



The **Bird 8400ST** volume ventilator is an electrically powered, microprocessor controlled, volume cycled, pressure limited critical care ventilator designed for both adult and pediatric use. The Bird 8400ST has a compact and simple design. The electronic controller system is based on three microprocessors.

## Features

- Selectable ventilation modes for control, assist/control, SIMV, and CPAP.
- Apnea backup ventilation with user adjustable apnea interval from 10 to 60 seconds.
- Wide range of ventilator rates and tidal volumes.
- Digital display for total breath rate, tidal volume, minute volume, and I:E ratio.
- Square and decelerating waveform selection.



## Specifications

### Dimensions

**Height:** 9" (22.9 cm)  
**Width:** 21" (40.6 cm)  
**Depth:** 13.5" (34.3 cm)  
**Weight:** 32 lbs (14.5 kg)

### Controls

**Modes:** Control Assist/Control, SIMV, and CPAP  
**Tidal Volume:** 50 to 2000 ml  
**Peak Flow:** 10 to 120 lpm  
**Breath Rate:** 0 to 80 bpm  
**Waveforms:** Square, Decelerating  
**Pressure Support:** off to 50 cmH<sub>2</sub>O  
**Assist Sensitivity:** -1 to -20 cmH<sub>2</sub>O, Off  
**PEEP/CPAP:** 0 to 30 cmH<sub>2</sub>O  
**Manual Breath:** Touch button activated  
**Inspiratory Hold:** 6 seconds (maximum)  
**Sigh:** On/Off - 1 Sigh/1000 breaths  
    Sigh Volume: 1.5 x Tidal Volume (up to 3000 ml)  
    Sigh High Pressure Limit: 1.5 x set (up to 140 cmH<sub>2</sub>O)  
**Alarm Silence:** 60 seconds  
**Alarm Reset:** Touch button  
**AC Line ALT PWR Source:** Slide switch for AC or DC operation  
**Alarm Volume:** 74 to 84 dB  
**Back Up Breath Rate:** 0 to 80 bpm

### Monitors

**Power "ON":** Green indicator lamp  
**Minute Volume:** 0 to 130.0 L  
**Tidal Volume:** 0 to 9999 ml  
**Breath Rate:** 0 to 255 bpm  
**I:E Ratio:** 1:1.0 to 99 or 1.0 to 99:1  
**Airway Pressure:** -20 to 140 cmH<sub>2</sub>O  
**Battery "On":** Yellow indicator lamp  
**Hourmeter:** 0 to 99,999 hours

### Pneumatic

30 to 70 PSIG (2.10 to 4.90 kg/cm<sup>2</sup>)

