



## BIG Building, BIG Doors, GREAT Protection with Powered Aire Curtains

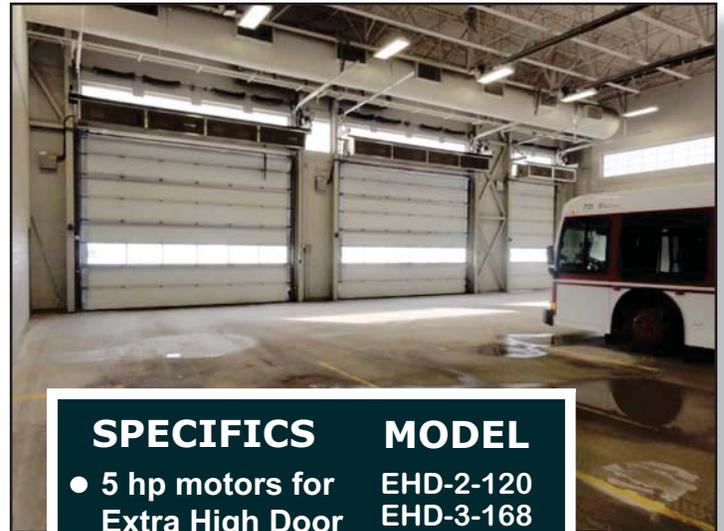
Sure, it gets plenty cold in Alberta, Canada, but that wasn't the only issue that prompted the City of Red Deer to install air curtains manufactured by Powered Aire Inc. at its newly built Civic Yard facilities. The opportunity to purchase a quality product that met two unique specifications at a competitive price was also an attractive incentive.

The city's transit line is one of several departments located at the Civic Yard, where it takes thousands of square feet to house, clean, wash and maintain a fleet of city buses under one roof. The facility is heated to facilitate all these operations, since outside temperatures range from -40 to +30 F on a typical Red Deer fall, winter or spring day, with winds to match.

The facility's large, sectional doors were powerless to prevent infiltration of the outside elements or maintain inside temperature. The city turned to air curtains to solve the problem and Powered Aire's clean, high performance stainless steel design was preferred over the specified manufacturer.

A series of studies was conducted by Powered Aire's highly trained staff, taking into account wind measurements, temperature and site conditions. The results were relayed to Powered Aire's engineering department, which utilized its state-of-the-art Computational Fluid Dynamics (CFD) design software to determine the specific feet per minute (FPM), cubic feet per minute (CFM) and nozzle width required for maximum all-season effectiveness. Powered Aire also met two additional specifications by providing units lined with insulation, and blowers protected with a corrosion-resistant coating of Heresite.

A collaborative effort between the City of Red Deer and its engineering firm, and Powered Aire's sales representative and engineering department is credited with calculating, designing and manufacturing the custom air curtains needed to bring this project to a successful conclusion.



### SPECIFICS

- 5 hp motors for Extra High Door applications

### MODEL

EHD-2-120  
EHD-3-168  
EHD-3-192  
EHD-4-240

- 1-in. insulation
- Heresite coated blowers for bus wash environment



### ATTENTION ENGINEERS, ARCHITECTS AND SPECIFIERS

Powered Aire is pleased to promote the 'Green Movement' by offering its complete product catalog, CSI specifications, and selection and cost savings programs on a small, convenient flash drive. Reply to this e-mail or call to request one. Also, we still have binders available for those who prefer a hard copy.

