirements. ACDXm units are selfcontained electric powered or with diesel generator, automatically controlled, to provide cooled and heated air to parked aircraft.

The units have been developed to provide:

- Noise reduction. With insulating panels, air intake silencer and airflow control for the condensers fans.
- Interface RS485
- High EER coefficient due to inverter control
- VFD on condensing fans and compressors.
- Digital control with PLC
- Air flow inverter controled
- n°2 14" air flow outlets with hose flexible hoses and aircraft connector
- Standard refrigerant HFC R410A or HFO R513A as option
- Trailer mounted with hose basket
- Optional diesel engine generator stage V

## Technical data



Nominal air flow	from 150 to 210 kg/min
Outlet air pressure	6000 - 8000 Pa
Blower motor	37-45 kW
N° of refrigerant circuits and condenser fans	2-3
Refrigerant	R410A (option R513A)
N° of electrical heater sections	2
Power source	400 V, 3ph, 50 Hz
Engine generator	diesel motor stage V 155 kVA @ 1500 rpm electronic rpm control

### PERFORMANCE IN COOLING MODE

Air conditioned temperature at unit outlet with 31,6°C, 43% R.H. ambient conditions	>= 0°C
Air flow variable between	50 to 100% of nominal flow
Noise level	<85 dBA at 4.5 m

### PERFORMANCE IN HEATING MODE (option)

Nominal heating capacity: electric heater banks	60-90-120 kW
Engine cooling media exchanger (optional)	60 kW
Air conditioned temperature at unit outlet with -10°C, 100% R.H. ambient conditions	40 to 55°C
Air flow	70% of nominal flow
Noise level	<80 dBA at 4.5 m

### STANDARD FEATURES

Digital control  
Blower variable frequency drive  
Condensation control by VFD on fan motors  
Manual operating mode selection

### WEIGHT AND DIMENSIONS

Length	7500 mm
Width	2400 mm
Height	3000 mm
Weight	7500 kg

### Model ACDXm-3DET

