

Case Study: ENTRANCES and VESTIBULES



Situation:

Cold, wet entrances are a nuisance to supermarkets and retail stores, as constant mopping becomes a necessity to protect the safety of customers. As a solutions provider for supermarkets, Air-Row Fans developed its DA-248 product as a way to resolve these problems.

Solutions from Air-Row Fans:

Air-Row Fans' powerful "lay-in" fan, the LA-248, produces successful air movement results in buildings with suspended or grid ceilings. A variation of the LA product, the new DA-248, brings an even more powerful solution in warming and drying floors. The new DA-248 fans attach directly to duct work, making for a versatile solution for correcting air movement issues anywhere.

In recent applications at traditional 20,000 square-foot supermarkets, the installation of LA and DA fans was successful in reversing the entrances' cold temperatures and warming and drying floors. The fan solution raised floor temperatures up to 68° and reduced temperature differentials from 15° down to 4°.

Beyond vestibule entrances, the DA-248 helps to:

- Achieve zonal balances
- Address open-coffin, multi-deck aisles
- Augment starving long-runs



Air-Row Fans' LA-248 (right) and DA-248 (above) have been successful in warming and drying vestibule entrances and cold refrigerated aisles.



Before Air-Row Fans:	
Ceiling Temp	74°
Floor Temp	59°
Differential	15 degrees



After Air-Row Fans:	
Ceiling Temp	72°
Floor Temp	68°
Differential	4 degrees