



PBB/Ground Mounted PCA



Mobile version



Air Boost Unit

INTRODUCTION:

With the rapid development of the airport and aviation technology, the volume of passenger traffic in the airport is increasing quickly, and the flight volume has been greatly increased every year. Providing comfortable cabin temperature and reducing carbon emissions from airports are our main objectives. As the latest rising enterprise in the aviation market, TOC has a unique experience in air conditioning design and manufacture, and has a full experience of the actual user needs.

The TOC PCAs' full working condition design concept meets the requirements of aircraft cooling in different regions and different environmental conditions. Via the combination of models, it grants a reasonable downward compatibility, and also can fully meet the needs of the largest code F aircraft.

MAIN COMPONENTS:

Copeland Compressor	Danfoss Thermal expansion valve
Multi-wing Axial Fan	CSCG or ZIEHL-ABEGG Centrifugal blower
Siemens PLC Control	Siemens Condenser Motor
TOC Evaporator	Emerson flow control package
Schneider Electric Components	

ADVANTAGES:

- Performance Guarantee
- 100% Fresh air down to -5°C
- Multi-stage refrigeration, automatic identification of working conditions
- Relative humidity 0-95%, FULL WEATHER CONDITION DESIGN
- Intelligent Human-Computer Interface
- The full range of PCA product covers all models of plane
- Special air distributor, uniform air outlet
- Strong ventilation makes PCA hose bending no longer a problem
- Part modular design, repair and maintenance friendly
- Robust design, very low failure rate, operation cost saving
- Available for separate air boost unit

(Business Registration No: 199400661M)

TECHNICAL CHARACTERISTICS:

Description	Technical Characteristics				
Type:	T-60	T-75	T-90	T-120	T-150
Installation	PBB/GROUND + MOBILE			GROUND + MOBILE	
Input Power (Kw)	90	115	168	168	200
Compressor	Copeland Scroll Compressor				
Refrigerant	R410A				
Air Flow (Kg/s)	1.9	2.5	2.7	4.0	5.2
Cooling Capacity (Kw)	210	260	315	420	525
Static Pressure (Pa)	≤10K			≤16K	
Heating (Kw)	According to Customized Request				
Centrifugal Fan Power (Kw)	22	30	37	37*2	45*2
Noise (db.)	≤85				
Output Temperature (°C)	-5~2				
Dimension (mm)	4200*2300*1680			4900*2300*1680	6000m*2300*1680
Weight (Kg)	2700	3200	3500	4200	5500

