








POSITIVE AIRWAY PRESSURE (PAP) SYSTEMS

Company		3B Medical Inc	Breas Medical Inc	Drive DeVilbiss Healthcare	Fisher & Paykel Healthcare
PAP		 Luna II CPAP & Auto-CPAP	 Z2 CPAP & Auto CPAP	 IntelliPAP2 AutoAdjust CPAP System	 SleepStyle
Website		www.3bproducts.com	www.breas.us	www.drivemedical.com	www.fphcare.com
Warranty (years)		2	2	3	2
Operating Modes	CPAP	X	X	X	X
	APAP	X	X	X	X
	Bilevel				
	Auto-adjusting Bilevel				
Pressure Relief		X (0-3 cm H ₂ O)		X	X
Dimensions (cm)		27 x 18 x 11	16.46 x 8.38 x 5.13	16 x 15.5 x 19.3	14 x 18 x 18
Weight (kg)		1.9	0.299	1.7 with humidifier	1.7
Noise Level (dBa)		< 28	26	26.6	28
Operating Pressure Range (cm H ₂ O)		4-20	4-20	3-20	4-20
Pressure Adjustment Increment (cm H ₂ O)		0.5	0.5	0.5	0.5
Adjustable Starting Ramp Pressure (cm H ₂ O)		Yes	4.0-19.5	3-20	4-20 (SensAwake)
Ramp Time (minutes)		0-60	0-45	0-45	20
Data Recorded		Usage hours, AHI, central apnea index, leak, average pressure, p95, maximum pressure, apnea count, hypopnea count	Usage hours, leak, AH count, AHI (index)	Usage, AHI, leak, pressure, exhale puffing, non-responding events, 90th and 95th percentile pressures, snore, hypopnea, central apnea index, flow limitation, adherence score, oximetry	Compliance, AHI, leak, SensAwake detections, flow limitations, apneas, hypopneas, high resolution flow data
Features	Auto Start/Stop	X	X	X	
	Leak Compensation	X	X	X	X
	Mask On/Off Alert	X	X	X	
	Altitude Compensation	X	X	X	X
	Heated Humidification	X		X	X
	Remote Programming	X	X (through Nitelog)	X	X
Patient Access to Own Data Without Physician Involvement		Yes, via free smartphone app, iCode-Connect Quick Report, and on screen data.	Yes, using Nitelog mobile app available for iOS and Android mobile devices.	Yes, via device display, SmartLink smartphone app, and IntelliPAP.com.	Yes.
Additional Features		Advanced cellular machine-to-machine (M2M) technology with 4G LTE Cat M1 and narrowband Internet of Things (NB-IoT).	Optional PowerShell (integrated overnight battery).	Featuring PureView Algorithm, the IntelliPAP 2 offers improved sensitivity (compared to Drive DeVilbiss' previous generation device) to a full spectrum of events based on the patient's natural breathing pattern. The IntelliPAP 2 also features Bluetooth connectivity to allow the patient to view and transmit therapy data.	Built-in cellular connectivity; fully integrated humidifier and power supply, ThermoSmart humidification technology; SensAwake automatic ramp technology; expiratory relief; built-in Bluetooth technology; compatible with SleepStyle App and web; InfoUSB, InfoSmart Web. Ease of use commendation from American Arthritis Foundation.

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Company		Philips Respironics	ResMed	Somnetics
PAP		 DreamStation	 AirMini	 Transcend 365 miniCPAP
Website		www.philips.com/dreamstation	airmini.resmed.com	www.mytranscend.com
Warranty (years)		2	2	2
Operating Modes	CPAP	X	X	X
	APAP	X	X	X
	Bilevel	X		
	Auto-adjusting Bilevel	X		
Pressure Relief		X	X	X
Dimensions (cm)		15.7 x 19.3 x 8.4	13.6 x 8.4 x 5.2	19.8 x 9.7 x 11.4
Weight (kg)		1.33 (without humidifier); 1.98 (with humidifier)	0.3	0.8 (with integrated humidifier)
Noise Level (dBA)		26.1 (device); 27.3 (with humidifier)	29	< 30
Operating Pressure Range (cm H ₂ O)		4-20	4-20	4-20
Pressure Adjustment Increment (cm H ₂ O)		0.5	0.2	0.1
Adjustable Starting Ramp Pressure (cm H ₂ O)		4	5 (default)	4-19
Ramp Time (minutes)		0-45 (5 minute increments)	0-45	0-45
Data Recorded		Encore data capture and reporting, use patterns, advanced event detection,* flow waveform reports. *This can detect, respond to (some models), and log: AHI, RERA, flow limitation, leak, vibratory snore, obstructive apnea, large leak, clear apnea, periodic breathing, hypopnea	Sleep score, usage hours, mask seal, events/hour (AHI), mask on/off events, average air pressure delivered during the night	Usage, average hours/night, median hours/night, compliance rate, average leak, median leak, 90 percentile leak, 95 percentile leak, average pressure, 90 percentile pressure, 95 percentile pressure, AHI index, apnea index, hypopnea index, time spent in apnea, time spent in hypopnea, pressure settings
Features	Auto Start/Stop	X	X	
	Leak Compensation	X	X	X
	Mask On/Off Alert			
	Altitude Compensation	X	X (0-8,500 ft)	X
	Heated Humidification	X		X
	Remote Programming	X	X	
Patient Access to Own Data Without Physician Involvement		Yes, via the DreamMapper patient self-management tool.	Yes, on the AirMini app (for iPhone or Android) via Bluetooth.	Yes, via free desktop software or TranSync cloud-based reporting.
Additional Features		CPAP-Check, EZ-Start, Auto-Trial, Opti-Start, SmartRamp, FLEX comfort, humidity control; heated tube; Advanced Event Detection; Performance Check, integrated Bluetooth, EncoreAnywhere, DreamMapper, cellular or wifi modems, SD card; optional oximetry accessory.	Waterless humidification, control via the AirMini app for iOS and Android phone users, and 3 therapy modes: CPAP, AutoSet, and AutoSet for Her (mode for female-specific mild to moderate obstructive sleep apnea); Additional comfort feature: AutoSet Response, which provides gentler pressure rises during therapy.	Smart Power technology powers the CPAP and heated humidifier from a single battery or AC power supply. Smart Humidifier requires less water and eliminates rainout, 2.4-in color LCD screen to view compliance data and manage therapy settings. Drying mode keeps mask and tube clean. TranSync cloud-based compliance data, TranSync compliance mobile app. Free desktop software for compliance data and therapy settings. Bluetooth capable with optional dongle. Optional battery accessory, includes padded travel bag and international cord set. SR