

CONDOR© STANDARD

Negative Pressure HEPA Unit



Application and Description

Condor© Negative pressure HEPA units are designed for use in applications where on-demand negative pressure rooms are needed. This includes operating theatres, isolation wards, laboratories or standard air conditioned rooms that require containment of microscopic airborne contamination prior to exhausting into the hospital or laboratory building HVAC system.

The Condor© offers a low cost on-site solution when there is an urgent requirement to convert a positive pressure area to negative pressure area. This is essential in situations where air borne contaminants may be present or generated through the cleanup and containment of spillage. The Condor© is ready to be engaged to provide safety to the operators in the containment effort. The Condor© Standard unit is suitable for areas up to 4.5mts². In addition, these units can be stacked for larger areas.

The Condor© comes complete with an H14 deep bed HEPA filter and pre-filter. The robust cabinet design is available with either a 250mm or 300mm diameter exhaust spigot, facilitating easy connection of the room exhaust duct.



Each Condor© unit is supplied with an individual factory test certificate affixed to the outer body demonstrating that the HEPA filter is leak free when integrity tested to AS1807.7.

The Condor© can be custom optioned to suit various applications.



Specifications

| Description | Part Number | Outlet Exhaust | Outlet Diameter |
|--|---------------|----------------|-----------------|
| CONDOR© Standard Negative Pressure Hepa Unit | 1687-16008/10 | Rear | 250mm |
| | 1687-16008/11 | Top | 250mm |
| | 1687-16008/12 | Rear | 300mm |
| | 1687-16008/90 | Top | 300mm |
| CONDOR© Standard Negative Pressure Hepa Unit with pressure alarm kit | 1687-16008/13 | Rear | 250mm |

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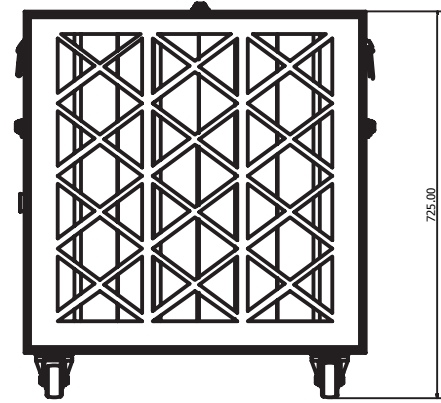


Negative Pressure HEPA Unit

UNIT DIMENSIONS

Part Number: 1687-16008/10

| | |
|--------------------------|-------|
| Length with Prefilter | 650mm |
| Length without Prefilter | 610mm |
| Height (Cabinet only) | 630mm |
| Floor to Top | 730mm |
| Width | 625mm |
| Weight | 48kg |
| Exhaust | Rear |



TECHNICAL DATA

| | l/s | dB @ distance |
|-------------------|-----|---------------|
| Low Speed | 186 | 51.3 1.0mts |
| High Speed | 430 | 59.1 1.0mts |
| Variable speed #1 | 225 | 52.7 10mts |
| Variable speed #2 | 271 | 53.4 1.0mts |
| Variable speed #3 | 306 | 58.9 1.0mts |

| HEPA Performance Data | l/s | Pa |
|-----------------------|-----|-----|
| Low speed | 172 | 50 |
| High Speed | 475 | 170 |
| Variable Speed #1 | 435 | 150 |
| Variable Speed #2 | 347 | 120 |

| HEPA Filter | |
|-----------------------------|---------------------|
| Re-ordering Part Number | 1589-7182/304 |
| Minimum Standard | AS. 4260-1997 |
| Country of Manufacture | Australia |
| Grade and Type | Grade 2 Type 1 |
| Aerosol Penetration Leakage | <0.001 to AS 1807.7 |

| Pre-Filter | |
|--------------------------|-------------|
| Re-ordering Part Number | FS50-610610 |
| Minimum Standard | AS 1324.2 |
| Country of Manufacture | Australia |
| Test Aerosol #1 | 25% |
| Test Dust #4 Efficiency | 30-35% |
| Test Dust #2 Gravimetric | 90-95% |

| Electrical Usage |
|------------------|
| 240V 0.9Amp 50Hz |



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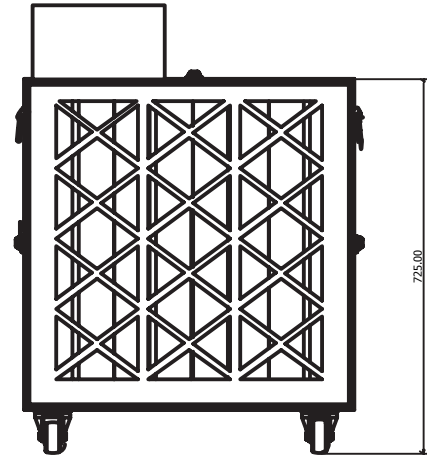


Negative Pressure HEPA Unit

UNIT DIMENSIONS

Part Number: 1687-16008/11

| | |
|--------------------------|-------|
| Length with Prefilter | 825mm |
| Length without Prefilter | 780mm |
| Height (Cabinet only) | 630mm |
| Floor to Top | 730mm |
| Width | 625mm |
| Weight | 48kg |
| Exhaust | Top |



TECHNICAL DATA

| | l/s | dB @ distance |
|-------------------|-----|---------------|
| Low Speed | 186 | 51.3 1.0mts |
| High Speed | 430 | 59.1 1.0mts |
| Variable speed #1 | 225 | 52.7 10mts |
| Variable speed #2 | 271 | 53.4 1.0mts |
| Variable speed #3 | 306 | 58.9 1.0mts |

| HEPA Filter | |
|-----------------------------|---------------------|
| Re-ordering Part Number | 1589-7182/304 |
| Minimum Standard | AS. 4260-1997 |
| Country of Manufacture | Australia |
| Grade and Type | Grade 2 Type 1 |
| Aerosol Penetration Leakage | <0.001 to AS 1807.7 |

| Electrical Usage |
|------------------|
| 240V 0.9Amp 50Hz |

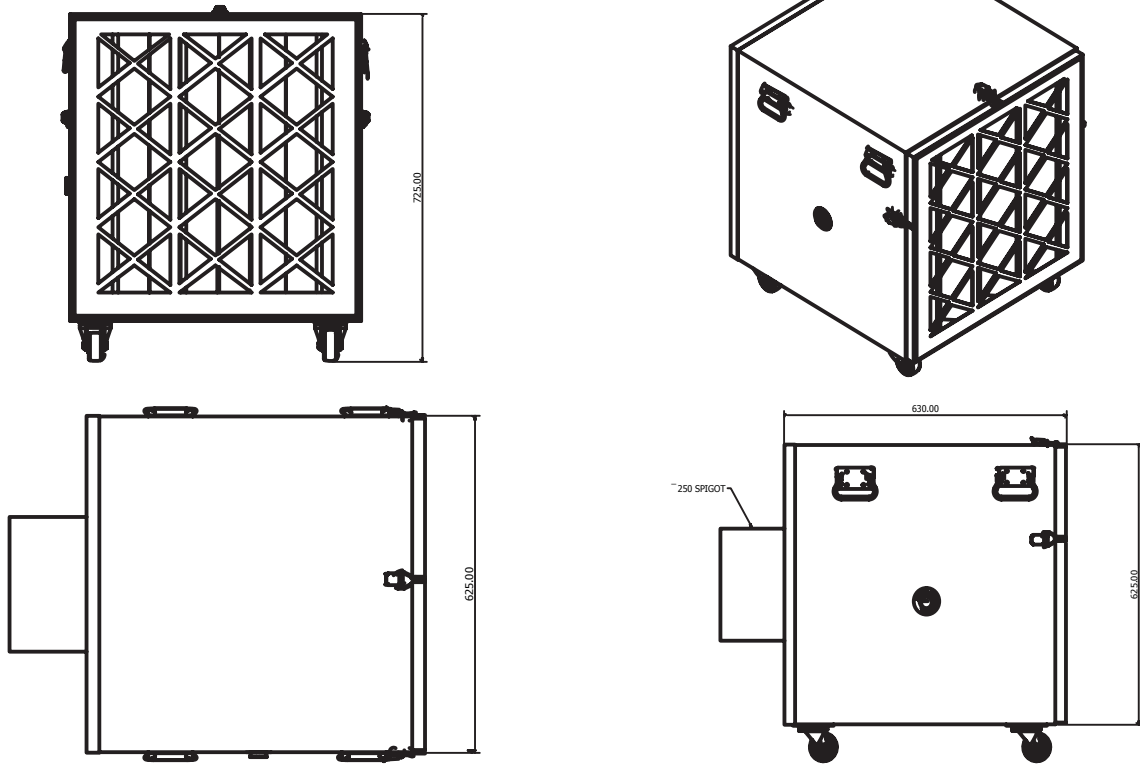
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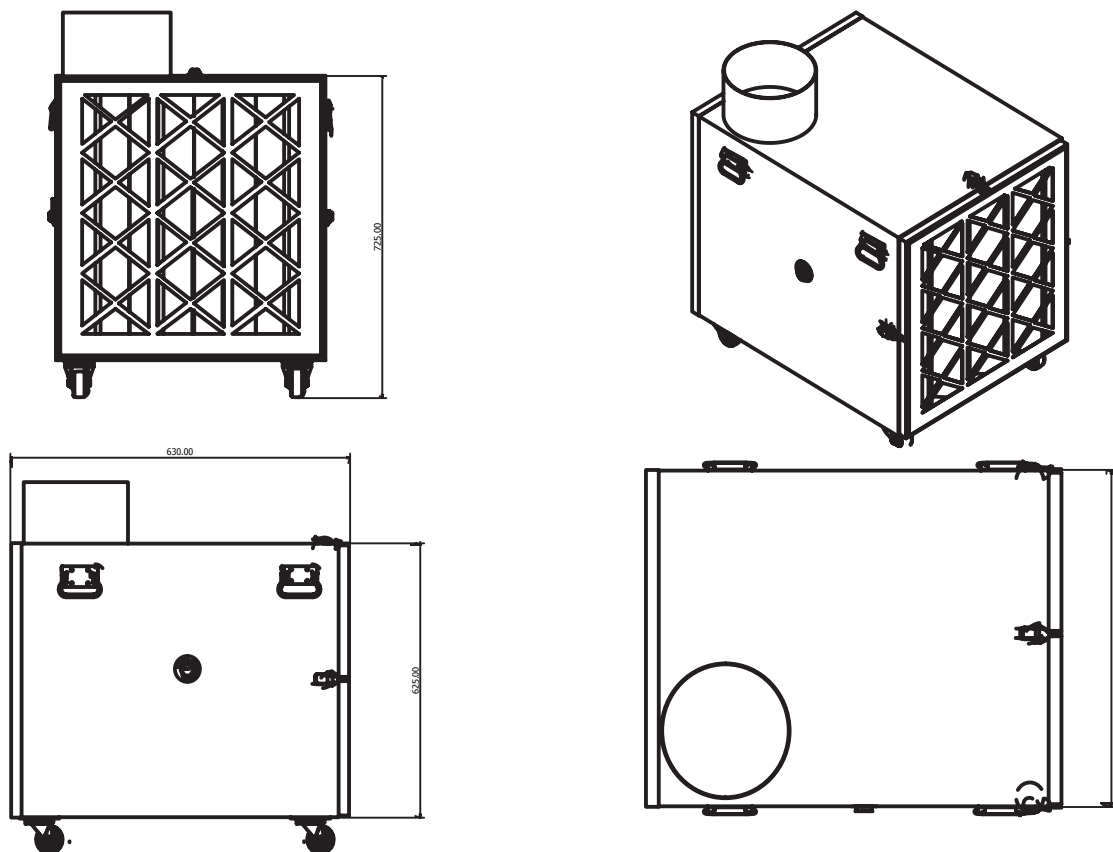
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DRAWINGS

Part Number: 1687-16008/10



Part Number: 1687-16008/11



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Maintenance

Its recommended when the mini Condor© unit is used in critical demanding areas the Pre-filters be replaced every three (3) months. Changing the pre-filter is easy and requires no special tools or fasteners . Simply turn the yellow coloured clip and remove the pre-filter's, be careful not to damage the HEPA media located behind when replacing the pre-filter. Undo the frame, then turn the clips.

The HEPA filter should only be changed by an authorised agent skilled in H14 HEPA filter removal and replacement. Thereafter the system needs to be integrity tested to AS1807.7 and the updated compliance sticker placed on the cabinet side.

How to Specify

Negative air pressure mobile unit designed to meet health requirements. providing a comfortable design rating of 220l/s fitted with a variable speed motor. Complete with a standard deep bed HEPA filter compliant to AS4260 Grade 2 Type 1, and when installed capable of achieving less than <math><0.01 @0.3</math> micron particle contamination penetration through the media. Fitted with a pre-filter to meet 30% test method #1 efficiency AS1324:2 and compliant to AS 1807:20 noise levels.

Warranty

Each Condor© Negative Pressure unit carries a manufactures warranty of 12 months against manufacturing defects.



Distribution

For ordering pre-filters and HEPA filters refer to previous table. For location of your nearest distributor contact AES Environmental on 1300 550 116 for further information about the company and products refer to:

www.aesenvironmental.com.au

sales@aesenvironmental.com.au

Similar Products

AES Environmental manufactures a range of similar Products, including :

- Mini Condor©, which is a smaller model suitable for areas up to 3.5m²
- Condor© Supreme, a fully optioned product for asbestos abatement or carpark ventilation Purification.

© 2020 AES Environmental Bulletin Number: 02A.04.20AES302REV0

In keeping with our policy of continuing product improvement, we reserve the right to alter specifications without notice.

