RESMED

Elisée™ 150

ADAPTING TO HOSPITAL AND
HOMECARE VENTILATION NEEDS
(Invasive and noninvasive)

TECHNICAL SPECIFICATIONS	Paediatric	Adult	Adjustments
PARAMETERS			
Pressure slope	1, 2, 3, 4	1, 2, 3, 4	–
Inspiration pressure (cm H_2O)	3–40 in NIV, 3–60 in Invasive	5–60	1 cm H_2O
Pressure support (cm H_2O)	3–40 in NIV, 3–60 in Invasive	5–60	1 cm H_2O
PEEP (cm H_2O)	0–20	0–25	1 cm H_2O
CPAP (cm H_2O)	3–20	3–25	1 cm H_2O
Tidal volume (mL)	50–500	300–2500	10 mL (50–1000) 100 mL (1000–2500)
Security tidal volume (mL)	NO / 50–500	NO / 300–2500	10 mL (50–1000) 100 mL (1000–2500)
Maximum flow setting (volume) (L/min)	5–40	10–120	1 L/min
Flow shape	(1–5) Square/Decreasing	(1–5) Square/Decreasing	–
I/E ratio (1/x)	1/0.4–1/9.9	1/0.4–1/9.9	1/0.1
Respiratory rate	2–80	2–50	1 bpm
Minimum breath (bpm)	NO / 3–80	NO / 6–50	1 bpm
Maximum inspiration time (seconds)	0.3–3.0	0.3–3.0	0.1 sec
Apnea time (seconds)	5–20	10–60	1 sec
TRIGGERS			
Inspiration pressure trigger (cm H_2O) (Invasive ventilation only)	0.2–5.9 / NO in (A)CV and P(A)CV modes 0.2–6.0 in PS.SV, PS.V_T, SIMV and PSIMV modes	0.2–5.9 / NO in (A)CV and P(A)CV modes 0.2–6.0 in PS.SV, PS.V_T, SIMV and PSIMV modes	0.1 cm H_2O
Inspiration flow trigger (L/min) (Invasive ventilation only)	0.2–9.9 / NO in (A)CV and P(A)CV modes 0.2–10.0 in PS.SV, PS.V_T SIMV and PSIMV modes	0.2–9.9 / NO in (A)CV and P(A)CV modes 0.2–10.0 in PS.SV, PS.V_T SIMV and PSIMV modes	0.1 L/min
Inspiration trigger (NIV+ inspiratory trigger)	AUTO / 1–5 in PS.SV, PS.V_T, SIMV and PSIMV modes AUTO / 1–5 / NO in (A)CV and P(A)CV modes	AUTO / 1–5 in PS.SV, PS.V_T, SIMV and PSIMV modes AUTO / 1–5 / NO in (A)CV and P(A)CV modes	–
Expiratory trigger (% peak flow)	10–90 / AUTO in PS.SV, PS. V_T, SIMV and PSIMV modes	10–90 / AUTO in PS.SV, PS. V_T, SIMV and PSIMV modes	1 %
LUNG RECRUITMENT			
Period (minutes)	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_2O)	5–60	5–60	1 cm H_2O

ESSENTIAL ALARMS

High priority	Max/min FiO_2, Max leak, Max/min V_T, Max inspiratory pressure, Max expiratory pressure, Empty internal battery, Open circuit
Medium priority	Low PEEP, Low internal battery, External battery empty, Apnea

TECHNICAL DATA

External DC supply	12–28V DC, maxi 15 amps
Internal battery	Li-Ion, 14.4V DC, 6.3AH
External battery	Li-Ion, 14.4V DC, 6.3AH
Power consumption	max 75VA
External power	12–28V
Internal battery*	4–6 hrs
External battery*	4–6 hrs
Size	290 x 250 x 130 mm (11.42'' x 9.84'' x 5.12'')
Mains supply	100V AC/1 amp to 230V AC / 0.6 amp – 50/60Hz
Weight	4.45 kg (9.79 lb) with internal and external battery pack

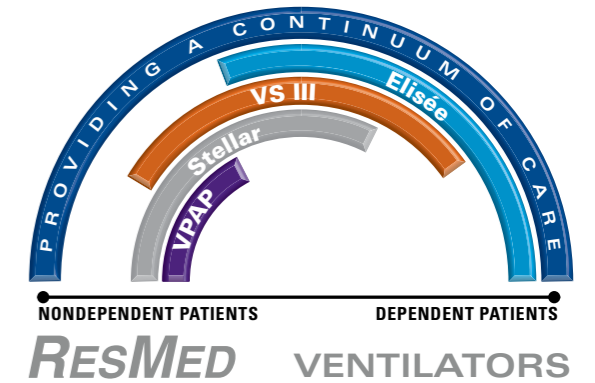* Tested under specific settings. Please refer to the User Guide.

Elisée 150 features

Easy-to-use touchscreen—
therapy data at your fingertips

Respiratory Care Solutions
Making quality of care easy

Elisée 150: Adapting to hospital and homecare ventilation needs

Elisée 150 is a premium volume and pressure ventilator ideally suited for use in intermediate care, during patient transportation and for the treatment of chronic conditions in the home.

Now with NIV+ for exceptional patient to device synchrony

ResMed's exclusive trigger sensitivity technology, NIV+, fine-tunes existing trigger settings to improve patient to device synchrony in adult and paediatric patients.

A major challenge for traditional noninvasive ventilators has been maintaining device synchrony with patients' respiration, especially in the presence of unintentional leak due to factors such as poor mask fit or fast pressure transitions.

Measuring against the trigger thresholds selected in each device, the NIV+ algorithm detects even the slightest changes in a patient's breathing pattern and the earliest instance of leak—and promptly reacts to maintain patient to device synchrony.

With the NIV+ algorithm, triggering is extremely precise in Elisée 150.

Quick to set-up, easy to use

- **Large touchscreen** for intuitive use.
- **Learn circuit test** for accurate monitoring of the pressure at the mask.
- **All ventilatory parameters viewed on one screen** for convenient therapy management.
- **Back-lit menus and buttons** facilitate usage in darkened rooms.
- **Screen can be rotated 180 degrees** making it easy to view from different positions.

Patient monitoring, extra reassurance

- **Real time data on LCD screen** includes FiO_2 when O_2 is connected.
- **Flow and pressure curves** can be viewed simultaneously onscreen.
- **Easy to understand daily and overall statistics, trends and logs** can be viewed via ResScan software.
- **Comprehensive data and graphic trends** are easily downloaded via EasyView software.
- **Adaptable expiratory valve** for accurate expiratory measurement with alarms.
- **Optional nurse call feature** allows nurses or carers to be alerted remotely.

Effective ventilation, flexible choices

- **Wide range of ventilation applications including CPAP** for adults and children with acute or chronic conditions (up to 80 bpm in paediatric mode).
- **Two presettable programs when flexibility is required** e.g. between periods of increased or decreased activity such as day/night or invasive and non-invasive applications.
- **Single or double circuit** to suit therapy.
- **Low pressure oxygen** up to 15L/min with optional oxygen cell for FiO_2 monitoring.
- **Lung recruitment function** to help improve patient oxygenation.

Compact and portable, with rechargeable battery

- **Small and light,** making it easy to use in transport, on wheelchairs, within the hospital and around the home.
- **Long-life internal battery and hot swappable external battery are easily recharged** to maintain ventilation in the event of a power outage.
- **A range of power supply options** including a 12V DC connector, useful during transport.

From hospital to home— a smooth transition with Elisée 150

- Compact and portable for home use.
- Easy usage for patient and carer.
- Long battery life supports patient lifestyle.

Elisée 150 is small, light and portable, to meet hospital, transport and homecare needs.

Elisée 150 Portable homecare ventilation			
ASSISTED CONTROLLED MODES	INTERMITTENT ASSISTED CONTROLLED MODES	PRESSURE SUPPORT MODES	CONTINUOUS POSITIVE AIRWAY PRESSURE MODE
P(A)CV: Assisted controlled pressure ventilation	PSIMV: Synchronised intermittent mandatory pressure ventilation	PS.SV: Pressure support with safety tidal volume	CPAP: Continuous positive airway pressure
(A)CV: Assisted controlled volume ventilation	SIMV: Synchronised intermittent mandatory volume ventilation	PS.Vr: Pressure support with guaranteed tidal volume	—