



AIR BARRIERS

# ENERSHIELD

ENERGY SAVING BARRIERS

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



AIR BARRIERS

## Durashield DS-168 - 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.

DS-168	
Cabinet Length	4267 mm
Width x Height	432 x 508 mm
Weight	318 kg
Blowers	7
Number of Motors	7
Voltage	230 V Single Phase, 50Hz
Total Current FLA	19.8 A
Total Power	2.45 kW
Noise @ 2m	76 dB
Air Velocity at Outlet	22.9 m/s
Total Air Volume	9.33 m <sup>3</sup> /s
Outlet Velocity Uniformity	95%
Diffuser Angle Limits	$\pm 20^\circ$
Installation Height	3 m Maximum

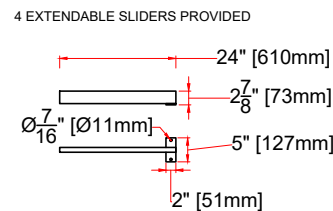
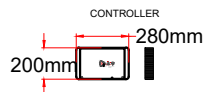
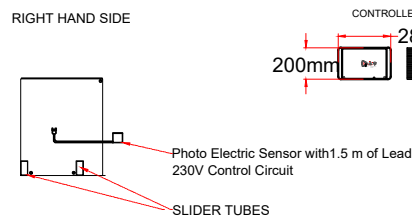
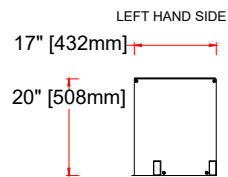
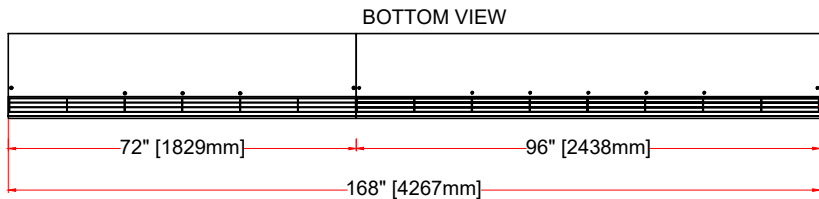
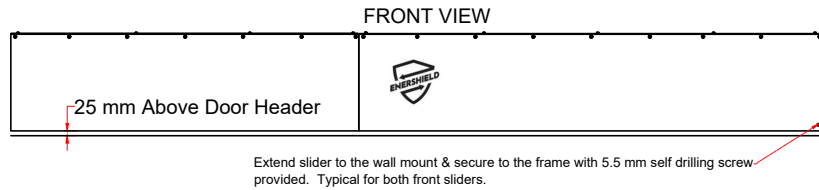
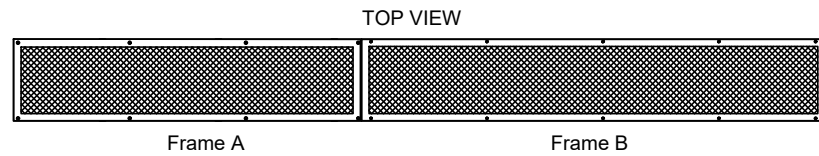


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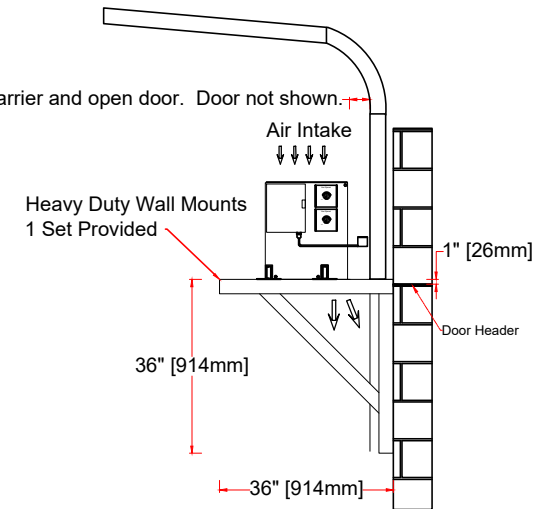


**THINK ENERGY, THINK ENVIRONMENT, THINK ENERSHIELD.**



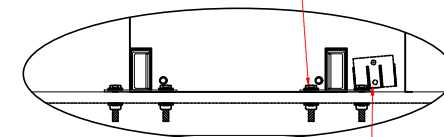
Vertical or High Lift OH Door Shown  
Consult Factory for standard lift door installations

Min of 75 mm clearance between barrier and open door. Door not shown.



**Slider Mounting Detail**

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



Adjust the diffuser 10-15 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	230V Single Phase 50Hz
Motor (s)	7 @ 0.35kw
Amps FLA	19.8
Blowers	7

**DURASHIELD**

**DS-168**

Air Velocity (fpm) (m/s)	4500 / 22.9
Air Volume (cfm) (m³/s)	19775 / 9.33
Total Power (hp) (kW)	3.5 / 2.45
Weight (lbs) (Kg)	700 / 318