



The **Philips Respironics Trilogy EV300** is a portable ventilator that can provide both non-invasive (NIV) and invasive (IV) forms of ventilation for the patient. The Trilogy EV300 is designed for easy operation with an 8-inch touchscreen display, pre-configured settings, and an easy-to-navigate menu. The Ventilation system was designed to provide adjustable ventilation therapy for patients, making it customizable for the needs of each patient. With a 15-hour battery life, the ventilator can easily be transported with the patient through the various departments of your facility. The Philips Ventilator system can provide monitoring for preset modes such as AVAPS-AU, SpO₂, and EtCO₂. The adaptability and flexibility of the Philips System make it easy to be used on a wide range of patients ranging from infants to adults.

Features

- Portable design makes it easy to maneuver
- Easy-to-use operation with pre-configured settings and intuitive menu navigation
- 8-inch touchscreen display
- Adjustable respiratory monitoring to optimize the patient's therapy
- Individual ventilation modes that fit each patient's needs
- Offers 15 hours of battery life with both an internal and detachable battery



Specifications

Dimensions with Oxygen Blender

Height: 9.65 in (24.5 cm)
 Width: 11.25 in (28.6 cm)
 Depth: 7.6 in (19.3 cm)
 Weight:
 12.7 lb (5.8 kg) with detachable battery
 13.8 lb (6.3 kg) with oxygen blender and detachable battery

Physical

Screen dimensions: 8 in (20.32 cm)
 Ingress protection: IP22: protection against finger-sized objects and protected against dripping water when tilted up to 15 degrees.

Ventilation Modes

A/C-PC: Assist control (pressure control)
 A/C-VC: Assist control (volume control)
 CPAP: Continuous positive airway pressure
 PSV: Pressure support ventilation
 S/T: Spontaneous/timed ventilation
 SIMV-PC: Synchronized intermittent mandatory ventilation (pressure control)
 SIMV-VC: Synchronized intermittent mandatory ventilation (volume control)
 AVAPS-AE

Oxygen

Low flow: 0 to 30 l/min; maximum 10 psi
 High pressure: 280 to 600 kPa (41 to 87 psi)

Electrical

AC input voltage 100V - 240V, 50/60 Hz, 1.7 - 0.6A
 DC input voltage 12/24V 6.5A
 Internal and detachable Li-ion batteries 15 hours' nominal total run time per method in IEC 80601-2-72 (7.5 hours each battery)
 Charge time for detachable and internal battery from 0% to 80%: 2.5 hours
 from 0% to 100%: 3.5 hours

Measured and Displayed Patient Parameters

Tidal volume (V_t or V_e) 0 to 2000 ml
 Minute ventilation (MinVent) 0 to 30 l/min
 Leak 0 to 200 l/min
 Respiratory rate (RR) 0 to 90 BPM
 Peak inspiratory flow (PIF) 0 to 200 l/min
 Peak inspiratory pressure (PIP) 0 to 90 cmH₂O
 Mean airway pressure 0 to 90 cmH₂O
 Percentage spontaneous triggered breaths (%Spont Trig) 0 to 100%
 I:E ratio 9.9:1 to 1:9.9
 Dynamic compliance (Dyn C) 1 to 100 ml/cmH₂O
 Dynamic resistance (Dyn R) 5 to 200 cmH₂O/l/sec

