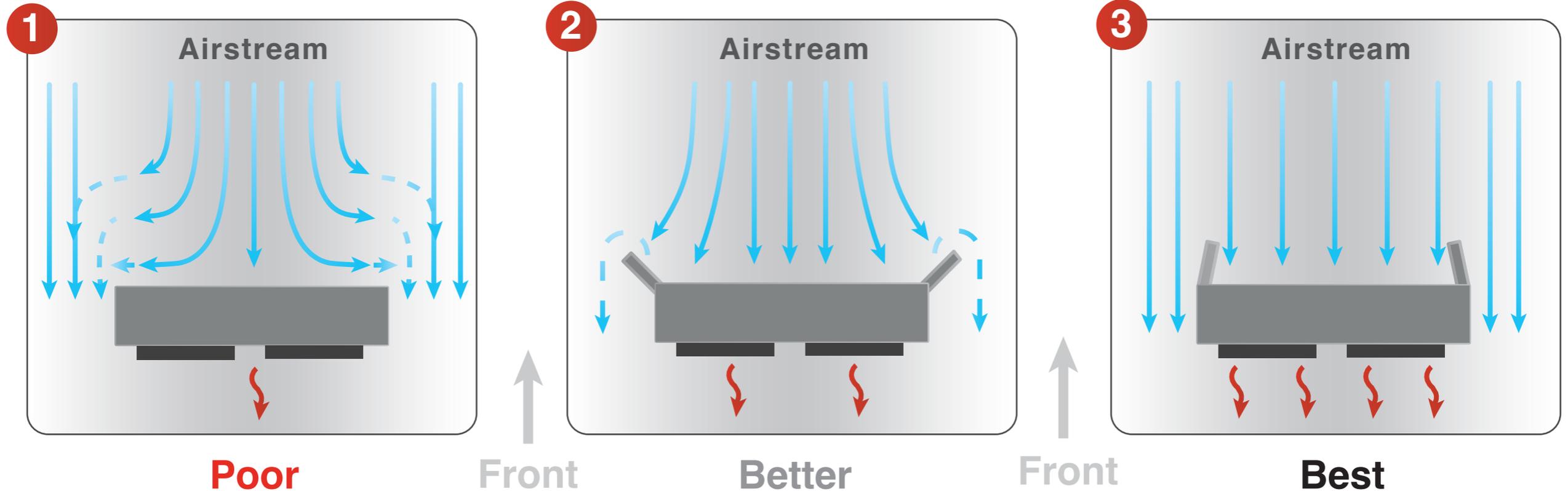


Radiator Inlet Duct Design

Make the Radiator Work!



1. At speed, incoming ram air flow is higher than the radiator can flow and is looking for someplace to go. Air will take the path of least resistance. Diagram 1 shows without duct work, most of the incoming air will slide around the radiator, giving poor cooling performance.

2. Shown in Diagram 2, duct work that is angled out allows the air at the perimeter to reverse and go around the radiator. The air flow in the center of the radiator is better than no duct work, but cooling performance is being lost.

3. In Diagram 3 the duct work is angled in slightly. This traps the incoming air in the front of the radiator core to only go through the radiator which promotes maximum cooling efficiency from the radiator.