

General Description

Cabinet

Heavy gauge white Vinclad steel exterior finish. The vinyl is 8 to 10 mils in thickness and is laminated to provide an attractive appearance and toughness. It is superior to paint and plastic laminate over board material. It is resistant to abrasion, corrosion, stains, and attacks by chemicals. Vinclad will not support combustion; it is resistant to scratch or scuff, will not chip, craze or crack. Vinclad is peel proof and has moderate acoustical control.

The work area hood assembly is fabricated of clear acrylic. The hood provides a controlled work area and assists in directional air flow.

Filters

Final

A negative pressure Flex Duct filter system prevents contaminants from entering work area as commonly seen in positive pressured filter systems.

The HEPA final filter is 99.99% effective on particles 0.3 micron and larger. Smoke tested and leak probed. Standard final filters have fire retardant frames and aluminum separators.

The final filter is protected by a flattened expanded aluminum grill.

Prefilter

The prefilter is a 5/8 inch thick white polyester roll media. It is supported on the front and rear by a polystyrene egg crate grill.

Filter Sizes

303-24 HEPA Filters

Model	Qty	Filter Size	Prefilters	Qty	Filter Size
324	(1)	24x36x3	(1)	17x36	
424	(1)	24x48x3	(1)	17x48	
524	(2)	24x60x3	(1)	17x60	
624	(2)	24x72x3	(1)	17x72	
824	(2)	24x48x3	(1)	17x96	

303-30 HEPA Filters

Model	Qty	Filter Size	Prefilters	Qty	Filter Size
330	(1)	30x36x3	(1)	17x36	
430	(1)	30x48x3	(1)	17x48	
530	(2)	30x60x3	(1)	17x60	
630	(2)	30x72x3	(1)	17x72	
830	(2)	30x48x3	(1)	17x96	

303-36 HEPA Filters

Model	Qty	Filter Size	Prefilters	Qty	Filter Size
336	(1)	36x36x3	(1)	17x36	
436	(1)	36x48x3	(1)	17x48	
536	(1)	36x60x3	(1)	17x60	
636	(2)	36x36x3	(1)	17x72	
836	(2)	36x48x3	(1)	17x96	

303-48 HEPA Filters

Model	Qty	Filter Size	Prefilters	Qty	Filter Size
448	(1)	48x48x3	(1)	17x48	
548	(2)	48x30x3	(1)	17x60	
648	(2)	48x36x3	(1)	17x72	
848	(2)	48x48x3	(1)	17x96	

Electrical

120V, single-phase, 3-wire electrical system with 8 foot flex power cord (up to 20 amps). 15 amp motor speed infinitely variable with Solid State controller. 15 amp duplex outlet installed in right front of base for auxiliary equipment. Independent motor an light and/off switches.

Direct drive motor and dynamically balanced blower assembly is isolated from cabinet by rubber mounts and by the Flex Duct connection.

Series 303



 For more information or to download or fax this product from the web, simply go to:
www.cleanairproducts.com/303

Series 303 Horizontal Flow Clean Bench

Technical Data continued

Air Flow

Factory set at 90 FPM; maintained by adjusting blower speed as filter pressure increases over period of use.

Sound Level

Less than 65dba with air ambient of 55dba. (70dba – units with twin blowers.)

Dimensions

The acrylic hood is 21.5 inches deep with an aluminum extrusion on the bottom edge. The unit is designed to have an optional table set slightly below but not touching the underside of the bottom extrusion.

The underside of the extrusion is at 30.0 inches from the floor ± 0.5 inches with leg levelers.

Overall Width of Cabinet: Dimension "A"

- ___ 3 foot = 38-1/2 in.
- ___ 4 foot = 50-1/2 in.
- ___ 5 foot = 62-1/2 in.
- ___ 6 foot = 64-1/2 in.
- ___ 8 foot = 98-1/2 in.

Overall Depth of Cabinet (front to back): 34 in. (with 21.5 in. hood depth)**Work Area Height: Dimension "B"**

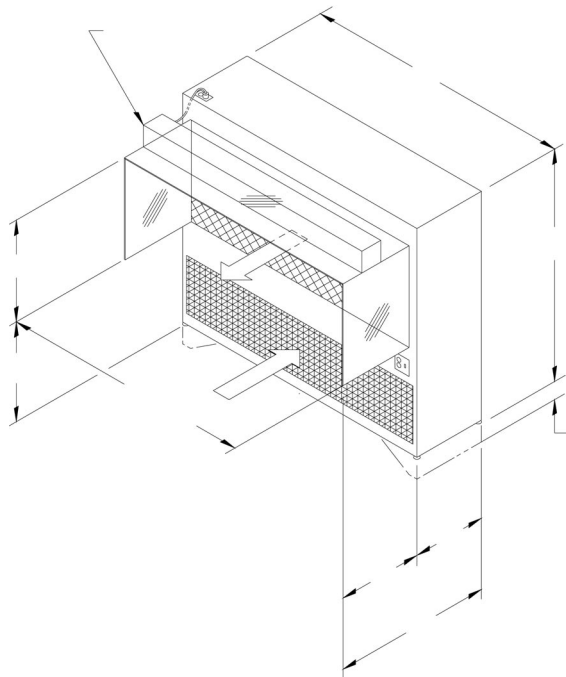
- ___ 22 in. (24 Series)
- ___ 28 in. (30 Series)
- ___ 34 in. (36 Series)
- ___ 46 in. (48 Series)

Work Area Height: Dimension "C"

- ___ 3 foot = 34 in.
- ___ 4 foot = 46 in.
- ___ 5 foot = 58 in.
- ___ 6 foot = 70 in.
- ___ 8 foot = 94 in.

Electrical Information and Blower Motor Sizes

303-*T24	Blower	Motor	Fluorescent		
			Lamp	Electrical	
324	(1) DD-10-4	1/3HP PSC	(2)	120V/10/60HZ	7.9 amp
424	(1) DD-10-6	1/2HP PSC	(2)	120V/10/60HZ	9.4 amp
524	(1) DD-10-8	1/2HP PSC	(2)	120V/10/60HZ	9.4 amp
624	(1) DD-10-8	1/2HP PSC	(2)	120V/10/60HZ	9.4 amp
824	(2) DD-10-6	1/2HP PSC	(2)	120V/10/60HZ	17.4 amp
303-*T30					
330	(1) DD-10-6	1/3HP PSC	(2)	120V/10/60HZ	7.9 amp
430	(1) DD-10-8	1/2HP PSC	(2)	120V/10/60HZ	9.4 amp
530	(1) DD-10-8	1/2HP PSC	(2)	120V/10/60HZ	9.4 amp
630	(1) DD-10-8	3/4HP PSC	(2)	120V/10/60HZ	12.4 amp
830	(2) DD-10-8	1/2HP PSC	(2)	120V/10/60HZ	17.4 amp
303-*T36					
336	(1) DD-10-8	1/2HP PSC	(2)	120V/10/60HZ	9.4 amp
436	(1) DD-10-8	1/2HP PSC	(2)	120V/10/60HZ	9.4 amp
536	(1) DD-10-8	3/4HP PSC	(2)	120V/10/60HZ	12.4 amp
636	(2) DD-10-8	1/2HP PSC	(2)	120V/10/60HZ	17.4 amp
836	(2) DD-10-8	1/2HP PSC	(2)	120V/10/60HZ	17.4 amp
303-*T48					
448	(1) DD-10-8	3/4HP PSC	(2)	120V/10/60HZ	12.4 amp
548	(2) DD-10-8	1/2HP PSC	(2)	120V/10/60HZ	17.4 amp
648	(2) DD-10-8	1/2HP PSC	(2)	120V/10/60HZ	17.4 amp
848	(2) DD-10-8	3/4HP PSC	(2)	120V/10/60HZ	23.4 amp



**Overall Height of Cabinet:
 Dimension "D"**

(Add 6.0 inches for 36-inch high table top option.)

- 58.0 in. (24 Series)
- 64.0 in. (30 Series)
- 70.0 in. (36 Series)
- 82.0 in. (48 Series)

Optional Accessories

- Table Series 61, formica, conductive or stainless
- "Minihelic" 0 to 2 inch differential pressure gauge. (HEPA)
- Gas cock
- Electrical duplex outlet (additional)
- Bar and hooks for bottle hanging
- Gold fluorescent lamps
- Photoresist gold lamp sleeves
- Ultraviolet germicidal lamps
- Safety glass hood
- 36 inch table top height
- Anti-static grid and power supply
- Painted cabinet – color code, manufacturer and chip required
- Extended hood depth
- Removable side acrylic panel –
 RH LH
- Rolled front edge on table top
- Casters with locking brake
- Metal plenum vs. standard Flex Duct
- Fluorescent light

Meets requirements of the NEC electrical codes.

Shipped fully assembled ready for operation and certified to meet or exceed Class 100 conditions of Federal Standard 209D.

Operations manual and test reports provided with unit at shipment.

Estimated Weight

303*24

- 324 = 370 lb.
- 424 = 400 lb.
- 524 = 450 lb.
- 624 = 500 lb.
- 824 = 680 lb.

303*30

- 330 = 400 lb.
- 430 = 450 lb.
- 530 = 500 lb.
- 630 = 550 lb.
- 830 = 770 lb.

303*36

- 336 = 450 lb.
- 436 = 500 lb.
- 536 = 550 lb.
- 636 = 600 lb.
- 836 = 800 lb.

303*48

- 448 = 570 lb.
- 548 = 650 lb.
- 648 = 750 lb.
- 848 = 900 lb.

Standard units shipped F.O.B. factory by padded van.

Equipment specification, dimensions and upgrades are subject to change without notice.



Specifications subject to change. Please contact factory for details.