



AIR BARRIERS

ENERSHIELD

ENERGY SAVING BARRIERS

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



AIR BARRIERS

Ultrashield US-96 - Air Barrier Specifications

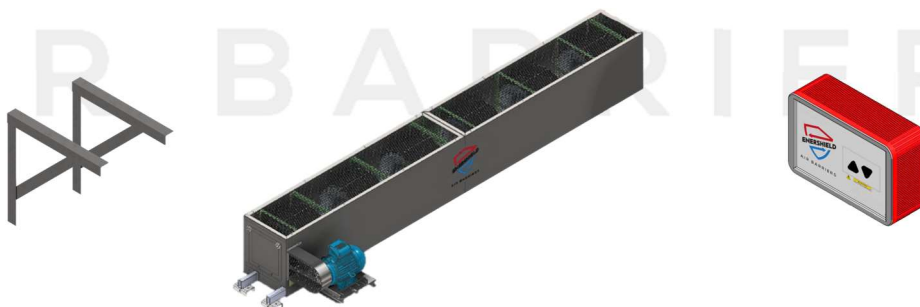
Enershield Air Barriers create an effective seal on the doorway. This is achieved by re-circulating the facility air in a laminar (smooth) flow across an open doorway. In addition, the kinetic energy within the moving air generates a barrier preventing leakage of air between two areas with different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

US-96		
	Metric	Imperial
Cabinet Length	2438 mm	96"
Width x Height	483 x 559 mm	19 x 22"
Weight	290 kg	638 lbs
Blowers	4	
Number of Motors	1	
Voltage	208/460/575 V, 3 Phase, 60 Hz	
Total Current FLA	26.5/12.5/10 A	
Total Power	7.5 kW	10 hp
Noise @ 2m	75 dB	
Air Velocity at Outlet	33m/s	6,500 fpm
Total Air Volume	7.51 m ³ /s	15,900 cfm
Outlet Velocity Uniformity	95%	
Diffuser Angle Limits	$\pm 20^\circ$	
Installation Height	5.4 m Maximum	18' Maximum

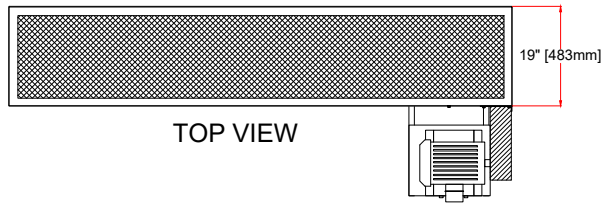


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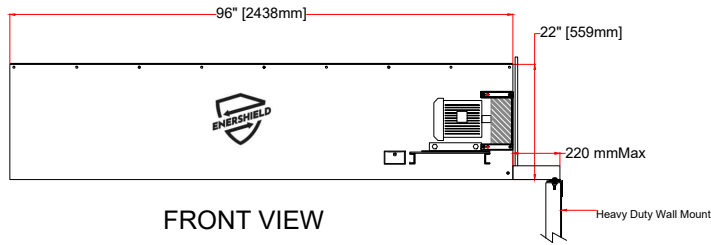
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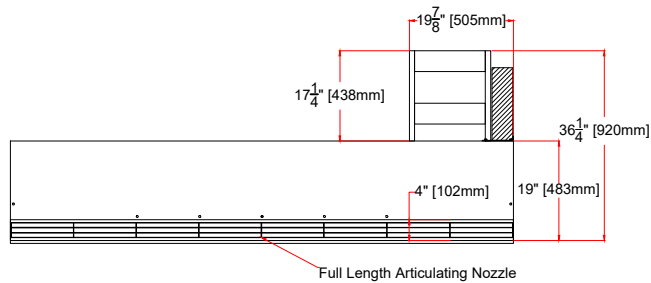
THINK ENERGY, THINK ENVIRONMENT, THINK ENERSHIELD.



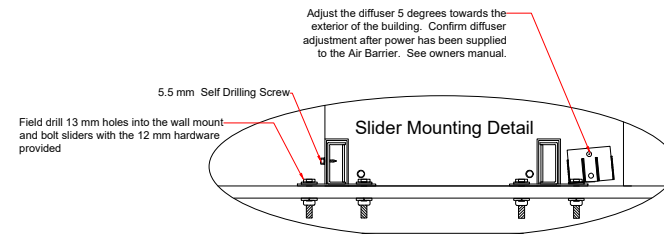
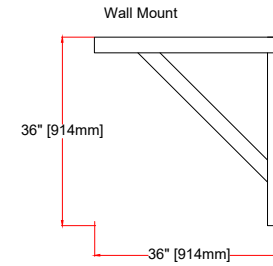
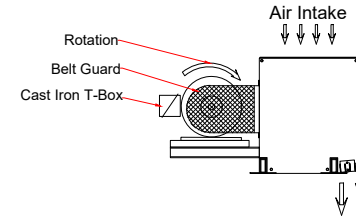
TOP VIEW



FRONT VIEW



BOTTOM VIEW



UKCA + CE CERTIFIED

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ENERSHIELD AIR BARRIER

Voltage	208 / 460 / 575 V 3 Phase 60Hz
Motor (s)	1 @ 6.5kW
Amps FLA	26.5 / 12.5 / 10 A
Blowers	4

ULTRASHIELD

Air Velocity (fpm) (m/s)

Air Volume (cfm) (m³/s)

Total Power (hp) (Kw)

Weight (lbs) (Kg)

US-96

6500 / 33

15,900 / 7.51

10 / 7.5

638 / 290