QuickSpecs

Technical Specifications

HP Series 7 Pro 24 inch WUXGA Monitor-724pn
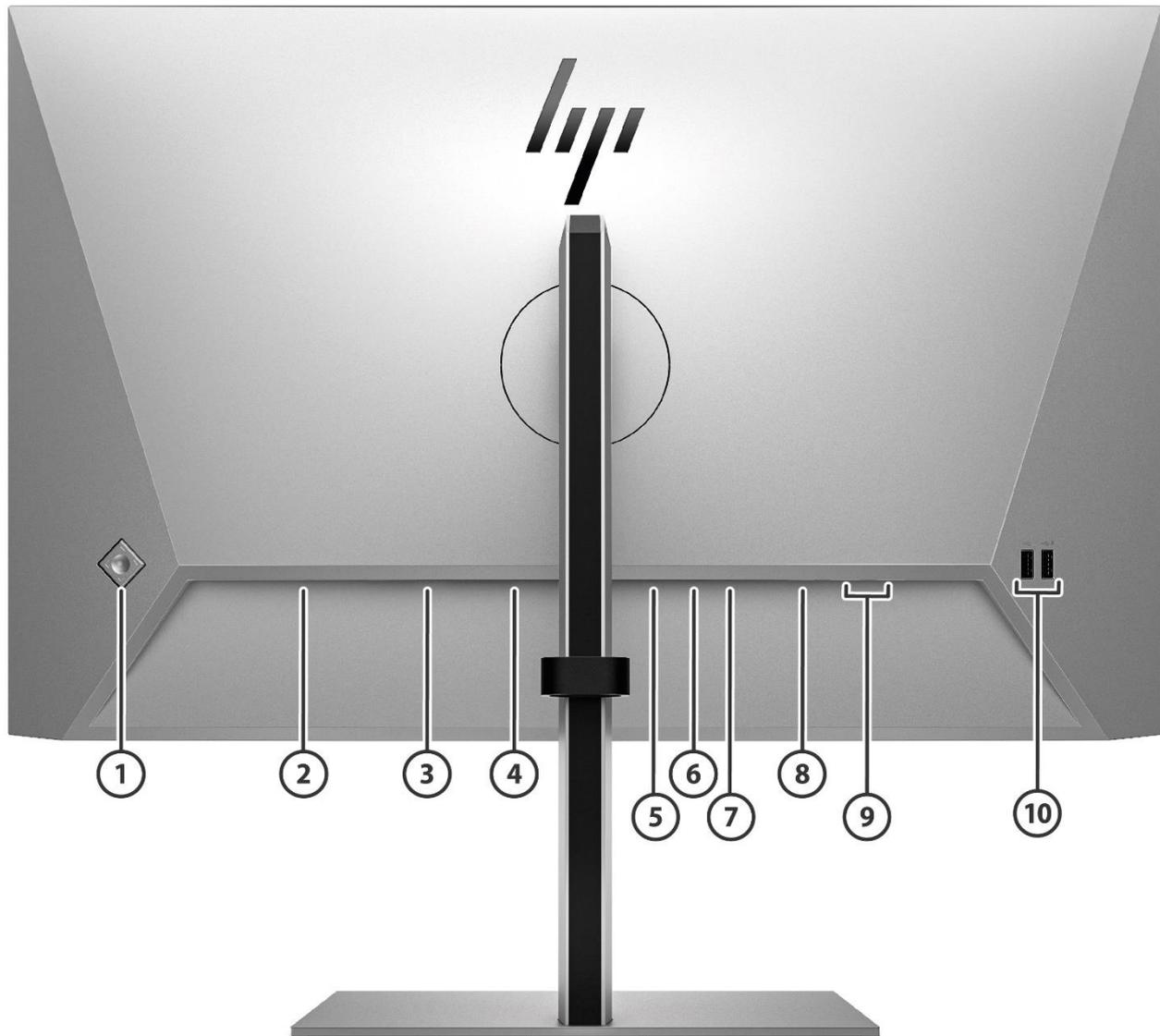

Front

1. Power Button
2. Power LED

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HP Series 7 Pro 24 inch WUXGA Monitor-724pn

Back

1.	Joypad OSD Button	**6.**	DisplayPort™ 1.2 connector
2.	Security Cable slot	**7.**	DisplayPort™ 1.2-out
3.	On/Off Switch	**8.**	USB-B (Upstream Hub enablement)
4.	Power Connector	**9.**	SuperSpeed USB Type-A 5Gbps signaling rate (2) (1 charging)
5.	HDMI 1.4 Connector	**10.**	SuperSpeed USB Type-A 5Gbps signaling rate (2) (1 charging)

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Model: 8X534AA, 8X534E9, 8X534A5

Panel Specifications	Display Size (Diagonal)	24" (61.0 cm)
	Viewable Diagonal Size	61
	Panel Technology	IPS
	Curvature	Flat
	Max Refresh Rate	100 Hz
	Native Resolution	WUXGA (1920 x 1200)
	Panel Bit Depth	8 bit (6 bit + FRC)
	Aspect Ratio	16:10
	Brightness (Typical)	350 nits
	Display Contrast Ratio (Static)	1500:1
	Display Contrast Ratio (Dynamic)	10000000:1 = 10M:1
	Flicker-Free	Yes
	Pixel Pitch	0.27x0.27
	Pixels Per Inch (Ppi)	94 PPI
	Display Colors	Up to 16.7 million colors supported*
		*Number of colors through A-FRC technology.
	Backlight Lamp Life Minimum (To Half Brightness - In Hours)	30k
	Backlight Type	Edge-lit
	Screen Treatment	Anti-glare
	Hardness	3H
	Haze	25
	Response Time (Typical)	5ms GtG (with overdrive)
	Horizontal Viewing Angle (Typical Cr>10)	178°
	Vertical Viewing Angle (Typical Cr>10)	178°
	Panel Active Area Metric (W x H)	51.84 x 32.4 cm
	Panel Active Area Imperial (W x H)	20.4 x 12.8 in

NOTE: Performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower.

Color	sRGB	99%
	Display P3	85%

Color Management	Factory Color Calibrated	Yes
	Calibrated Color Presets	sRGB 99%
	Color Space/ Subsampling Support	RGB 4:4:4, YCBCR 4:4:4, YCBCR 4:2:2
	RGB Channel Adjust	Yes, Gain
	Default Color Temperature	Standard (6500K)

Monitor Specifications	Bezel Type	4-sided Micro Edge
	Color Of Stand	Black/Silver
	Color Of Head	Black/Silver
	Tilt	-5 to +20°
	Swivel	±45°
	Pivot	±90°
	Height Adjustment Range	150 mm

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	Vesa Mounting	100 mm x 100 mm (bracket included)
	Security Lock	Standard Security Lock Slot
	Detachable Stand	Yes
	Warranty	3/3/0 for LA, NA, EMEA, APJ (3/3/3 in select APJ Countries)
	Low Blue Light	Yes, HP Eye Ease (TÜV Low Blue Light Hardware Solution certified
	Zero Bright Dot Warranty	Yes
	Management Software	HP Display Center, HP Display Manager*
		*Host PC requires Windows 10 and above. HP Display Center is available on the Microsoft store.
On Screen Display (OSD)	**On Screen Display**	Brightness+, Color, Input, Power, Image, Menu, Management, Information, Exit
	Native Resolution	WUXGA (1920 x 1200 @ 60 Hz)*
		*DisplayPort 1.4 or HDMI 2.0 required to drive panel at its native resolution.
	Maximum Resolution	1920 x 1200 @ 100 Hz
	Preset Graphic Modes/Supported Resolutions	640x480@60Hz
		640x480@75Hz
		720x400@70Hz
		800x600@60Hz
		800x600@75Hz
		1024x768@60Hz
		1024x768@75Hz
		1280x800@60Hz
		1280x1024@60Hz
		1440x900@60Hz
		1600x900@60Hz
		1600x1200@60Hz
		1680x1050@60Hz
		1920x1080@60Hz
		1920x1080@100Hz, 226.37 MHz
		1920x1080@75Hz, 167.68 MHz
		1920x1080p@59.94Hz/60Hz
		1920x1200@60Hz
		1920x1200@60Hz [DMTv1r13]
		1920x1200@100Hz, 261.5 MHz
		1920x1200@75Hz [DMTv1r13]
	Minimum Vertical Scan Rate	50 Hz
	Maximum Vertical Scan Rate	100 Hz
	Minimum Horizontal Scan Rate	30.0 kHz
	Maximum Horizontal Scan Rate	146.0 kHz
	Maximum Pixel Clock	270.0 kHz
	User-Assignable Function Buttons	Yes, 5 buttons
	Languages	11 (English, Spanish, German, French, Italian, Netherlands, Portuguese, Japanese, T-Chinese, S-Chinese and Russian)

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Connector Types	**DisplayPort™**	1 DisplayPort™ 1.2
	DisplayPort™ Out	1 DisplayPort™ 1.2-out
	HDMI	1 HDMI 1.4
	HDCP	Yes, DisplayPort™ and HDMI
	USB- A	4 SuperSpeed USB Type-A 5Gbps signaling rate (1 charging)
	USB-B (Hub enablement)	1 USB-B
Special Features	**Switch**	5-in-1 joystick, Power
	User Presets	0
	User Updateable Firmware	Yes
	Other Special Features	Daisy Chain
Power & Operating Specs	**Power Supply**	Internal
	Power Source	100 – 240 VAC 50/60
	Power Consumption- Max	69
	Energy Saving/Stand By Mode	0.5
	Power Consumption - Typical	36
Energy Star Data	**Operational Mode at 100 VAC**	11.07 W
	Operational Mode at 115 VAC	11.05 W
	Operational Mode at 230 VAC	11.13 W
EU Energy Efficiency Class (ErP LOT-5)	**On-mode Power Consumption for Standard Dynamic Range (SDR)**	19.2 W
	ErP LOT5 Energy Efficiency Class for Standard Dynamic Range (SDR)	[A↑G] E
Operating Conditions	**Operating Temperature - Celsius**	5 – 35°
	Operating Temperature - Fahrenheit	41 – 95°
	Non-Operating Temperature - Celsius	−34 – 60°
	Non-Operating Temperature - Fahrenheit	29 – 140°F
	Operating Humidity	20 – 80% Relative Humidity (non-condensing)
	Non-Operating Humidity	5 – 95%
	Operating Altitude	0 – 5,000
	Non-operating Altitude	0 – 12.192
	Operating Altitude imperial	0 – 16,400
	Non-operating Altitude imperial	0 – 40,000
Certifications and Compliances	**Low Halogen**	Yes* *External power supplies, WWAN modules, power cords, cables and peripherals excluded.
	Agency Approvals and Certifications	WW application CE, CB, KC/KCC/NOM/PSB/ISC/EAC/GS/TUV-S/ISO 9241-307/ Low Blue Light/ BIS/cTUVus/CCC/CEL/CECP/SEPA/Energy Star/TCO/TCO Certified Edge/VCCI/FCC/BSMI/Vietnam MEPS/Australian-New Zealand MEPS/WEEE/UAE/Ukraine

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	Microsoft WHQL Certification	Win 11
	ENERGY STAR® Certified	Yes
	EPEAT® Registered	EPEAT® Gold in the United States*
	Regions need to verify by country	
		*Based on US EPEAT® registration according to IEEE 1680.1-2018 EPEAT®. Status varies by country. Visit http://www.epeat.net for more information.
	China Energy Label	CEL Grade 1
	TCO Certified Edge	Yes
	TCO Certified	Yes
	SmartWay Transport Partnership - NA only	Yes (NA sku)

Contains Recycled Plastics	**Contains Recycled Plastics**	90% post-consumer recycled plastic*, Contains Ocean-Bound Plastic**
		*Recycled plastic content percentage is based on the definition set in the IEEE 1680.1-2018 standard.
		**All plastic parts contain ocean-bound plastic. Percentage of ocean-bound plastic contained in each component varies by product.
	Recycled Metals	90% recycled metal *
		*Recycled metal is expressed as a percentage of the total weight of the metal according to ISO 14021 definitions for metal parts over 25 grams.
	Recyclable Packaging (Box, packing materials)	Outside Box and corrugated cushions are 100% sustainably sourced and recyclable*
		*100% outer box packaging and corrugated cushions made from sustainably sourced certified and recycled fibers.

		Metric	**Imperial**
Unit Product/Package Specifications	**Product Dimensions** (Unpacked with stand) (W x D x H)	53.17 x 19.5 x52.14 cm	20.93 x 7.68 x 20.53 in
	Product Dimensions (Packed) (W x D x H)	62.5 x 14.2 x 41.5 cm	24.61 x 5.59 x 16.33 in
	Display Head Dimensions (Unpacked without stand) (W x D x H)	53.17 x 3.85 x 34.29 cm	20.93 x 1.52 x 13.5 in
	Base Area Footprint (w x d)	232 x 195 mm	9.13 x 7.7 in
	Product Weight (Unpacked with stand)	4.8 kg	10.6 lb
	Product Weight (Packed)	7.4 kg	16.3 lb
	Product Weight (Head Only)	3.6 kg	7.9 lb
Pallet Information	**Pallet Dimensions** (L x W x H mm)	Slip sheet: 630 x 1150 x 2085 mm / 1260 x 1150 x 2085 mm (40'ft) Slip sheet:	24.8 x 45.28 x 82.08 inch / 49.61 x 45.28 x 82.08 inch (40'ft)

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		630 x 1150 x 2500 mm / 1260 x 1150 x 2500 mm (40'HQ) Pallet: 630 x 1150 x 2204 mm / 1260 x 1150 x 2204 mm	Slip sheet: 24.8 x 45.28 x 98.43 inch / 49.61 x 45.28 x 98.43 inch (40'HQ) Pallet: 24.8 x 45.28 x 86.77 inch / 49.61 x 45.28 x 86.77 inch
	Pallet Total Weight	Slip sheet: 301.5 / 598.5 kg (40'ft) Slip sheet: 361.2 / 717.4 kg (40'HQ) Pallet: 312.6 / 613.6 kg	Slip sheet: 664.7 / 1319.5 lb (40'ft) Slip sheet: 796.3 / 1581.6 lb (40'HQ) Pallet: 689.2 / 1352.8 lb
	Pallet Layers	5 layers (slip sheet for 40'ft); 6 layers (slip sheet for 40'HQ) 5 layers (pallet)	
	Pallet Product per Layer	8 / 16 sets	
	Total Products per Pallet	40 / 80 sets (slip sheet for 40'ft); 48 / 96 sets (slip sheet for 40'HQ) 40 / 80 sets (pallet)	
	Container Load, 20-Foot	720 sets (slip sheet and pallet)	
	Container Load, 40-Foot	1520 sets (slip sheet and pallet)	
	Container Load, 40-Foot HighQ	1824 sets (slip sheet) 1520 sets (pallet)	
What's in the box?	AC power cord (1.9m) 6.2 ft HDMI 1.4 cable (1.8m) 5.9 ft DP 1.2 cable (1.8m) USB 3.0 A–B cable (1.8m) Warranty, Quick Setup Poster Color calibration report, VESA mount adapter		
User Guide and Warranty Languages	**User Guide Languages**	English, Arabic, S. Chinese, T. Chinese, Czech, Danish, Dutch, Finnish, French, German, Greek, Hungarian, Italian, Japanese, Kazakh, Korean, Norwegian, Polish, Brazilian Portuguese, Russian, Slovenian, Spanish, Swedish and Turkish.	
	Warranty Languages	English, Arabic, S. Chinese, T. Chinese, Czech, Danish, Dutch, Finnish, French, German, Greek, Hungarian, Italian, Japanese, Kazakh, Korean, Norwegian, Polish, Brazilian Portuguese, Russian, Slovenian, Spanish, Swedish and Turkish.	

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ENVIRONMENTAL DATA

Eco-Label Certifications & declarations	This product has received or is in the process of being certified to the following approvals and may be labeled with one or more of these marks: • IT ECO declaration • US ENERGY STAR® • US Federal Energy Management Program (FEMP) • EPEAT Gold registered in the United States. See http://www.epeat.net for registration status in your country. • TCO Certified • China Energy Conservation Program (CECP) • China State Environmental Protection Administration (SEPA) • Taiwan Green Mark • Korea Eco-label • Japan PC Green label*
Sustainable Impact Specifications	• 80% post-consumer recycled plastic • 10% recycled metal • Low halogen • Outside Box and corrugated cushions are 100% sustainably sourced and recyclable • Recycled Plastic cushions
System Configuration	The configuration used for the Energy Consumption and Declared Noise Emissions data for the Notebook model is based on a "Typically Configured Notebook".

Energy Consumption (in accordance with US ENERGY STAR® test method)	**115VAC, 60Hz**	**230VAC, 50Hz**	**100VAC, 50Hz**
Normal Operation (Long idle)	11.05 W	11.13 W	11.07 W
Sleep	0.20 W	0.24 W	0.19 W
Off	0.12 W	0.16 W	0.12 W
	NOTE: Energy efficiency data listed is for an ENERGY STAR® compliant product if offered within the model family. HP computers marked with the ENERGY STAR® Logo are compliant with the applicable U.S. Environmental Protection Agency (EPA) ENERGY STAR® specifications for computers. If a model family does not offer ENERGY STAR® compliant configurations, then energy efficiency data listed is for a typically configured PC featuring a hard disk drive, a high efficiency power supply, and a Microsoft Windows® operating system.		

Heat Dissipation*	**115VAC, 60Hz**	**230VAC, 50Hz**	**100VAC, 50Hz**
Normal Operation (Long idle)	37.79 BTU/hr	38.06 BTU/hr	37.85 BTU/hr
Sleep	0.68 BTU/hr	0.82 BTU/hr	0.64 BTU/hr
Off	0.41 BTU/hr	0.54 BTU/hr	0.41 BTU/hr
	*NOTE: Heat dissipation is calculated based on the measured watts, assuming the service level is attained for one hour.		
Longevity and Upgrading	This product can be upgraded, possibly extending its useful life by several years. Upgradeable features and/or components contained in the Spare parts are available throughout the warranty period and or for up to "5" years after the end of production.		

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Additional Information	• This product is in compliance with the Restrictions of Hazardous Substances (RoHS) directive - 2011/65/EC. • This HP product is designed to comply with the Waste Electrical and Electronic Equipment (WEEE) Directive – 2002/96/EC. • This product is in compliance with California Proposition 65 (State of California; Safe Drinking Water and Toxic Enforcement Act of 1986). • This product is in compliance with the IEEE 1680 (EPEAT) standard at the Gold level, see www.epeat.net • Plastics parts weighing over 25 grams used in the product are marked per ISO11469 and ISO1043. • This product is 98.7% recycle-able when properly disposed of at end of life.		
Packaging Materials	**External:**	PAPER/Paperboard	1760 g
	Internal:	PLASTIC/Polyethylene Expanded – EPE	58 g
	The plastic packaging material contains at least 51.7% recycled content.		
	The corrugated paper packaging materials contains at least 90.0% recycled content.		
RoHS Compliance	HP Inc. complies fully with materials regulations. We were among the first companies to extend the restrictions in the European Union (EU) Restriction of Hazardous Substances (RoHS) Directive to our products worldwide through the HP GSE. HP has contributed to the development of related legislation in Europe, as well as China, India, and Vietnam. We believe the RoHS directive and similar laws play an important role in promoting industry-wide elimination of substances of concern. We have supported the inclusion of additional substances—including PVC, BFRs, and certain phthalates—in future RoHS legislation that pertains to electrical and electronics products. We met our voluntary objective to achieve worldwide compliance with the new EU RoHS requirements for virtually all relevant products by July 2013, and we will continue to extend the scope of the commitment to include further restricted substances as regulations continue to evolve. To obtain a copy of the HP RoHS Compliance Statement, see HP RoHS position statement.		
Material Usage	This product does not contain any of the following substances in excess of regulatory limits (refer to the HP General Specification for the Environment at http://www.hp.com/hpinfo/globalcitizenship/environment/supplychain/gen_specifications.html): • Asbestos • Certain Azo Colorants • Certain Brominated Flame Retardants – may not be used as flame retardants in plastics • Cadmium • Chlorinated Hydrocarbons • Chlorinated Paraffins • Bis(2-Ethylhexyl) phthalate (DEHP) • Benzyl butyl phthalate (BBP) • Dibutyl phthalate (DBP) • Diisobutyl phthalate (DIBP) • Formaldehyde • Halogenated Diphenyl Methanes • Lead carbonates and sulfates • Lead and Lead compounds • Mercuric Oxide Batteries		

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	• Nickel – finishes must not be used on the external surface designed to be frequently handled or carried by the user. • Ozone Depleting Substances • Polybrominated Biphenyls (PBBs) • Polybrominated Biphenyl Ethers (PBBEs) • Polybrominated Biphenyl Oxides (PBBOs) • Polychlorinated Biphenyl (PCB) • Polychlorinated Terphenyls (PCT) • Polyvinyl Chloride (PVC) – except for wires and cables, and certain retail packaging has been voluntarily removed from most applications. • Radioactive Substances • Tributyl Tin (TBT), Triphenyl Tin (TPT), Tributyl Tin Oxide (TBTO)
Packaging Usage	HP follows these guidelines to decrease the environmental impact of product packaging: • Eliminate the use of heavy metals such as lead, chromium, mercury and cadmium in packaging materials. • Eliminate the use of ozone-depleting substances (ODS) in packaging materials. • Design packaging materials for ease of disassembly. • Maximize the use of post-consumer recycled content materials in packaging materials. • Use readily recyclable packaging materials such as paper and corrugated materials. • Reduce size and weight of packages to improve transportation fuel efficiency. • Plastic packaging materials are marked according to ISO 11469 and DIN 6120 standards.
End-of-life Management and Recycling	HP offers end-of-life HP product return and recycling programs in many geographic areas. To recycle your product, please go to: http://www.hp.com/go/reuse-recycle or contact your nearest HP sales office. Products returned to HP will be recycled, recovered or disposed of in a responsible manner. The EU WEEE directive (2002/95/EC) requires manufacturers to provide treatment information for each product type for use by treatment facilities. This information (product disassembly instructions) is posted on the Hewlett Packard web site at: http://www.hp.com/go/recyclers. These instructions may be used by recyclers and other WEEE treatment facilities as well as HP OEM customers who integrate and re-sell HP equipment.

HP, Inc. Corporate Environmental Information	For more information about HP's commitment to the environment:
	
	Global Citizenship Report
	    http://www.hp.com/hpinfo/globalcitizenship/gcreport/index.html
	Eco-label certifications
	    http://www8.hp.com/us/en/hp-information/environment/ecolabels.html
	 ISO 14001 certificates:
	    http://h20195.www2.hp.com/V2/GetDocument.aspx?docname=c04755842
	    and
	http://www.hp.com/hpinfo/globalcitizenship/environment/pdf/cert.pdf

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footnotes	- Percentage of ocean-bound plastic contained in each component varies by product - Recycled plastic content percentage is based on the definition set in the IEEE 1680.1-2018 standard. - External power supplies, WWAN modules, power cords, cables and peripherals excluded. 100% outer box packaging and corrugated cushions made from sustainably sourced certified and recycled fibers. - Fiber cushions made from 100% recycled wood fiber and organic materials. - Plastic cushions are made from >90% recycled plastic.

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Summary

Change Log			
	V1 to V2		