



# CONDIÇÃO ESPECIAL

CE/SC nº 23 – 004

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**Título:** **Condição Especial Aplicável ao Sistema de Ventilação**

**Title:** **Special Condition for Ventilation System**

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**Aprovação:** Resolução nº 121, de 25 de novembro de 2009, publicada no Diário Oficial da União nº 227, p. 90, de 27/11/2009

**Origem:** SAR

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## APLICABILIDADE

Esta condição especial se aplica ao sistema de ventilação do avião Embraer EMB-505.

## CONDIÇÃO ESPECIAL

Esta condição especial complementa a seção 23.831 do RBHA 23, emenda 23-55.

### “§ SC 23-004 Special Condition for Ventilation System.

In addition to the current RBHA 23.831 ANAC considers the special condition as follows:

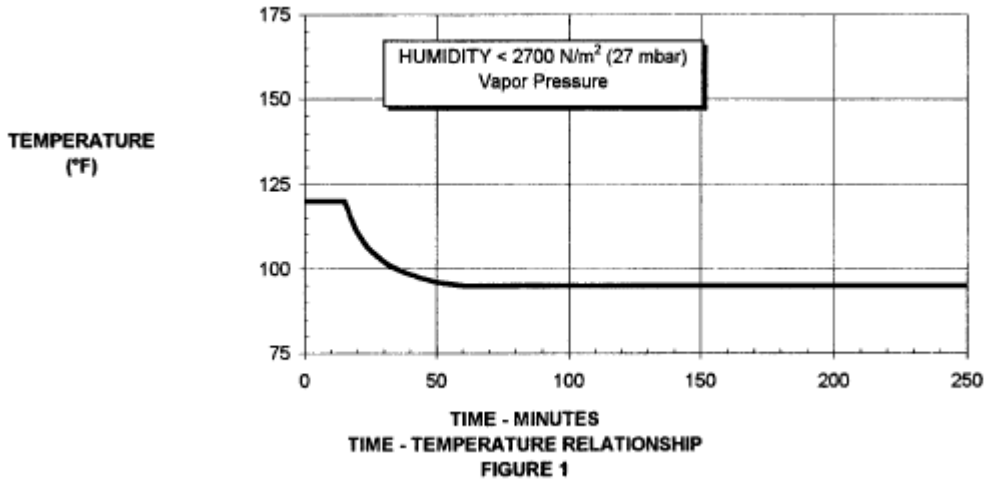
#### 1. Ventilation

In addition to the requirements of RBHA 23.831(b), the ventilation system must be designed to provide a sufficient amount of uncontaminated air to enable the crewmembers to perform their duties without undue discomfort or fatigue and to provide reasonable passenger comfort during normal operating conditions and in the event of any probable failure of any system that could adversely affect the cabin ventilating air. For normal operations, crewmembers and passengers must be provided with at least 10 cubic feet of fresh air per minute per person, or the equivalent in filtered recirculated air, based on the volume and composition at the corresponding cabin pressure altitude of no more than 8 000 feet.

#### 2. Air Conditioning

In addition to the requirements of RBHA 23.831, the cabin cooling system must be designed to meet the following conditions during flight above 15 000 feet mean sea level (MSL):

- (a) After any probable failure, the cabin temperature/time history may not exceed the values shown in Figure 1.



(b) After any improbable failure, the cabin temperature/time history may not exceed the values shown in Figure 2.

