TECHNICAL DATA

ACDX

Model		ACDX-1	ACDX-2	ACDX-3
Nominal Cooling Capacity	[tons]	60	90	120
Nominal air flow	[kg/min]	150	210	210
Air flow range		60-100%		
Air pressure at unit exhaust	[Pa]	8000	10000	10000
Blower motor nominal power	[kW]	37	45	55
Number of cooling stages		2	3	4
Standard refrigerant		R410A		
Optional low GWP refrigerant		R32/R454C/R1234ze		
Power supply	[V/ph/Hz]	380/420 - 3 - 50/60 Hz		
Working temperature range	[°C]	-15/45		
Max input electrical power cooling	[kW]	90	115	162
Air outlet temperature	[°C]	+2/-4 (*)		
Electrical heating capacity	[kW]	60/90	90/120	120
Max input power heating	[kW]	85	130	160
Noise level	[dB(A)]	85 dbA at 4,6 m		

(*) not stable during defrost operation

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ATES ITALIANA

COMPLETE RANGE OF GROUND SUPPORT EQUIPMENT



ACDX

DIRECT EXPANSION PCA

DS_ACDX_00

MAIN FEATURES

ACDX

ATES Direct Expansion PCA are self-contained units electric powered, automatically controlled, to provide cooled and heated air to parked aircrafts.

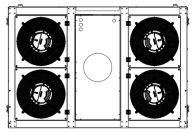
- Light weight Aluminium version (PBB retrofit)
- All electrical motors are optionally controlled via inverter as well as the axial fans are equipped with continuous air flow control
- From 2 to 4 independent cooling stages to cool down the air up to -4°C
- Efficient air filtration
- Efficient water condensation system
- Higher EER and lower noise due to continuous control
- Optional heat pump function
- Ready to be used with R32, R454B, R1234ze
- 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
- Cabin temperature probe
- Smoke detector
- Efficient condensate water pumps system
- MODBUS RS485/Ethernet supervision system
- Automatic aircraft class selection
- Condenser air top expulsion (optional)
- Remote control box (optional)
- 480 V, 60 Hz electrical feed (optional)

CODES AND STANDARDS

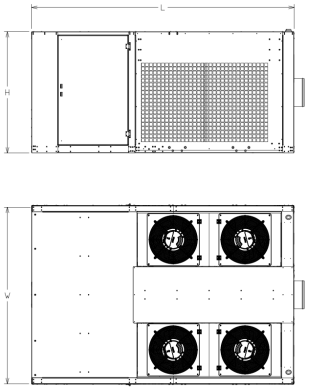
Machine Directive	2006/42/UE
Electromagnetic Compatibility Directive (EMC)	2014/30/UE
Radio Equipment Directive	2014/53/UE
Safety	EN 12100-1 and 2
Electrical safety	EN 60204-1

LOW ENVIRONMENTAL IMPACT REFRIGERANT

ACDX-1

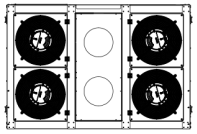


CONDENSER FAN ON LATERAL SIDE FOR UNDER BRIDGE INSTALLATION

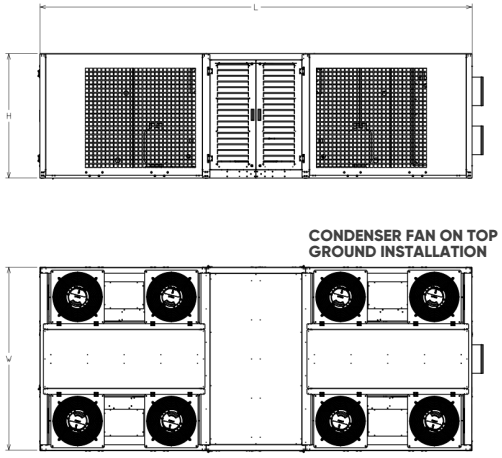


CONDENSER FAN ON TOP FOR GROUND INSTALLATION

ACDX-2/3



CONDENSER FAN ON LATERAL SIDE FOR UNDER BRIDGE INSTALLATION



CONDENSER FAN ON TOP FOR GROUND INSTALLATION

	ACDX-1	ACDX-2	ACDX-3
Length	3500 mm	5200 mm	5200 mm
Width	2230 mm	2230 mm	2230 mm
Height (with foot)	1500 mm	1500 mm	1500 mm
Weight	3400 kg	4200 kg	4700 kg