

## Durashield HD DSH-144 - Air Barrier Specifications

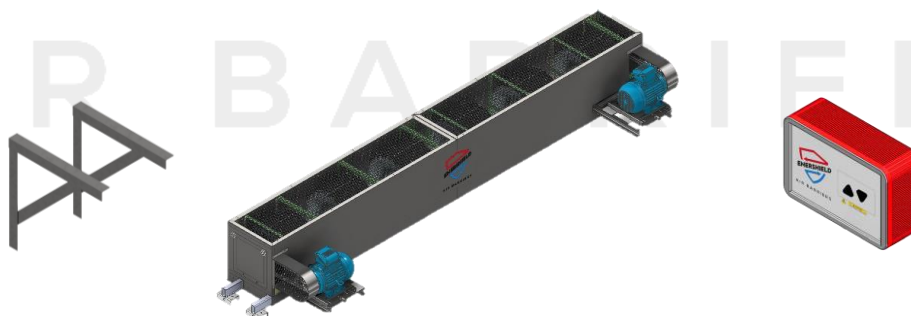
Enershield Air Barriers create an effective seal on the doorway. This is achieved by re-circulating the facility air in a laminar (smooth) flow across an open doorway. In addition, the kinetic energy within the moving air generates a barrier preventing leakage of air between two areas with different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

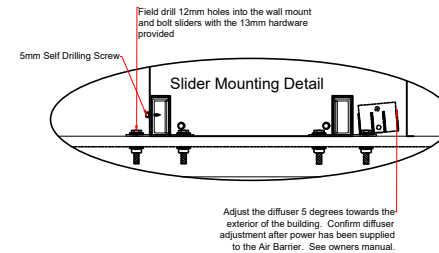
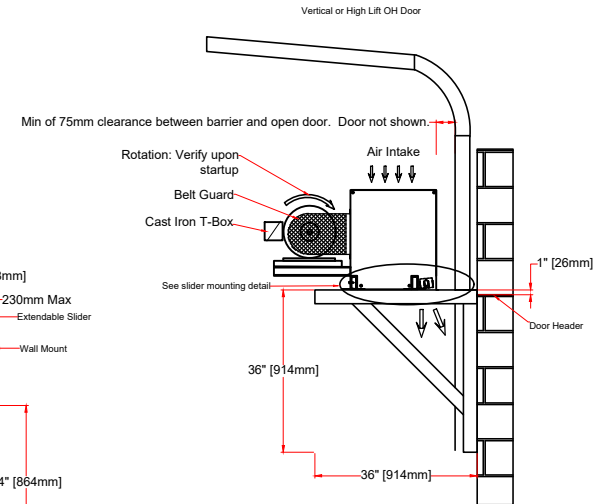
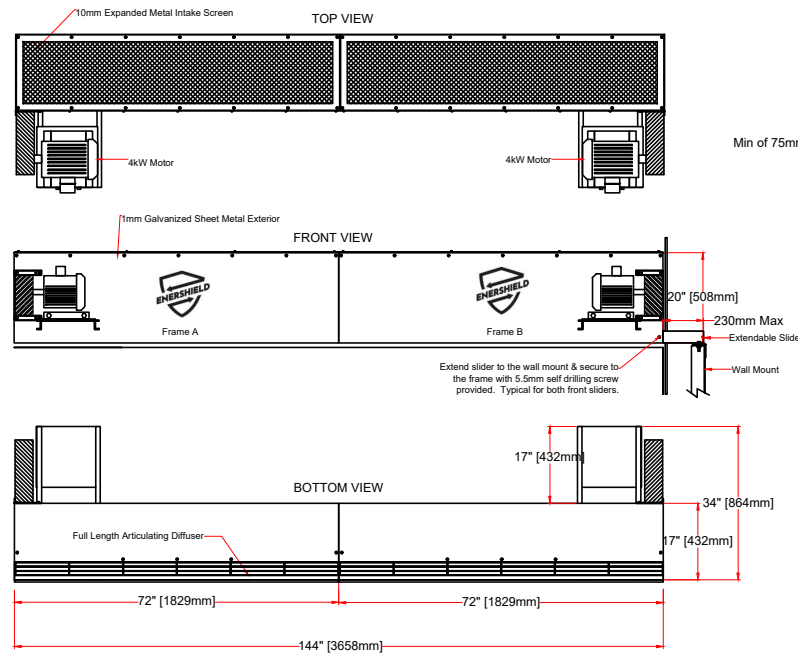
**Features:** The unit is powder coated 3mm steel box section frame construction, with 0.9mm sheet metal jacket, lined with closed cell acoustic insulation with antimicrobial and fire-resistant coating. Unit is available with optional RAL painting and stainless steel. The unit is manufactured as a single 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.

DSH-144	
Cabinet Length	3658 mm
Width x Height	432 x 508 mm
Weight	370 kg
Blowers	6
Number of Motors	2
Voltage	400/690V, 3 Phase, 50Hz
Total Current FLA	16.24/9.42 A
Total Power	8 kW
Noise @ 2m	74 dB
Air Velocity at Outlet	27.9 m/s
Total Air Volume	9.13 m <sup>3</sup> /s
Outlet Velocity Uniformity	95%
Diffuser Angle Limits	$\pm 20^\circ$
Installation Height	3.7 m Maximum





UKCA + CE CERTIFIED

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#### ENERSHIELD AIR BARRIER

Voltage	400 / 690V 3 Phase 50Hz
Motor (s)	2 @ 4kW
Amps FLA	16.4 / 9.42
Blowers	6

DURASHIELD-HD	DSH-144
Air Velocity (fpm) (m/s)	5500 / 27.9
Air Volume (cfm) (m³/s)	19350 / 9.13
Total Power (hp) (Kw)	10 / 8
Weight (lbs) (Kg)	812 / 370