

## Federal Aviation Regulation

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### ▼Sec. 25.1093

Part 25 AIRWORTHINESS STANDARDS: TRANSPORT CATEGORY AIRPLANES	
Subpart E--Powerplant	Induction System

#### Sec. 25.1093

Induction system deicing and anti-icing provisions.

(a) *Reciprocating engines.* Each reciprocating engine air induction system must have means to prevent and eliminate icing. Unless this is done by other means, it must be shown that, in air free of visible moisture at a temperature of 30° F., each airplane with altitude engines using--

(1) Conventional venturi carburetors has a preheater that can provide a heat rise of 120° F. with the engine at 60 percent of maximum continuous power; or

(2) Carburetors tending to reduce the probability of ice formation has a preheater that can provide a heat rise of 100° F. with the engine at 60 percent of maximum continuous power.

(b) *Turbine engines.* Each turbine engine must be able to operate throughout its flight power range without adverse effect on engine operation or serious loss of power or thrust, under the icing conditions specified in Appendix C. In addition, there must be means to indicate to appropriate flight crewmembers the functioning of the powerplant ice protection system.