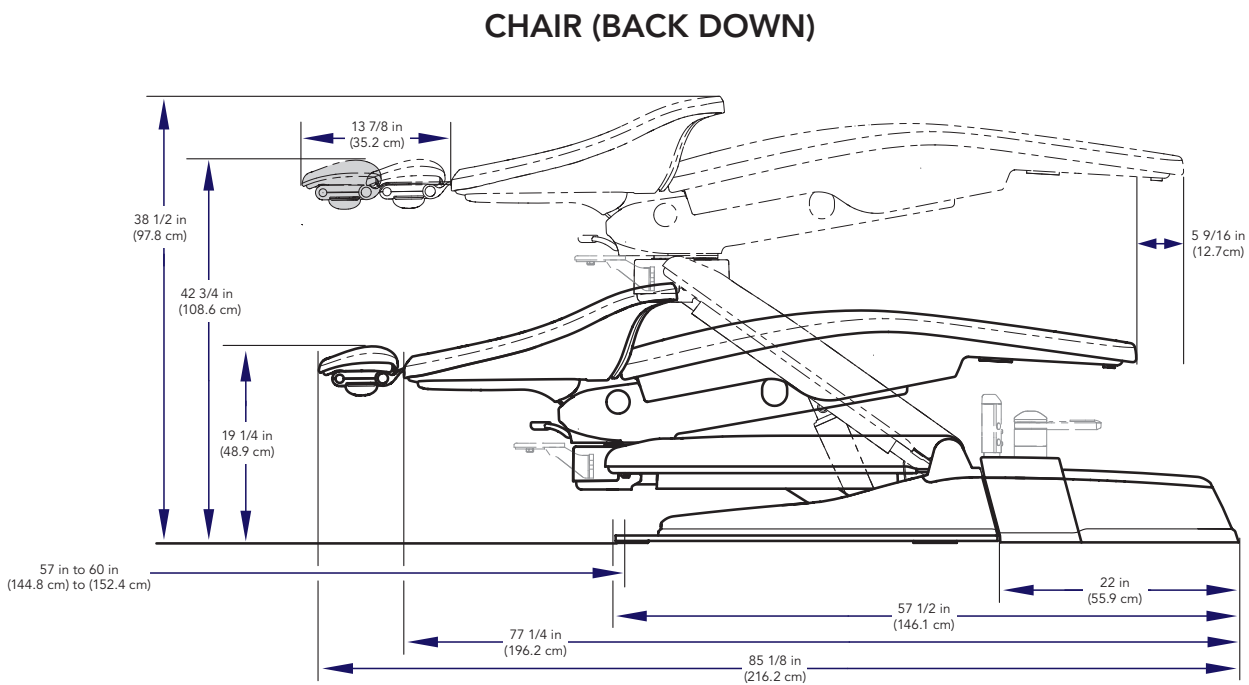
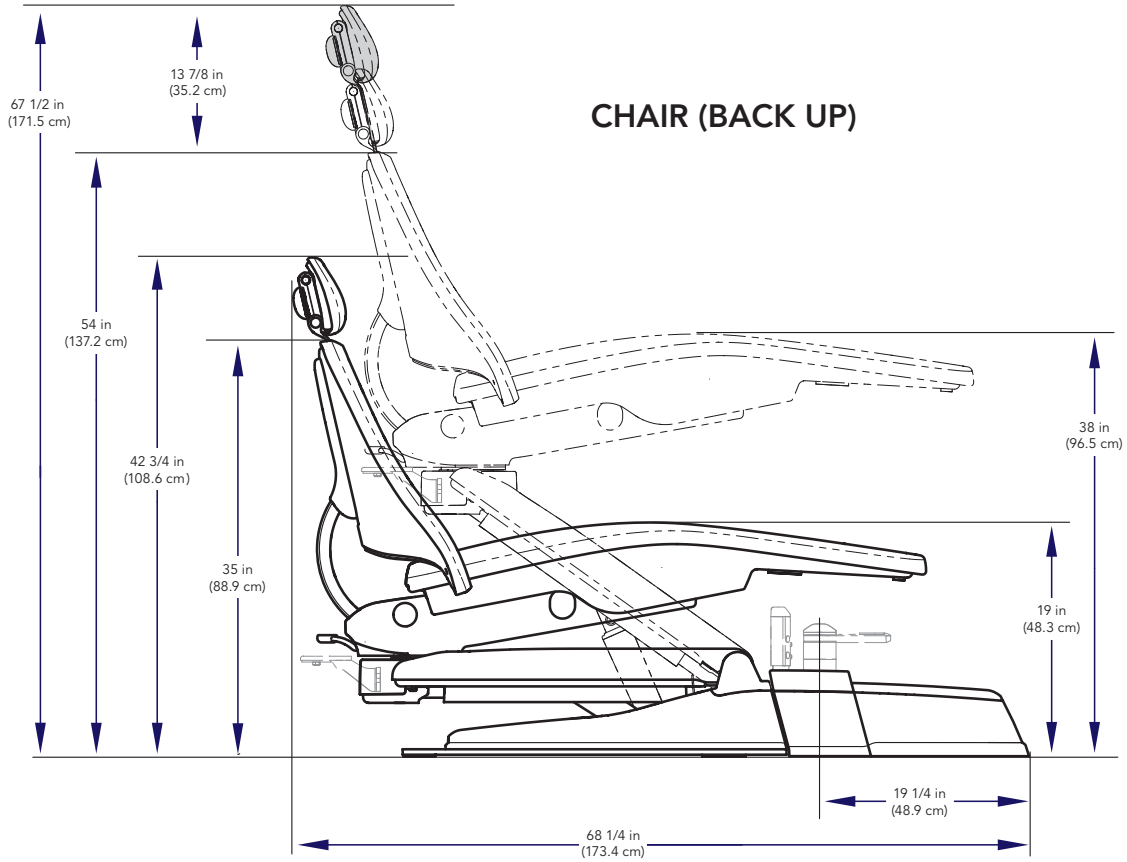


# Midmark Dental Chair



## SPECIFICATION

<b>Base Weight of Chair</b>	305 lb (138.4 kg)
<b>Shipping Weight</b>	420 lb (190.5 kg)
<b>Patient Weight (max)</b>	500 lb (226.8 kg)
<b>Power Cord Length</b>	5 or 12 feet (1.52 or 3.66 meters)
<b>Electrical Rating</b>	120 V, 8A, 60Hz
<b>Duty Cycle</b>	Intermittent operation (Back and Base Actuators: 30 seconds ON / 5 minutes OFF)
<b>Fuses</b>	F1 & F2 (Line Input) F 8A H 250 V F3 (Motors) T 6.3A L 250 V
<b>Classifications</b>	Class I, Type B Applied Part
<b>Certifications</b>	ANSI/AAMI ES60601-1:2005 & A1:2012 & A2:2021 CAN/CSA-C22.2 No. 60601-1:14 (R2022) IEC 60601-1-6:2010+A1:2013+A2:2020 CAN/CSA-C22.2 NO. 60601-1-6:11/A2:21 (R2021) IEC 80601-2-60:2019 CSA C22.2 No. 80601-2-60:23 PX1 Foot Control
<b>Compliance</b>	IEC 60601-1-2:2014+A1:2020 IEC TS 60601-4-2:2024

## CONNECTIVITY

<b>Network Protocols</b>		Link Layer: IEEE 802.3, IEEE 802.11 Internet Layer: IP Transport: TCP, UDP App Layer: TLS, MQTT, NTP, HTTP, etc.
<b>Network Data</b>	LAN Physical Connection	RJ-45
	LAN Cabling	Ethernet (min. CAT 5)
	LAN Max Speeds	10/100 Mbps
	LAN Protocols	IEEE 802.3u
	Wi-Fi Connection	The device supports connectivity to Wi-Fi using the following standards: 802.11a/b/g/n/ac
	Operational Frequency	2.4 GHz or 5.0 GHz
	Wi-Fi Security Standards	When connecting to Wi-Fi, the device uses the following security standards: WPA2-PSK, WPA2 PEAP/MSCHAPv2, WPA2 EAP-TLS
	Network Interface Card Parameters	Not Applicable

## FEATURES AND BENEFITS

Midmark Dental Chair CH-1000-001	Available Features	Benefits
<b>Integrated Backrest</b> CH-INTBACK	✓	Backrest provides exceptional clinician access to the patient with a chair back that is narrower with integrated armrests that are positioned with the back for unencumbered patient entry and exit.
<b>Adjustable Backrest</b> CH-ADJBACK-ARM	✓	Enables patient positioning for proper clinician ergonomics. Backrest is adjustable to accommodate the 4" torso range that covers 5-95% of population. Armrests are optional.
<b>Simplicity Backrest</b> CH-SIMPLBACK-ARM	✓	Provides patient support with a wider back that increases the perception of comfort. Rotating armrests included with a traditional backrest. Armrests can be adjusted in two positions – down and supine.
<b>Range of Motion</b>	✓	Cantilever forward design that offers 5.6" of horizontal traverse
<b>Chair at lowest point</b>	✓	A minimum chair height of 19"
<b>Chair at highest point</b>	✓	Exceptional maximum chair height of 38" +/- 0.5" offering an extensive range of motion to accommodate every dental procedure with ease and precision.
<b>Actuator</b>	✓	Soft start and stop actuator to maintain a consistent movement speed under any patient weight up to 500 lb, compared to hydraulic chairs that may slow down under heavier loads. Operates at lower noise levels than hydraulic dental chairs on the market. Unlike hydraulic chairs, the Midmark Dental Chair uses an electric actuator for back and forth movements, eliminating the risk of hydraulic fluid leaks.
<b>Rotation</b>	✓	60° Swivel (30° each side of center) regardless if there is a LR unit or not.
<b>Chair Mount</b>	✓	The Midmark Dental Chair and Left/Right Chair-Mounted Dental Delivery System operate independently, helping to ensure repositioning the chair and patient does not shift the delivery system-and vice versa. Independent movement helps keep patients, instruments and supplies exactly where you need them.
<b>Heavy-duty stamped steel backrest</b>	✓	Stamped steel backrest provides support by minimizing shaking and enhances stability of the chair.
<b>Chair seat + toe board tilt for cradling comfort</b>	✓	Contoured chair seat helps distribute pressure and reduce localized compression. When in an extended procedure duration, downward curvature of toe board helps patient blood flow.
<b>Double-articulating headrest</b>	✓	Midmark Dental Chair double-articulating headrests are designed with a wide range of motion to provide head and neck support while properly positioning patients for procedures, maximize patient comfort, and enhance clinician visibility. Unlike traditional headrests that require manual locking or repeated adjustments for vertical positioning, the Midmark Dental Chair uses magnets to hold the headrest securely in place.
<b>Dual-position armrests</b>	✓ (not available with integrated backrest)	Armrests can be adjusted into two positions 1. Down - Out of the way for patient ingress/egress. 2. Supine - Standard position for patient support when in the chair.
<b>Chair Control</b>	✓	Chair controls are available as a foot control and/or touchpad control on the delivery system.
<b>Heat and Massage</b>	✓	Optional heat and massage upgrades comfort for patients.
<b>Collision Protection System</b>	✓	Equipped with a Collision Protection System designed to prevent damage to personnel or equipment. If a chair cover hits an object as it is lowering, it stops and raises slightly to disengage contact; the chair also beeps until the control button is released.
<b>Maximum patient weight</b>	✓	The Midmark Dental Chair supports up to 500 pounds (227 kg) and passes overload testing at 2,000 pounds - four times it's weight - to meet UL certification standards. Supporting up to 500 pounds - 46% more than the weight of a 99th percentile adult male, according to NHANES survey data. <sup>1</sup>
<b>Upholstery Options</b>	✓	Standard and Ultraleather® Upholstery options which offers curves, limited-seams and surfaces that are designed to support infection prevention and simplify cleaning while offering ultimate patient comfort.
<b>Limited Warranty</b>	✓	5-year
<b>Connectivity - Smart View</b>	✓	Register, connect and software updates

Ultrafabrics is a registered trademark and brand of Ultrafabrics LLC, Tarrytown, NY.

### SOURCE

1 Based on CDC/NCHS National Health and Nutrition Examination Survey (NHANES) 2021–2023 anthropometric reference data (Table 4), showing a 95th-percentile body weight of 290.6 lb for US adult men (ages 20+). [https://www.cdc.gov/nchs/data/series/sr\\_03/sr03-050.pdf](https://www.cdc.gov/nchs/data/series/sr_03/sr03-050.pdf)