



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 TIG INDIRECT GAS FIRED

All aire curtains furnished are complete factory assembled units as manufactured by Powered Aire Inc. Greenville, PA. Each unit consists of casing, motors, centrifugal fans, and discharge nozzle. Aire curtains will be equipped with access panels for motor and fan assembly. Individual motor and fan assembly can be removed without lowering the unit or lowering the bottom half of the unit. The aire curtain unit provides a specific CFM and a uniform velocity across the entire length of the discharge area through the use of a plenum.

All weight bearing structural support will be made of formed 14-gauge stainless steel and galvanized steel. Outer casing shall be constructed of 18-gauge stainless steel. Casing will be equipped with stainless steel access panels for inspection, cleaning and removal of motor blower assembly. Internal components shall be welded and bolted construction.

Motors at 3/4 H.P. 1630 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.

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 airfoil vane. The vane shall facilitate deflection of air stream ± 20 degrees.

Indirect Gas Heat

Unit(s) shall be provided with a factory matched indirect gas heater. The heater will be equipped with power exhaust, direct spark ignition, electronic flame supervision, and gas pressure switches. Tubular heat exchangers shall be constructed of aluminized steel. Optional stainless steel heat exchangers are available upon request. Heater to be independently supported 2 inches away from duct transition. Duct transition will be bolted to aire curtain and will need to be supported.

Units shall have an 18 month warranty on all parts.

April, 2005