

**PHILIPS**

Trilogy EV300



Continuum of care.  
Simplified workflow.

Introducing Trilogy EV300

## The clinical capabilities you need

Developed specifically for hospital environments, Trilogy EV300 provides both invasive mechanical ventilation (IMV) and noninvasive ventilation (NIV) and a range of monitoring capabilities for patients at or above 2.5 kg. It's simple to use and offers key features such as lung parameters estimation, ability to set up to 60cmH<sub>2</sub>O peak pressure, and a range of therapy modes.

## Simplified workflow

Trilogy EV300 ventilators feature an easy-to-use 8-inch touchscreen and intuitive menu navigation. On-screen help and alarm guidance aid user proficiency—making it easy for clinicians to feel confident.

## A complete connected solution

Trilogy EV300 communicates, transmits and translates data from the device to the hospital EMR via patient monitoring or middleware systems. **Key features include:**

- **Surveillance:** The ability to remotely view ventilator settings, performance, and alarms from locations such as central monitoring stations
- **Event review:** The ability to look at changes in a patient's condition and response to various therapies, alarms and other pertinent events
- **Health Level 7 (HL7) interface:** Used to export ventilator data to the patient chart and pull in patient demographics for patient identification



## Proven performance in noninvasive and invasive mechanical ventilation

The Trilogy EV300 ventilator delivers enhanced performance in noninvasive (NIV) and invasive mechanical ventilation (IMV), so patients can be treated with a single device throughout their hospital stay, regardless of changing conditions. Comprehensive, advanced NIV auto-titrating therapy modes include AVAPS-AE, and IMV is available with single- and dual-limb circuits.

## Elevating respiratory care

The Trilogy EV300 ventilator is designed to treat the varying needs of respiratory insufficiency throughout the patient's stay. The Trilogy EV300 advanced measurement system estimates lung compliance, airway resistance, AutoPEEP and plateau pressure without requiring an inspiratory or expiratory hold maneuver. The mechanical properties of the respiratory system are continuously measured with the Trilogy EV300's passive, active flow and dual-limb circuits in both controlled and assisted mechanical ventilation modes. AVAPS-AE – an auto-titration mode of NIV with multiple algorithms that work simultaneously – meets the changing needs of your patients. AVAPS automatically adjusts to breathing, while Auto EPAP proactively adjusts to the lowest effective expiratory pressure to maintain a patient airway. Combining Auto Backup rate with tidal volume assurance provides a minimum level of ventilation and comfortable assistance when needed.

## Enhancing patient comfort

Designed to make breathing more comfortable, Auto-Trak technology provides an automated breath triggering and cycling algorithm that adjusts to the patient's natural breathing patterns and maintains exceptional performance in the presence of leaks. Flow triggering can now be set as low as .5 lpm to offer increased sensitivity for your weakest patients. In addition, the EtCO<sub>2</sub> mainstream measurement allows for confirmation of artificial airway placement, as well as for continuous ventilation monitoring. The continuity of monitoring can facilitate proactive decision-making and assist with weaning patients off the ventilator.<sup>1</sup> And the additional measurements can help reduce the need to draw an arterial blood gas.<sup>1</sup>



### Extended battery life

Designed for portability and durability, Trilogy EV300 has a 15-hour battery life\* with an internal and detachable battery. Additionally, the hot swappable detachable battery provides uninterrupted power – delivering maximum portability for transitions between therapies and different areas within the hospital.



### Easy to service

Trilogy EV300 can be field-serviced with standard service tools, making Trilogy EV300 easier to maintain.



### Lower costs

In addition to reduced maintenance costs, keeping patients on one device for NIV and IMV throughout their hospital stay may allow for additional cost savings by reducing the number of circuits and filters used per patient.

# Advancing hospital respiratory care

Choose Trilogy EV300 to help provide smooth transitions across your patients' changing environments as their disease improves or deteriorates, from admission to discharge

## Simple

Easy to use while offering a range of monitoring capabilities.

## Connected

Connects to EMR via Philips patient monitoring system or middleware.

## Portable

Lightweight yet robust, with 15 hours of battery life\*

## Adaptable

Stays with patients throughout the hospital as their needs change

## Reliable

Durable, rugged design to support use throughout the hospital



Learn more at [philips.com/EV300](https://philips.com/EV300)

\*Nominal run time per method in International Electrotechnical Commission (7.5 hour/battery).  
Detachable battery charge time 0% to 80% is 2.5 hours, internal battery charge time 0% to 100% is 3.5 hours.

**Reference:** 1. Berkenbosch JW, Lam J, Burd RS, Tobias JD. Noninvasive monitoring of carbon dioxide during mechanical ventilation in older children: end-tidal versus transcutaneous techniques. *Anesth Analg.* 2001;92(6):1427-1431.

Caution: Federal law restricts this device to sale by or on the order of a physician.

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