



## ENERSHIELD Air Barriers

Specializing in Energy Management Climate Control Systems

### Energy Saving Technology

Manufacturing & Design

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## Xtremeshield XS-150 - Air Barrier Specifications

-Max Velocity @ Nozzle 7500 fpm/36,750cfm-Required velocity @ 2' from floor, 900-1100 fpm

**Features:** Cabinet insulated with sound absorbing fiberglass insulation with an acrylic anti-microbial coating, telescopic installation sliders that extend up to 9", 3/16" angle iron wall brackets, 6" full length articulating discharge nozzle adjustable +/- 20 degrees, diffuser is of welded 14 gauge mild steel. Full length 1 3/16" 1045 drive shaft, precision ground steel, with sealed and pre-greased, serviceable pillow block ball bearings at drive end, then every 30" along shaft length. Shaft is driven by a 3B belt drive. All accessory components are powder coated ASA 49. The Air Barrier is standard top air intake. Front intake available upon request. The Air Barrier comes fully assembled.

**Controls:** Remote mounted, lockable NEMA 1 Soft Start Control Panel, 0-7 sec ramp with NEMA 4X photo electric micro switch for automatic activation with door opening and closing. Sensor has a 10m sensing range, and programmable 15 sec off delay. Control panel is equipped with ON/OFF keyed switch, motor overload protection, external overload reset, 120V control circuit.

**Motor(s):** Premium efficiency, 1 @ 20 hp 1800 RPM TEFC/belt drive/cast iron motors @ selected voltage, 3ph, IP55, Double Lip Seal, 1.15 SF, VFD Compatible, Ball Bearings with Exxon Polyrex EM grease, Continuous Duty, NEMA Design B T-256 Frame with double bolt slide base. Suitable for Class 1, Div 2/Zone 2 Group A, B, C & D, T2D.

**Construction:** Welded 1/8" angle iron frame, clad with 20 gauge G.90 galvanized sheet metal fastened with self drilling screws and siliconed to the base frame. Frame is powder coated ASA 49.

**Fans:** 5 galvanized double inlet forward curved blowers, wheels provided with welded 1 3/16" double set screw hubs c/w matched blower housing, 12 7/8" inch diameter. Fans are spaced every 2 1/2' – 10'w = 4 fans. AMCA Class II Capable. Max Wheel RPM-2140.

**Installation Height:** Minimum 18'ft. Maximum 26'ft. (based on balanced air system)

**Available Voltage:** 208-230 / 460 / 575, 3 Phase, 60Hz.

**FLA:** 52 - 47 / 23.5 / 18.8

**Average dB:** Sound level 10 ft in front of the unit in free field is an average of 77-80 dB

**Approx. Weight:** 1,188 lbs/ 540 Kg

**Certification:** Units are to be manufactured and certified by a CSA certified manufacturer with supporting documentation. CWB Certified.