

Elisée 350™

ICU, CRITICAL CARE AND TRANSPORT VENTILATOR
(Invasive and noninvasive)

Performance, mobility, ease and safety

Elisée 350 is an advanced, turbine-driven ventilator dedicated to emergency and critical care. It is ideally suited for transport within and between hospitals.

Compact and light, it saves on space while delivering the performance of an Intensive Care Unit (ICU) ventilator.

Easy to use, Elisée 350 provides a comprehensive suite of ventilation modes. In addition to its other features, it can be used to treat all types of respiratory failure in adults and children.

The high-performance micro-turbine provides quick and effective response for acute respiratory failure patients.

Uninterrupted ventilation and high mobility

- Ventilation can be maintained even while the patient is being transferred.
- Elisée 350 operates with ambient air; it can be used with a high or low pressure oxygen source.
- Continuity of power supply:
Elisée 350 works on 12–28V DC; minimum three hours* of built-in battery power; three additional hours* of power with the external battery pack** for uninterrupted power.



ADVANCED PERFORMANCE

- One dedicated algorithm for each ventilation type: invasive and noninvasive (NIV)—exceptional trigger sensitivity and alarm settings to suit the type of ventilation
- Quick access to respiratory mechanics screens for automatic calculation of lung resistance and compliance
- Intrinsic PEEP and P0.1 measurements enable better adaptation and assist in weaning
- Easy monitoring—the ventilation waveform is displayed on Elisée 350's large screen; the serial port also connects to the optional 15" colour touch screen with EasyView software
- Oxygen and nebulisation functionalities—blender enables oxygen concentration to be set at 21-100%; FiO₂ monitoring displayed onscreen; nebulisation synchronised with patient's ventilation

COMPACT AND EASY TO USE

- Intuitive menus—easy for any member of the medical team to use at the touch of a button
- Ability to preset five programs and name them according to their clinical function
- Clear visibility to suit different usage environments—big touch screen and high-contrast display
- Effective in any position (upright, hanging or tilted)—convenient 180° rotating screen; used with standard circuits

SAFE AND SECURE

- Dedicated alarms menu allows simple and rapid simultaneous display of parameters measured and alarms set
- Specific NIV alarms—leak alarm settings
- Backup ventilation based on apnea time setting provides support for spontaneous ventilation in Pressure Support mode
- Availability of accessories—hooking system available

TECHNICAL SPECIFICATIONS

	Paediatric	Adult	Adjustments
PARAMETERS			
Inspiration pressure (cm H ₂ O)	3–40 in NIV 3–60 in Invasive	5–60	1 cm H ₂ O
Pressure support (cm H ₂ O)	3–40 in NIV 3–60 in Invasive	5–60	1 cm H ₂ O
Pressure slope	1, 2, 3, 4	1, 2, 3, 4	–
PEEP (cm H ₂ O)	0–20	0–25	1 cm H ₂ O
Tidal volume (mL)	50–500	300–2500	10 mL (50–1000) 100 mL (1000–2500)
Flow shape	(1–5) Square/Decreasing	(1–5) Square/Decreasing	–
Maximum flow (L/min)	5–40	60 (in volume modes), 220 (in pressure modes)	1 L/min
Respiratory Rate/Frequency (bpm)	2–80	2–50	1 bpm
Inspiration time (seconds)	0.3–3.0	0.3–3.0	0.1 sec
I/E ratio (1/x)	1/0.4–1/9.9	1/0.4–1/9.9	1/0.1
Maximum inspiration time (seconds)	1.0–3.0	1.0–3.0	0.1 sec
Apnea time (seconds)	5–20	10–60	1 sec
Plateau time (seconds)	0–1.5	0–2.0	0.1 sec
FiO ₂ (%)	21–100	21–100	5% (30–100)
TRIGGERS			
Inspiration pressure trigger (cm H ₂ O) Only in Invasive ventilation	0.2–5.9 / NO in (A)CV and P(A)CV modes 0.2–6.0 in PS.SV, PS.Vt, SIMV and PSIMV modes		0.1 cm H ₂ O
Inspiration flow trigger (L/min) Only in Invasive ventilation	0.2–9.9 / NO in (A)CV and P(A)CV modes 0.2–10.0 in PS.SV, PS.Vt, SIMV and PSIMV modes		0.1 L/min
NIV trigger	AUTO / 1–5 / NO in (A)CV and P(A)CV modes AUTO / 1–5 in PS.SV, PS.Vt, SIMV and PSIMV modes		–
Expiratory trigger (% of peak flow)	10 / 90 AUTO in PS.SV, PS.Vt, SIMV and PSIMV modes		1%
RECRUITMENT / SIGH			
Period (min)	NO / 1–60	NO / 1–60	1 min
Duration (seconds)	0.2–40	0.3–40	0.1 sec (0.2–3) 1 sec (3–40)
Pressure (cm H ₂ O)	5–60	5–60	1 cm H ₂ O
NEBULISATION			
Period (hr)	1–24	1–24	1 hr
Duration (min)	1–30	1–30	1 min
Flow (L/min)	5–20	5–20	1 L/min



* Tested under specific conditions. Please refer to the User Guide for details.
** External battery pack fully integrates with the ventilator.

TECHNICAL DATA

Size	26 cm x 24 cm x 13 cm (10.2" x 9.4" x 5.1")
Weight	9.9 lb (4.5 kg) with mains supply pack
Internal battery	3 hrs*
External battery	3 hrs*

Manufacturer: ResMed Paris 240 rue de la Motte 77550 Moissy-Cramayel France. **Distributed by:** ResMed Ltd 1 Elizabeth Macarthur drive Bella Vista NSW 2153 Australia. See www.resmed.com for other ResMed locations worldwide. Protected by patents: FR 0303538, FR 2766568, FR 2812203, EP 1177810, JP 4060449, NZ 543179, US 6164141, US 6722356. Others patents pending. Elisée is a trademark of ResMed Paris and is registered in U.S. Patent and Trademark Office. Specifications may change without notice. © 2009 ResMed Paris is a subsidiary of ResMed Inc. 1012847/3 09 08