Non-traditional Ventilatory Support

	Trilogy 202	Trilogy Evo	V60	E30	Trilogy 100 and 200	V30	ResMed S9 VPAP / AirCurve 10 ST	Helmet
Type of Device	**Ventilator**	**Ventilator**	**CPAP/BiLevel**	**CPAP/BiLevel**	**CPAP/BiLevel**	**CPAP/BiLevel**	**CPAP/BiLevel**	**CPAP**
Interface	IV and NIV	IV and NIV	IV and NIV	IV and NIV	IV and NIV	NIV	NIV	NIV
Circuit	Single limb	Single/double limb	Single limb	Single limb	Single limb	Single limb	Single limb	Single limb
Oxygen delivery	≤ 50 psi	≤ 50 L/min*	≤ 50 psi	≤ 60 L/min*	≤ 15 L/min	≤ 6 L/min	≤ 15 L/min	≥ 50 L/min*
FiO_2 max	100%	100%**	100%	100%**	50%**	40%**	40%**	60%
Modes	AC, PS, PC, S/T, AVAPS, SIMV	AC, PS, PC, S/T, AVAPS, SIMV	CPAP, S/T, PC, AVAPS	CPAP, S, S/T, PC	AC, PS, PC, S/T, AVAPS, SIMV	CPAP, S/T, PC, AVAPS	S/T	CPAP
IPAP max (cm H_2O)	50	60	40	30	50	30	25	--
PEEP max (cm H_2O)	25	25	25	25	25	25	15	10
Internal battery	3 hours	7.5 hours	6 hours	--	3 hours	--	--	--
External battery	3 hours	7.5 hours	--	--	3 hours	7 hours	--	--
Total battery time	6 hours	15 hours	6 hours	--	6 hours	7 hours	--	--
Battery charge time	8 hours	3.5 hours	5 hours	--	8 hours	--	--	--
Alarms	Yes	Yes	Yes	Yes	Yes	Yes	No	No
For hypercapnia	Yes	Yes	Yes	Yes	Yes	Yes	No	No
For transport	Yes	Yes	Yes	No	Yes	Yes***	No	Yes

Ventilatory capability	**Level 1** acute respiratory failure, ARDS	**Level 2** recovering ARDS, hypercapnia, PSV ≤25, FiO2 ≤60%	**Level 3** weaning, chronic resp. failure, PSV ≤20	Hypoxemia

Interface: NIV = Non-invasive ventilation; IV = invasive ventilation. **Modes:** S/T = Spontaneous/Timed; AVAPS= Average Volume Assured Pressure Support.
*O_2 delivery requires high flow oxygen flow meter; **FiO_2 measurement requires in-line oxygen analyzer; ***V30 requires optional external battery for transport.