



Esco Airstream® PLUS Class II Biological Safety Cabinet AC2-4E8-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 H₂O₂ Injection Port



A. General Construction

- **External Dimensions (Width x Depth x Height)**
 - Without Base stand: 1340 x 823 x 1400 mm (52.8" x 32.4" x 55.1")
 - With Optional Base stand 711 mm (28"): 1340 x 823 x 2111 mm (52.8" x 32.4" x 83.1")
- **Internal Work Area Dimensions (Width x Depth x Height)**
 - 1220 x 580 x 654 mm (48.0" x 22.8" x 25.7")
 - Area: 0.56 m² (6.1 ft²)
- **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**
 - 236 kg (520 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: 200 W
 - Heat dissipation: 682 BTU/h
- **Lighting**
 - Fluorescent lamp intensity: 1397 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 51.7 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 coved 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