



CONTINENTAL & TROPICAL CLIMATES AIR CONDITIONING UNIT (ACU) 65RT, 120RT & 150RT NARROW & WIDE BODY AIRCRAFT **GSE**

CCA specially devoted to design 65RT, 120RT & 150RT types of ACU for narrow & wide body civil aircrafts in continental and tropical climates. These units make possibly to meet the requirements in the cockpit and cabin during pre-flight operations, boarding and maintenance.

CCA is the only factory that designs and manufactures mobile air conditioning series products over the world with 20-years production and service experience. We all firmly believes that the professional people do the professional things.



► ADVANTAGES

Construction

- The latest technology, generator and engine driving.
- 4-5 independent refrigerant systems, sufficient cooling air.
- Fast output speed, strong wind pressure.
- Corrosion resistance, complete stainless-steel No.201 & No.304 material with powder coat painting.
- The world using components & parts, with reliable quality.
- Auto super-fine-powder fire extinguisher in engine cabinet.

Service

- Spare parts with competitive price and 1-4 weeks fast delivery period.
- Copeland scroll maintenance-free closed-compressors adopted.
- Remote monitoring and fast-response trouble shooting service.
- 24 hours, all year around, technical, operation and service supports.

Operation

- One-click start and one-click stop.
- Alarm information and every component's working status visualization on the operation panel.
- The ability of multiple frequency and 8 hours continuous use.
- Low noise and low emission level on the ground.

Others

- Heating function.
- Ambient temperature over 50°C.
- Plug-in electricity as power.
- Versatility.



TECHNICAL DATA SHEET

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Item	Parameter Rating	Technical Specification			
Performance	Brand	CCA			
	Model	CCA210	CCA420	CCA530	
	Function	Cooling, Heating(Optional), Ventilation			
	Standard	IATA AHM 904/905/910/913/914/915/974/968			
	Adapted Aircraft Type	Aircraft A320,B737, etc.	Aircraft A350,B787,etc.	Aircraft B747,etc. (2 units for Aircraft A380)	
	Refrigerant	R407c			
	Cooling Capacity	65 TON/RT (226Kw)	120 TON/RT (420Kw)	150 TON/RT (530Kw)	
	Heating Capacity (Option)	90 Kw	200 Kw	200 Kw	
	Driving Mode	Engine and generator			
	Air Flow		4,000 ~ 9,000 m3/h	6,000 ~ 13,000 m3/h	8,000 ~ 15,000 m3/h
			176.3 ~ 400.0 lb/min	264.5 ~ 573.1 lb/min	352.8 ~ 661.5 lb/min
			80.67 ~ 181.5 kg/min	129.3 ~ 262.17 kg/min	161.3 ~ 302.5 kg/min
	Air Pressure	5.5~9 Kpa	5.5~10 Kpa	5.5~12 Kpa	
	Air Temperature		Cooling: 1~5°C		
			Heating: 40~60°C (Option)		
	Noise	<82dB@4.5m away	<83dB@4.5m away	<85dB@4.5m away	
	Air Outlet Quantity	1	2	2	
	Dimension (Truck)	7,335x2,460x2,750 (mm)	7,960x2,460x3,020 (mm)	8,160x2,460x3,020 (mm)	
	Dimension (Trailer)	6,345x2,460x2,730 (mm)	6,660x2,460x2,850 (mm)	6,860x2,460x2,850 (mm)	
	Weight (Truck)	9,400 kg	12,600 kg	13,500 kg	
Weight (Trailer)	7,500 kg	8,900 kg	9,200 kg		
Fuel Tank Capacity	320 L, ≥8h	430 L, ≥10h	430 L, ≥8h		
Engine	Brand	FPT(IVECO)			
	Country	Italian brand, OEM in China			
	Type	6 cylinders water-cooled in line with turbocharging and charge air cooling			
	Emission	Tier 3/Stage 3A	Tier 3/Stage 3A Tier 4F/Stage 5	Tier 3/Stage 3A Tier 4F/Stage 5	
Generator	Brand	Marathon			
Compressor	Brand	Copeland			
	Compressor Type	Scroll compressor			
Blower	Type	Low noise centrifugal			
Condenser	Material	Made of copper tubes and aluminum fins			
Evaporator	Material	Made of copper tubes and aluminum fins			
Expansion Valve	Brand	DANFOSS			
Control	Brand	CAREL			
	Control Type	Programmable logic controller (PLC)			
Air Ducting/Hose	Inner Diameter	φ310 ~ 210 mm	φ355 ~ 210 mm		
	Length	10m(30ft)/ 12m(40ft)/ 15m(50ft)			
	Material	Thermal insulation vinyl			
	Color	Yellow			
	Quantity	1	2	2	
Air Coupler	Material	Stainless Steel/Plastic			
Truck Mounted	Brand/Model	ISUZU/FTR			
Heating	Type	Electrical heating (PTC)			