

**Specifications**

**1. Description and physical characteristics**

* 1. The air curtain frame shall be made of aluminium with steel side panels.

Fans shall be integrated into the steel panels. The noozle plate and the noozles should be made of aluminium.

1.2 The nozzles shall be slightly slanted towards the door. The incline and the configuration of the nozzles shall have

 to be adapted to the dimensions of the door.

1.3 The fans shall be offered in 115 volts or 230 volt single-phase current, and 230 or 575 volt three-phase current.

1.4 The air curtain shall be painted with a TGIC free polyester powder coat. It shall have a smooth surface for easy cleaning. The colour shall be chosen by the architect or the customer.

1.5 The air curtain shall be available vertical or horizontal installation.

**2. Performances**

2.1 The air curtain shall provide a thermal wall allowing for energy savings of up to 70%.

2.2 The air jets shall reach the floor over the entire width of the air curtain with velocities superior to 500 ft / min.

2.3 The fans shall have a factor of protection (norm IP) against foreign object intrusion (minimum 5) and (minimum 4) IP54 water resistance.

2.4 The air curtain shall have an indicator light to confirm the operation of each of the fans.

2.5 Each fan shall be equiped with internal thermal protection, as well as protection against surcharges with a

 manual reinitialization.

**3. Control**

3.1 The air curtain shall be equiped with a magnetized switch (automatic opening/closing of the door) supplied

 by the manufacturer.

3.2 The control panel shall be equiped with a selection switch for manual, automatic or stop mode.

3.3 Optionnally, the air curtain shall be available with a variable speed drive.

**4. Accreditation**

4.1 The air curtain shall be approved accordind to the CSA C22.2 No113 Fans and Ventilators or ANSI/UL according

 to UL 507 Standard for Safety Electric Fans.

**5. Quality required: NAD Klima, air curtain NAC**