MAIN FEATURES

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

- Digital control with PLC
- High ERR coefficient with inverter control
- VFD on compressors and condensing fans
- Main blower air flow inverter controlled
- Standard refrigerant R410A or HFO R513A as option
- Smoke detector
- Efficient condensate water pumps system
- MODBUS RS485/Ethernet supervision system
- Manual aircraft class selection
- Condenser air top expulsion
- 480 V, 60 Hz electrical feed (optional)
- Trailed mounted with hose basket
- Self-propelled version with diesel engine generator

Nominal air flow	from 150 to 210 kg/min
Nominal cooling capacity	Size 1 – 60 Tons Size 1 – 90 Tons Size 1 – 120 Tons
Max air pressure	5000-8000 Pa
Blower motor	37-45 kW
N° of refrigerant circuits and condenser fans	2-3
Standard refrigerant	R410A
Optional low GWP refrigerant *(only for electric version)*	R32/R454C/R1234ze
N° of electrical heater sections	2
Power supply	400 V, 50 Hz
Engine generator	diesel motor electronic rpm control – Stage V or Stage III - HVO

PERFORMANCE IN COOLING MODE

Air-conditioned temperature at unit outlet with 32°c, 50% r.H. Ambient conditions	>= 0°C
Air flow variable between	50 to 100% of nominal flow

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°
Air flow	70% of nominal flow

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COMPLETE RANGE OF GROUND SUPPORT EQUIPMENT



ACDXm

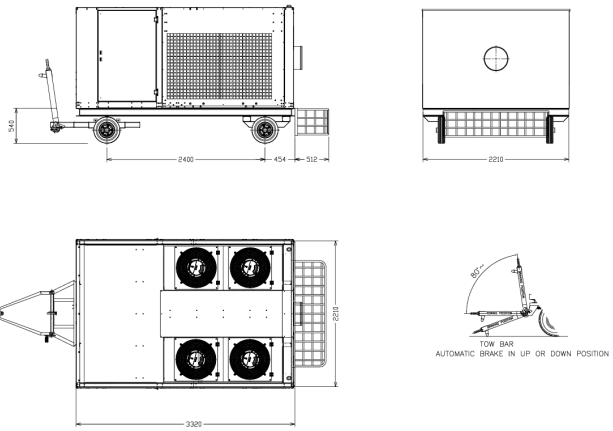
DIRECT EXPANSION TRAILED PCA

TECHNICAL DRAWINGS

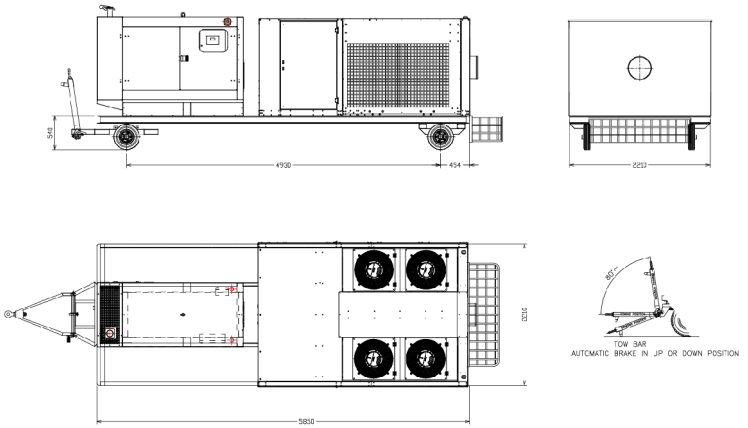
ACDXm

LOW ENVIRONMENTAL IMPACT REFRIGERANT

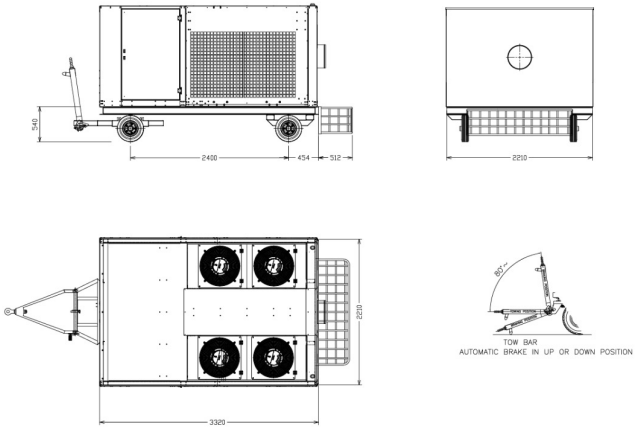
ACDXm-1T (150)



ACDXm-1DET (150)



ACDXm-2/3T (210-250)



ACDXm-2/3DET (210-250)

