



ROOF ACCESS HATCH



Our Product Ranges

Dampers

- 1 Fire Dampers
- 2 Fire / Smoke Dampers
- 3 Volume Control Dampers
- 4 Motorized Control Dampers
- 5 Pressure Relief Dampers /Non Return Dampers

Variable Air Volumes

- 6 Pressure Independent VAV
- 7 Constant Air Volume VAV
- 8 By Pass VAV

Louvers

- 9 Sand Trap Louvers
- 10 Acoustic Louvers
- 11 Stationery Louvers / Architectural Louvers
- 12 Storm Louvers
- 13 Weather Louvers

Sound Attenuators

- 14 Rectangular Sound Attenuators
- 15 Circular Sound Attenuators
- 16 Crosstalk Attenuators

Electric Duct Heaters

- 17 Flange & Slip 'n' Type
- 18 Modulating & On/Off Type

Air Outlets

- 19 Registers & Grilles
- 20 Diffusers (Linear Diffusers, Sq. & Rect. Ceiling Diffusers, Round Diffusers, Jetflow Diffusers)
- 21 Swirl Diffusers & Disc Valves
- 22 Drum Louvers



INDEX

	Page
Introduction.....	04
Model Reference & Construction Details	05-06
Concept Drawing.....	07-08
Operation & Maintenance.....	09



Airwellcare Roof Hatches provide safe and convenient access to roof areas by means of an interior ladder, ship stair or service stair. A Wide Range of Customized sizes are also available to provide an accessible way to install or remove large pieces of equipment from a building. All products feature engineered lift assistance for easy one-hand operation.



KEY FEATURES

- Engineered with compression spring operators to provide smooth, easy, one-hand operation, regardless of size.
- Automatic hold-open arms lock the covers in the open position to ensure safe egress.
- Overlapping cover design, full welded corners on covers and curb, EPDM rubber gasket, and fully insulated cover and curb ensure weather tightness and energy efficiency.
- Constructed with corrosion resistant materials to provide many years of trouble free, dependable service.
- Curb features the flashing system, an innovative method to quickly and easily secure single-ply roofing material.
- Available in many sizes and curb configurations to satisfy any requirement or installation



Model : AHS RA 100 SL - SINGLE LEAF

Our **Single Leaf Roof Hatch** features a Counter-balanced cover design for easy one-hand operation and fully gasketed and insulated construction for weather resistance. Available in galvanized steel or aluminum construction.

STANDARD CONSTRUCTION

Casing

1.2mm Thick. High Quality.

50mm thick polyisocyanurate Insulated Reinforced Double Skin Hinged Cover with over lapping Flange.

Curb

305mm high.

Suitable flange with Holes provided for securing to the roof deck.

Lifting Mechanism

Telescopic / Compression Spring / Gas Springs as standard.

Gasket

EPDM Gasket on the tip of Cover.

Finish & Colour

Standard - Mill Finish

Powder Coating finish as per PEF RAL Colour Codes as Optional.

Optional Construction

- Aluminium
- Galvanized Steel
- Stainless Steel (304/316)

Casing	Hinged Cover
1.5 mm	75.0 mm
2.0 mm	100.0 mm
1.5 mm	

Dimensions (W x L) mm	
Clear Internal Dimensions (mm)	Overall Dimensions (mm)
600 x 600	800 x 800
750 x 750	950 x 950
900 x 900	1100 x 1100
1000 x 1000	1200 x 1200
1200 x 1200	1400 x 1400

The above finishes complies to AAMA 2603 / 2604 / 2605 requirements



Model : AHS RA 100 DL - DOUBLE LEAF

Our Double Leaf Roof Hatch features a Counter-balanced cover design for easy one-hand operation and fully gasketed and insulated construction for weather resistance. Available in galvanized steel or aluminum construction.

STANDARD CONSTRUCTION

Casing

1.2mm Thick. High Quality.

50mm thick polyisocyanurate Insulated Reinforced Double Skin Hinged Cover with over lapping Flange.

Curb

305mm high.

Suitable flange with Holes provided for securing to the roof deck.

Lifting Mechanism

Telescopic / Compression Spring / Gas Springs as standard.

Gasket

EPDM Gasket on the tip of Cover.

Finish & Colour

Standard - Mill Finish

Powder Coating finish as per PEF RAL Colour Codes as Optional.

Optional Construction

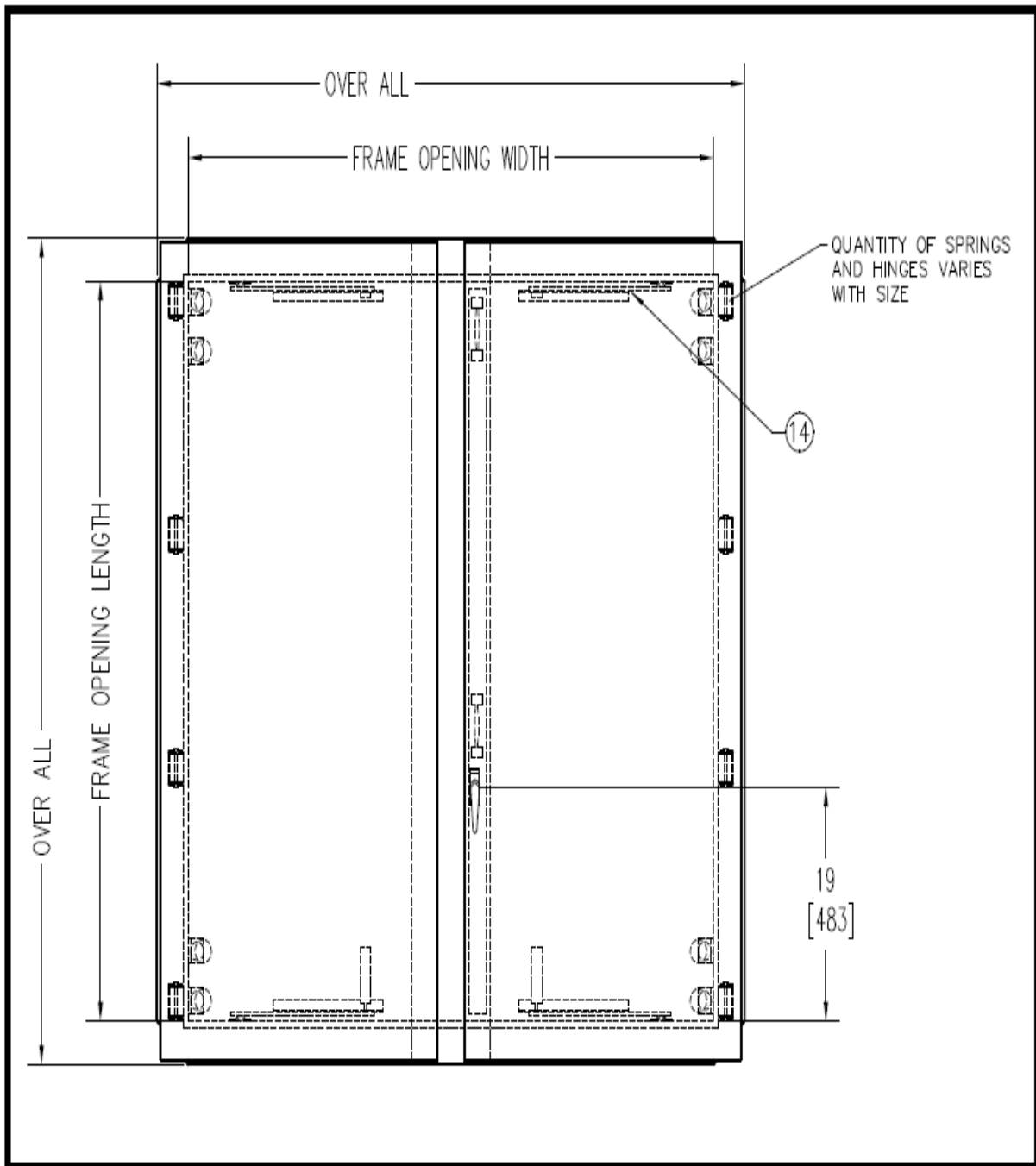
- Aluminium
- Galvanized Steel
- Stainless Steel (304/316)

Casing	Hinged Cover
1.5 mm	75.0 mm
2.0 mm	100.0 mm
1.5 mm	

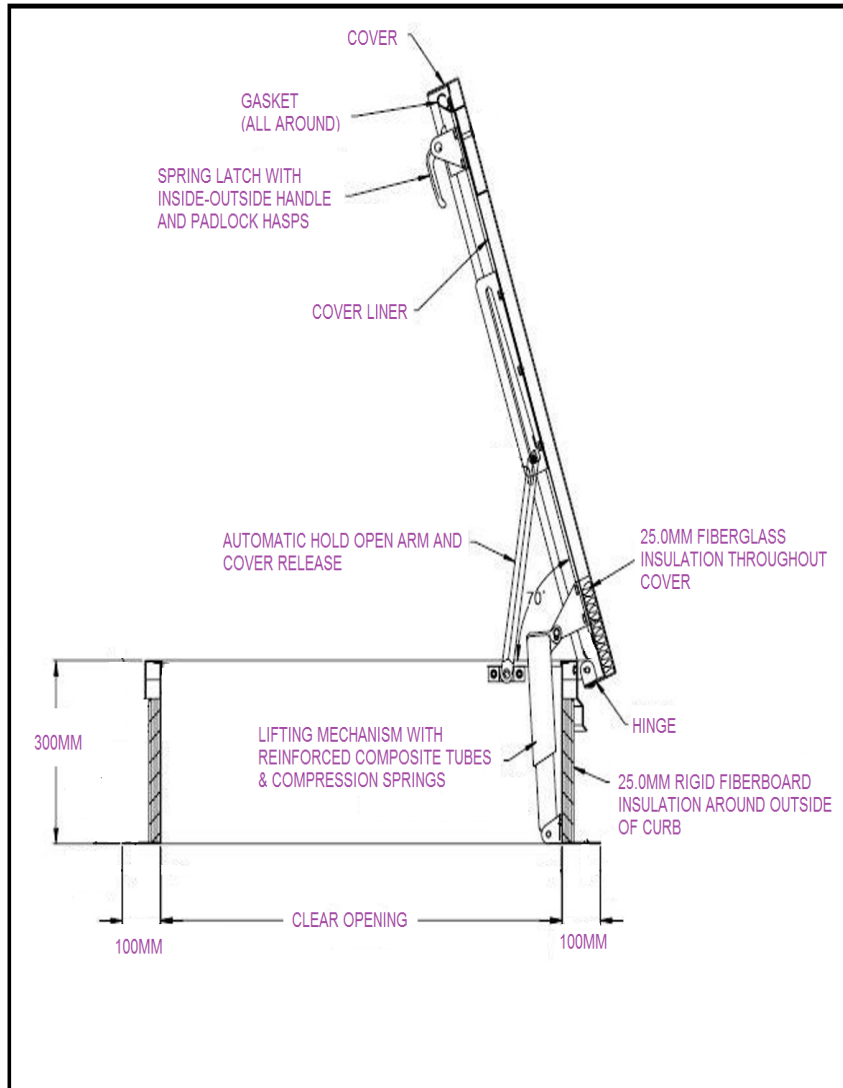
Dimensions (W x L) mm	
Clear Internal Dimensions (mm)	Overall Dimensions (mm)
600 x 600	800 x 800
750 x 750	950 x 950
900 x 900	1100 x 1100
1000 x 1000	1200 x 1200
1200 x 1200	1400 x 1400

The above finishes complies to AAMA 2603 / 2604 / 2605 requirements

Concept Drawing - Double Leaf



Concept Drawing - Single Leaf





Operation & Maintenance Manual

WARNING: Windy, wet, icy and all inclement weather conditions must be considered by the user of this hatch. Use caution at all times. Depending upon hatch size, configuration, and surrounding conditions, good judgement may suggest the use of two persons to operate the hatch. When the hatch cover is open, the opening shall be constantly attended by someone.

SINGLE LEAF HATCH

Opening from below:

Turn latch handle and, with one hand, raise cover to full open position (full open position is reached when the cover will not travel any further in either direction).

Closing from below:

For all Single Leaf hatches:

Depending upon size, location and use, it may be desirable to begin closing procedure from above. Grasp the red vinyl grip and urge it toward the direction of closing to start cover closure prior to descending. Cover may then be pulled down and latched from below. The procedure used is dependent upon the particular application and surrounding conditions.

Opening from above:

Turn latch handle and raise cover to full open position (full open position is reached when the cover will not travel any further in either direction).

Closing from above:

Grasp red vinyl grip and urge it toward the direction of closing while at the same time pulling or pushing on the handle or edge of the cover.

Maintenance

Steel Units:

An alkyd base red oxide primer has been applied at the factory. It is recommended that an alkyd base enamel finish coat, in the desired color, be applied after installation.

Additional coatings should be applied when needed to ensure maximum service life.

Aluminum Units:

Zinc plated steel hardware may require paint touch up depending upon age and severity of exposure.

All Units:

Occasional lubrication of all pivoting joints, latch, and rear portion of lower tubular spring housings is recommended.

DOUBLE LEAF HATCH

Opening from above:

Turn latch handle and raise primary cover to the full open position (full open position is reached when the cover will not travel any further in either direction). Raise secondary cover in like manner.

Closing from above:

Grasp the red vinyl grip on the secondary cover and urge it toward the direction of closing while at the same time pulling or pushing on a cover handle or edge of the cover until fully closed onto the curb. Actuate the primary cover in like manner and bring it to a fully closed and latched position.

Opening from below:

Turn latch handle and raise primary cover to full open position (full open position is reached when the cover will not travel any further in either direction). Secondary cover shall be raised from above. Closing from below:

Secondary cover should be closed from above by grasping the red vinyl grip and urging it toward the direction of closing while at the same time pulling or pushing on the edge of the cover. The primary cover may then be closed.



P.O Box 2620

Office & Factory at No.3, Umm Al Thoub 7,

Al Ittihad Street, Modern Industrial Area, Umm Al Quwain, United Arab Emirates

Tel. +971 (6) 768 0473

Email : sales@airwellcare.com

Web : www.airwellcare.com

