



# POWERED AIRE INC.

www.poweredaire.com

109 Mortensen Road  
Greenville, PA 16125

Phone: 724-588-3305  
Fax: 724-588-3371

## SUGGESTED AIRE CURTAIN SPECIFICATIONS MODEL CED

All aire curtains furnished are complete factory assembled units as manufactured by Powered Aire Inc. Greenville, PA. Each unit consists of a stainless steel casing, centrifugal fans, raised stainless steel inlet screen, discharge nozzle, motor(s), and an optional 1/2 inch recleanable filter. The aire curtain unit provides a specific CFM and a uniform velocity across the entire length of the discharge area.

Units shall be furnished in single increments of sufficient structural strength to be supported from both ends without intermediate support. Multiple units shall not be permitted. Unit casing shall be a minimum of 18 gauge 304 stainless steel in a number three finish.

Motors at 1/2 H.P. 1075 rpm each shall be heavy duty type equipped with permanently lubricated, shielded ball bearings of equal size at each end and double extended shafts requiring no outboard bearings. Primary motor voltage shall be 115/208/230/480/575 volts 50/60 Hz single phase.

Galvanized fans shall be forward curved centrifugal type, double inlet design, with zinc plated hubs. Tangential type blowers and coupling connection shall not be permitted. Inlet screen shall be perforated stainless steel powder coated black.

Discharge nozzle shall be high efficiency discharge plenum, designed so that the air leaves on a 6 degree plane. Aire curtain creates a positive air seal with directional air foil vane. The vane shall facilitate deflection of air stream  $\pm 20$  degrees. Unit shall have multiple speed motor(s) to control air volume down from maximum speed.

### Electric Heat Option

Unit(s) shall be provided with a factory mounted electric heating element (capacities as shown on data sheet). The heater shall consist of a factory wired heating coil, with automatic reset thermal overloads. Heating elements shall be mounted inside the plenum, on the discharge side of the blowers (where heat can't affect motor life). Protective screening will not be required on discharge nozzle. A remote or factory mounted heat on/off switch and thermostat available, please specify.

### Steam / Hot Water Coil

For steam or hot water heated aire curtains see Hot Water / Steam Heated section of catalog.

Consult factory for optional top air intake.

Aire Curtain unit shall be ETL or UL listed. Unheated units shall have a 24 month warranty on all parts. Heated units shall have an 18 month warranty on all parts.

April, 2005