



Boeing BBJ737
product sheet



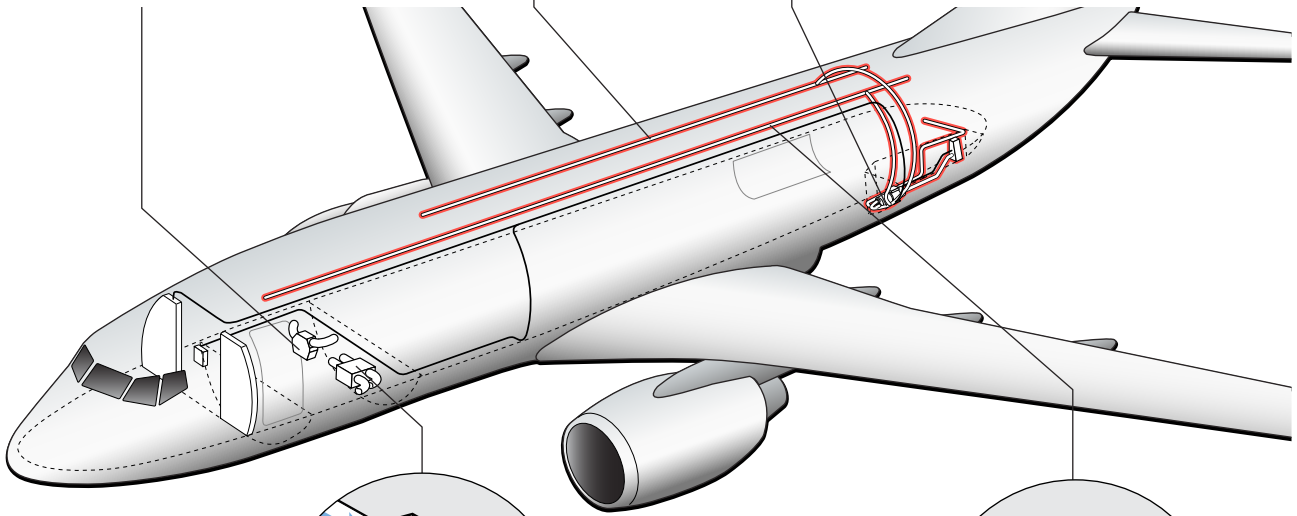
CTT'S CAIR™ SYSTEM

Typical BBJ 737 Installation

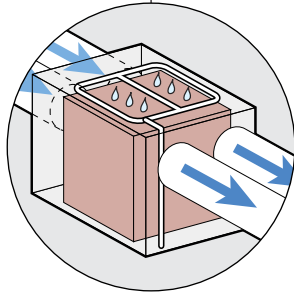
2 Humidifiers installed in the air distribution ducts close to the ECS Mixing Chamber

Piccolo Ducting system (dry air distribution)

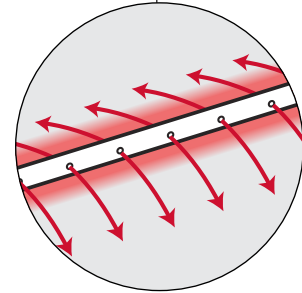
Zonal Dryer™ with Inlet Air Filter



The air passes through the integrated humidifiers and is being led out in the cabin via existing ECS air system



The dried air is distributed evenly in the Crown Area via a light weight Piccolo Ducting system



Total Weight Zonal Drying System, 41 kg/90lbs
Total Weight Humidification System 34 kg/75 lbs

Average water consumption Zone 1 & Zone 2 (typical first/business class areas) is 14 l/h

COLD EVAPORATION PRINCIPLE SIMPLE AND DIRECT

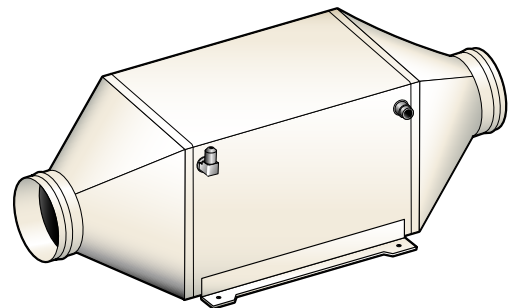
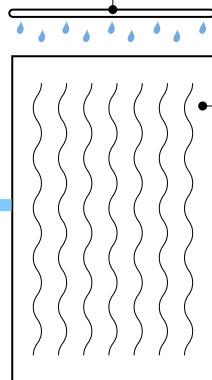
Fresh water from the potable water system is distributed over a GlasDek* pad

GlasDek* pad of highly absorbent cross flow material

Humid air stream into the cabin

Dry ECS air stream

Water present in GlasDek* pad evaporates by the dry air stream

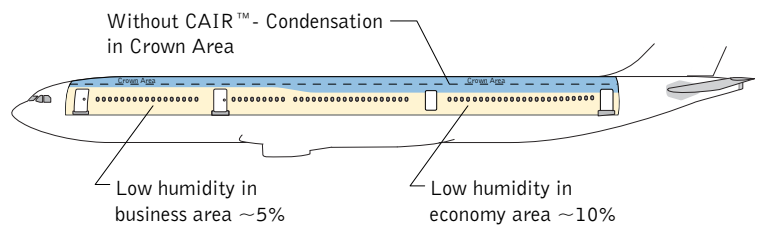
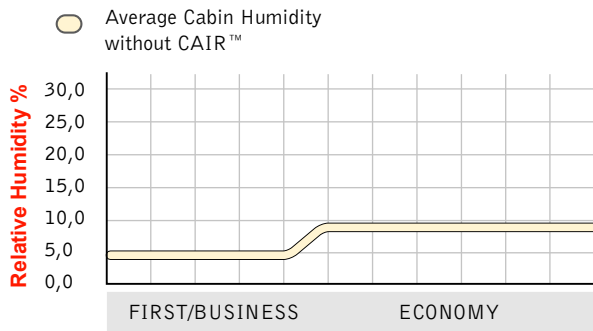


Typical Cabin Humidifier



*GlasDek material by Munters

WHY INCREASED CABIN HUMIDITY?



THE DRY FACTS

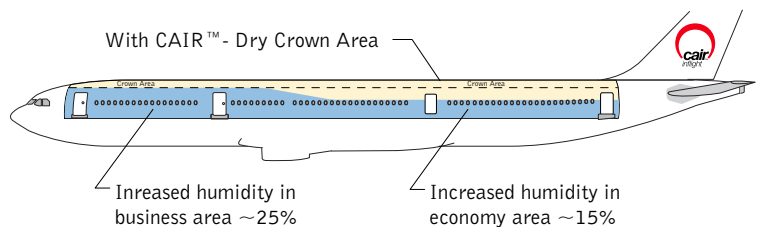
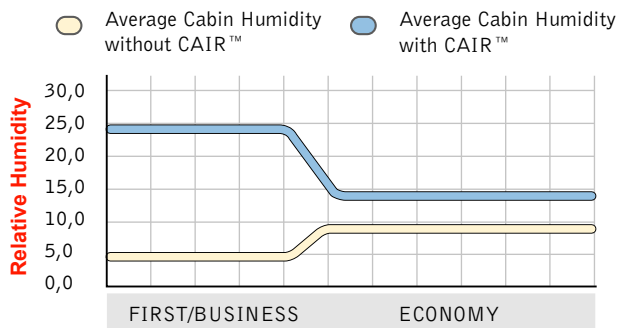
Most passengers on long-haul flights experience

- Cold symptoms
- Sore throat, dry skin
- Dryness in mouth, nose and eyes
- Jet-lag/ Increased fatigue
- General uncomfortable feeling



Medical experts and specifications for in-house air quality (ASHRAE), recommends 20% relative humidity as the lowest acceptable level.

THIS IS WHY



THIS IS WHY

Increased cabin humidity will reduce many of the discomforts and lower the risk of getting airborne infections

- Passengers and crew will feel better
- Passengers will experience a more relaxed and comfortable flight
- The sleep will be better
- The food and wine will taste better
- The risk for airborne infections are lowered

A very important factor for well-being and comfort. Limited modification work necessary. Cost comparable to 1-2 business class seats.



CTT provides systems for humidity control in aircraft. CTT Systems' offers the Zonal Drying™ System, and the Cair™ System. The Zonal Drying™ System eliminates condensation on the aircraft structure and is installed in many aircraft in use today. The Cair™ System provides humidification of the extremely dry first and business class cabins without condensation in long haul aircraft. CTT's Customers include Boeing, Airbus, Bombardier and many airlines, along with partnerships with Lufthansa Technik. CTT Systems AB is located in Nyköping, Sweden and listed on the O-list of Stockholm stock exchange.

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