

Esco Airstream® Gen 3 Laminar Flow Cabinet, Horizontal
LHG-4AG-F8



KEY FEATURES

- ✓ ULPA Filter
- ✓ ISO Class 3 Work zone
- ✓ Equipped with DC ECM motor for up to 70% energy savings
- ✓ ISOCIDE™ Antimicrobial Powder coating
- ✓ Sentinel™ Gold Microprocessor controller
- ✓ Low noise at only 55.8 dBA



A. General Construction

- External Dimensions (Width x Depth x Height)
 - Without Base stand: 1340 x 795 x 1118 mm (52.8" x 31.3" x 44.0")
 - With Optional Base stand 711 mm (28"): 1340 x 795 x 1829 mm (52.8" x 31.3" x 72.0")
- Internal Work Area Dimensions
 - 1203 x 631 x 573 mm (47.4" x 24.8" x 22.6")
 - Area: 0.7 m² (7.5 ft²)
- Material
 - Main body: 1.2 mm (0.05") 18-gauge electro-galvanized steel with white oven-baked epoxy-polyester powder-coated finish
 - Work Zone: Abrasion and corrosion resistant 304 grade, 1.2 mm 18-gauge stainless steel with 4B finish
 - Side walls: UV absorbing tempered glass, 5 mm (0.2"), colorless and transparent
 - ISOCIDE™ Antimicrobial Powder coating

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- Weight
 - 145 kg (320 lbs) (Excluding optional stand)
- B. Blower and Filtration**
 - Equipped with one 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.
 - Horizontal-type laminar flow cabinet
 - One (1) Ultra low Particulate Air (ULPA) / H14 filter with 99.999% efficiency at 0.3 μm
 - Two (2) disposable polyester fiber pre-filters with G3 (EU3) rating (85% arrestance)
 - Nominal airflow velocity of 0.45 m/s (90 fpm)
 - ISO 14644-1 Class 3 air quality
- C. Control Panel and Electrical**
 - Sentinel™ Gold Microprocessor Controller
 - Four-line LCD display
 - Soft touch keys for Blower, Light, and UV lamp with LED indicator
 - UV timer
 - Audible and visual alarms
 - Electrical Requirements
 - Power rating: 220-240 V AC 50/60 Hz, 1 \emptyset
 - Nominal Power: 171 W
 - Heat dissipation: 583 BTU/h
 - Lighting
 - Fluorescent lamp intensity: 1139 Lux
 - UV Decontamination
 - Optional UV lamp (253.7 nm). Must come with front cover
- D. Ergonomics**
 - Centered and angled-down location of the control panel
 - Low noise emission of 55.8 dBA
 - Optional armrest, ergonomic footrest and lab chair
 - Recessed central area of work top contains accidental liquid spills.
- E. Accessories**
 - UV lamp, Front cover, Support stand (Leveling feet, Caster wheels, Telescoping), Service fixtures (Gas, water etc.), IV Bar, armrest, Footrest, and ergonomic lab chair.