



## Esco Airstream® PLUS Class II Biological Safety Cabinet AC2-3E8-TU

### KEY FEATURES

- H14/ Optional U15 Filter
- ISO Class 3 Work zone
- Equipped with Dual DC ECM motor for up to 70% energy savings
- Motorized Window
- Equipped with LED lamp
- ISOCIDE™ Antimicrobial Powder coating
- Sentinel™ Gold Microprocessor controller
- Easy-to-clean features
- Low noise level
- Optional H<sub>2</sub>O<sub>2</sub> Injection Port



### A. General Construction

- **External Dimensions (Width x Depth x Height)**
  - Without Base stand: 1035 x 823 x 1400 mm (40.7" x 32.4" x 55.1")
  - With Optional Base stand 711 mm (28"): 1035 x 823 x 2111 mm (40.7" x 32.4" x 83.1")
- **Internal Work Area Dimensions (Width x Depth x Height)**
  - 915 x 580 x 654 mm (36.0" x 22.8" x 25.7")
  - Area: 0.42 m<sup>2</sup> (4.5 ft<sup>2</sup>)
- **Working Opening**
  - 175 mm (7")
- **Material**
  - Main body: 1.2 mm (0.05") 18-gauge electro-galvanized steel with white oven-baked epoxy-polyester anti-microbial powder-coated finish
  - Work Zone: Abrasion and corrosion resistant 304 grade, 1.5 mm 16-gauge stainless steel with 4B finish
  - Side walls: UV absorbing tempered glass, 6 mm (0.2"), colorless and transparent 1.5 mm (0.06"), 16 gauge stainless steel, type 304, with 4B finish
  - ISOCIDE™ Antimicrobial Powder coating
- **Weight**
  - 191 kg (421 lbs) (Excluding optional stand)

- Equipped with dual Direct current Electronically Commutated Motor (DC ECM)
  - Low heat and low energy consumption offering 70% more energy savings
  - Auto-compensating feature that adjusts blower speed in order to maintain the optimum airflow in case of filter loading.
- Ultra low Particulate Air (ULPA) / H14 filter with 99.999% efficiency at 0.3-0.1 μm
- Average airflow velocity (Inflow) of 0.48 m/s (95 fpm)
- ISO 14644-1 Class 3 air quality

- **Sentinel™ Gold Microprocessor Controller**
  - Four-line LCD display
  - Soft touch keys for Blower, Light, and UV lamp with LED indicator
  - QuickStart Mode and Standby Mode
  - UV timer
  - Audible and visual alarms

- **Electrical Requirements**
  - Power rating: 220-240 V AC 50/60 Hz, 1 Ø
  - Nominal Power Consumption: 175 W
  - Heat dissipation: 597 BTU/h
- **Lighting**
  - Fluorescent lamp intensity: 1650 Lux
  - Optional UV lamp (253.7 nm)

- Easy-to-service. All electrical components located at the back of the front panel
- Centered and angled-down location of the control panel
- Low noise emission of 49.6 dBA (EN12469)
- Optional ergonomic footrest and lab chair

- Angled arm rest for comfortable working position
- Easy-to-reach electrical outlets located at the sides of the cabinet
- Easy-to-clean covered corners in the working area and smoothly finished corners of the drain pan
- Easy-to-lift autoclavable multi-piece work tray with large tray handles

- Support stand (Leveling feet or Caster wheels or Telescoping), Electrical Outlets, UV lamp, Service fixtures (Gas, water etc.), IV Bars, Exhaust accessories (Air-tight damper, thimble exhaust collar, anti-blowback valve, tri-safe exhaust collar with alarm), Air-tight cable port, Footrest, Lab Chair, PVC arm rest, Pre-filter\*

\*Specify accessory requirement when you order