



AIR BARRIERS

ENERSHIELD

ENERGY SAVING BARRIERS

CREATES UP TO A 90% SEAL ON OPEN DOORS USING FACILITY AIR

Xtremeshield XS-300 - Air Barrier Specifications

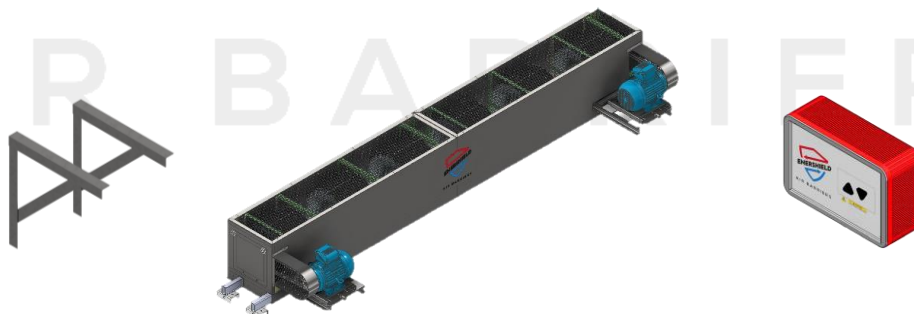
Enershield Air Barriers create an effective seal on the doorway. This is achieved by re-circulating the facility air in a laminar (smooth) flow across an open doorway. In addition, the kinetic energy within the moving air generates a barrier preventing leakage of air between two areas with different pressure and climate.

Features: The unit is powder coated 3mm steel box section frame construction, with 0.9mm sheet metal jacket, lined with closed cell acoustic insulation with antimicrobial and fire-resistant coating. Unit is available with optional RAL painting and stainless steel. The unit is manufactured as a single module with equal placement of blowers. Air barrier is provided with powder coated wall brackets and telescopic sliders.

Operating Characteristics: Top air intake is standard, front intake available on request. External 10-speed controller incorporating photoelectric cell door sensor for automatic activation upon door opening. Controller ready for BMS control. Fully articulated diffuser achieving air projection angle of $\pm 20^\circ$ from normal.

Shipped with full IPPC standard wooden crating. Standard manufacturer's warranty two year, extendable to five years with service contract.

XS-300		
	Metric	Imperial
Cabinet Length	7620 mm	300"
Width x Height	559 x 600 mm	22 x 23.6"
Weight	1080 kg	2375 lbs
Blowers	10	10
Number of Motors	2	2
Voltage	400/690 V, 3 Phase, 50Hz	208/230/460/575 V, 3 Phase, 60 Hz
Total Current FLA	57.4/33.2 A	104/94/48/37.6 A
Total Power	30 kW	40 hp
Noise @ 2m	80 dB	80 dB
Air Velocity at Outlet	38.1 m/s	7,500 fpm
Total Air Volume	28.11 m ³ /s	59,563 cfm
Outlet Velocity Uniformity	95%	95%
Diffuser Angle Limits	$\pm 20^\circ$	$\pm 20^\circ$
Installation Height	8 m Maximum	26' Maximum

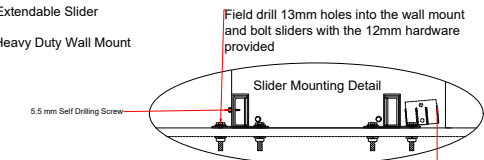
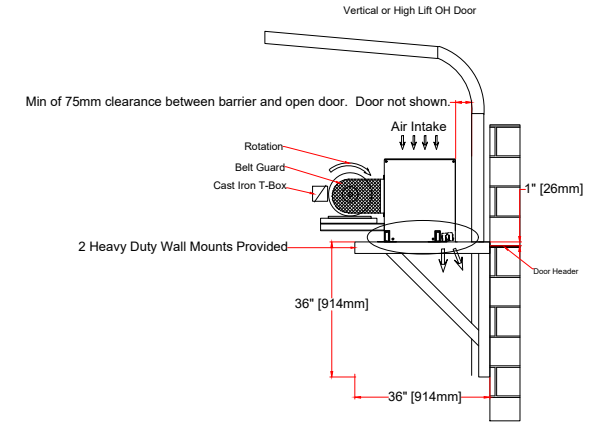
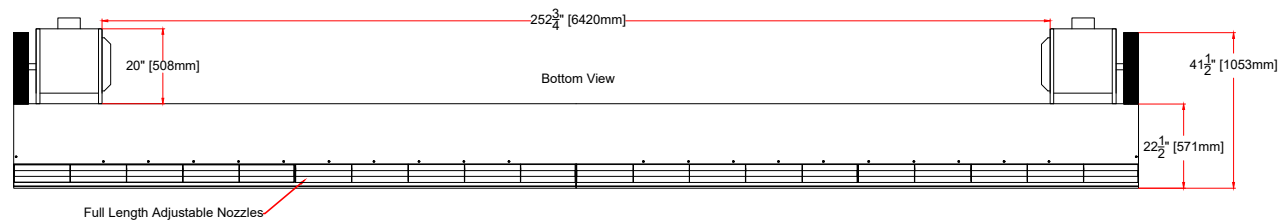
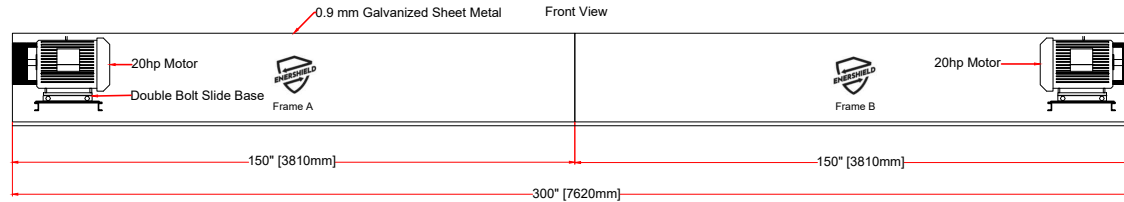
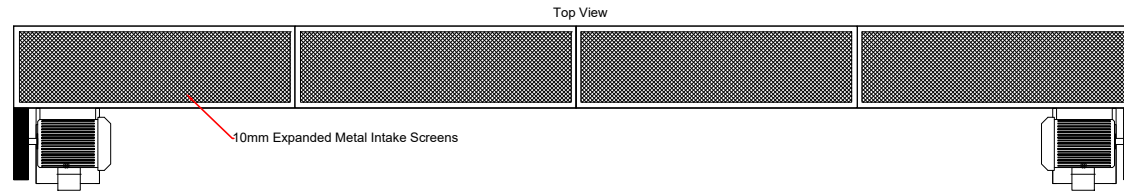


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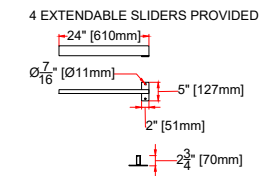


THINK ENERGY, THINK ENVIRONMENT, THINK ENERSHIELD.



Field drill 13mm holes into the wall mount and bolt sliders with the 12mm hardware provided

Adjust the diffuser 5 degrees towards the exterior of the building. Confirm diffuser adjustment after power has been supplied to the Air Barrier. See owners manual.



UKCA + CE CERTIFIED

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ENERSHIELD AIR BARRIER	
Voltage	208 / 230 / 460 / 575 3 Phase 60Hz
Motor (s)	2 @ 20 hp
Amps FLA	104 / 94 / 48 / 37.6
Blowers	10

XTREMESHIELD	XS-300
Air Velocity (fpm) (m/s)	7500 / 38.1
Air Volume (cfm) (m³/s)	59563 / 28.11
Total Power (hp) (Kw)	40 / 30
Weight (lbs) (Kg)	2375 / 1080