TECHNICAL DATA

ACWDX

Model		ACWDX-1	ACWDX-2	ACWDX-3
Nominal air flow	[kg/min]	150	210	250
Air flow range		60-100%		
Air pressure at unit exhaust	[Pa]	8.000	10.000	10.000
Blower motor power	[kW]	37	45	55
Number of DX cooling stages		1	2	2
Number of chilled water stages		1	1	1
Standard refrigerant		R410A		
optional low GWP refrigerant Refrigerant		R32/R454C/R1234ze		
Design summer ambient conditions	[°C/R.H.]	32/50		
Power supply	[V/ph/Hz]	380/420 - 3 - 50/60 Hz		
Design winter ambient conditions	[°C/R.H.]	-10/90		
Working temperature range	[°C]	-15/50		
Water flow	[l/min]	350	450	680
Water inlet temperature	[°C]	7		
Water outlet temperature	[°C]	17		
Water pressure loss	[bar]	2		
Maximum input electrical power	[kW]	49	75	134
EER in cooling mode		3,8	3,3	3,2
Air outlet temperature	[°C]	+2/-4 (*)		
Numbers of electric heating stages		2	3	3
Electrical heating capacity	[kW]	60	90	90/120
Maximum input electrical power heating	[kW]	80	135	130/160
Noise level	[dB(A)]	75 dbA at 4,6 m		
(*) not stable during defrost operation				

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ATES ITALIANA

COMPLETE RANGE OF GROUND SUPPORT EQUIPMENT



ACWDX

HYBRID PCA

MAIN FEATURES

ACWDX

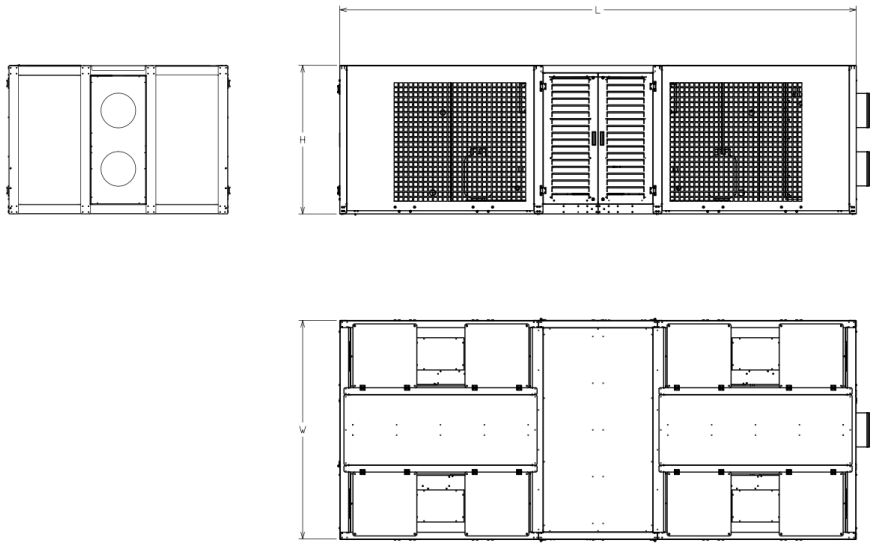
ATES Hybrid PCA are self-contained units electric powered, automatically controlled, to provide cooled and heated air to parked aircrafts.

- Chilled water pre-cooling and dehumidification
- Independent direct expansion water cooled stages
- Efficient air filtration
- Efficient pump discharge for water condensation
- High EER coefficient and low noise, compared with equivalent air to air PCA units
- Well performing in extreme climatic area compared to air to air direct expansion technologyDigital control with PLC
- High ERR coefficient with inverter control
- VFD on compressors
- Main blower air flow inverter controlled
- Standard refrigerant R410A or HFO R513A as option
- Ready to be used with R32, R454B, R1234ze
- Cabin temperature probe
- Smoke detector
- Efficient condensate water pumps system
- MODBUS RS485/Ethernet supervision system
- Automatic aircraft class selection
- Water booster pump (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



AIR OUTLETS AVAILABLE:
1 x 14"
1 X 18"
2 X 14"

	ACWDX-1	ACWDX-2	ACWDX-3
Length	5200 mm	5200 mm	5200 mm
Width	2230 mm	2230 mm	2230 mm
Height (with foot)	1500 mm	1500 mm	1500 mm
Weight	4400 kg	4500 kg	5000 kg