

JetAire® 75 Ton, 100 Ton and 120 Ton Pre-conditioned Air Units



JBT AeroTech

An Oshkosh Corporation Company

JETWAY SYSTEMS®
For the Perfect Turn

Jetaire® 75, 100 and 120 Ton Pre-conditioned Air Units Technical Specifications

Design Elements

Jetaire® 75 - 120 Ton units are ideal for all aircraft ranging from Commuter to Jumbo sized aircraft. These units all fit in the same frame size and share many common components. They can be bridge or stand-mounted and benefit the user through reduced pollution, fuel savings and less equipment on the ramp. The "on-demand" technology allows for long continuous operating periods without defrost requirements in most climates while reducing power consumption.

Features / Benefits

- Energy Efficiency
- Consistent Temperature
- Reliability
- Reduced Noise
- Human Machine Interface (MHMI) Screen with Intuitive Operating Controls
- Remote Wireless Data Access
- Heat Mode: Reverse cycle system, which is more efficient than electrical heater element, is used to create enough heat. During the coldest day, the reverse cycle is supported by heating element.

Electrical

Unit	75 Ton	100 Ton	120 Ton
Voltage	480/60/3	480/60/3	480/60/3
Blower Size	50 HP	75 HP	75 HP
Heater Size	108/72 kW	108/72 kW	144/108/72 kW
*RLA	205 Amps	223 Amps	285 Amps
*Unit Breaker	250 Amps	350 Amps	350 Amps

*Values are calculated using ARI conditions and are not to be used for construction. Values are for reference purposes only.

*Values for 400 Volt/50 Hertz/3 Phase and 380 Volt/60 Hertz/3 Phase are available. Please contact an AeroTech Sales Representative.

Dimensions/Weight

Unit	75 Ton	100 Ton	120 Ton
Length*	205 in (521 cm)	205 in (521 cm)	205 in (521 cm)
Width*	88 in (225 cm)	88 in (225 cm)	88 in (225 cm)
Height	59 in (149.9 cm)	59 in (149.9 cm)	59 in (149.9 cm)
Weight	8750 - lbs	9250 - lbs	9500 - lbs
Sound Level	85 dBA @ 15 ft (4.57 m)	85 dBA @ 15 ft (4.57 m)	85 dBA @ 15 ft (4.57 m)

* Doesn't include condenser fan and outlet tube.

Design Ambient

Unit	75 Ton / 100 Ton / 120 Ton
Humid - Dry Bulb	97° F (36° C)
Humid - Wet Bulb	77° F (25° C)
Dry - Dry Bulb	110° F (43.3° C)
Dry - Wet Bulb	68° F (20° C)



Operational Performance

- Standard Airflow:
 - 75 Ton: 390 lb/min @ 22" WC
 - 100 Ton: 550 lb/min @ 35" WC
 - 120 Ton: 587 lb/min @ 35" WC
- Max Airflow: 650 lb/min
- Max Pressure: 35"
- Cooling Temperature: 25° F (-3.8° C) to 60° F (15.6° C)
- Heating Temperature: 80° F (26.7° C) to 130° F (54.4° C)

Optional Equipment

- Apron Management System (AMS) Interface (Modbus TCP standard, other optional)
- Single, Dual or Triple outlet (bridge/pre-cool)
- An X-treme weather condition unit is also available (LJX) in all sizes
- Pre-arrival and Pre-departure air conditioning (with bridge cool feature option) – for instant cool air to the aircraft upon docking
- Aircraft Cabin and / or Bridge Temperature Probes
- Boarding Bridge Cooling and Heating capability and controls
- Hose Storage/Deployment Systems
- Delivery Hose (style and/or length) and Aircraft Couplings
- Configuration to service regional jets, narrow, wide body, and jumbo aircraft

This information is provided for reference only and should not be used as technical specification data. This information may change without notice. Please contact an AeroTech sales office for formal technical information.