

Data sheet

# HP PageWide Web Press T200 HD Color series



Grow your business with this highly versatile and productive press



Expand your offerings with a roll-to-roll inkjet press from HP that delivers unprecedented productivity, versatility, and print quality across a wide range of commercial applications. Impress clients with a press that's easy to use and meets your workflow needs.

## Outstanding image quality—print a broad range of applications

HP High Definition Nozzle Architecture (HDNA) completely raises the bar in digital color quality, using 2400 nozzles per inch native resolution and dual drop weight to deliver image detail like never before. The result: image quality ideal for demanding applications in publishing, direct mail, and commercial print.

- See outstanding image quality with smooth skin tones and incredible shadow detail with HP HDNA's 2400 nozzles per inch native resolution and dual drop weight in Quality mode.
- Produce top notch results with continuous alignment—the press continuously monitors and actively adjusts color to color registration to provide consistent quality throughout a run.
- Sustain full productivity while enhancing image grain and shadow detail with dual drop weight black on the HP PageWide Web Press T240 HD in Performance HDK mode.
- Deliver uncompromising color consistently with HP's set of on-press and pre-press color management tools, for example, the optional HP SmartStream Color Studio.



## Win more jobs with unprecedented versatility

- Print high-quality text, high coverage images, and graphics with 100% variable content at full press speed in Performance mode,<sup>1</sup> or print in the new HDNA Quality mode<sup>2</sup> on a 22-inch (559 mm) web. Both enable you to do more: pitch new ideas and expand your offering to include books, magazines, catalogs, inserts, direct mail, and commercial printing applications.
- Produce high-quality prints on every category of media, including matte and gloss offset coated media with HP Priming Agent and offset uncoated media with HP Bonding Agent. Also work with a broad range of ColorPRO and compatible inkjet papers certified by the HP Media Certification Program.
- HP’s SmartStream workflow products and finishing partners streamline print production for you. Advanced color management tools and an end-to-end workflow enabled by HP and HP partners offer greater flexibility—with specific solutions to address key market segments that are customizable and scalable to your unique business needs.
- Expand the capability of an HDNA press with the Magnetic Ink Character Recognition (MICR) option, used primarily by the banking industry to facilitate the processing of checks. The technology allows computers to read information (such as account numbers) on printed documents.

## Get exceptional color productivity

- Meet tight deadlines with fast color speeds. Print duplex speeds up to 152 m (500 ft) per minute in full color with the HP PageWide Web Press T240 HD with 100% variable content at full press speed in Performance and Performance HDK modes<sup>1,2</sup>.
- Experience robust performance with a high duty cycle. With its solid design and productivity up to 58 million four-color A4 images per month, these presses are optimal for moving your existing offset work to digital and providing the capacity and versatility needed for additional applications.
- Optimize press uptime with proven HP HDNA Technology—minimize print defects and reduce waste. With a compact nozzle design, HP HDNA Technology uses multiple nozzles to address each pixel. Built-in 4-8x nozzle redundancy ensures greater uptime by minimizing print defects, reducing waste, and maintaining high print quality over long runs.
- Maximize your press’ production availability with easy, automated quality control features. The HP PageWide Web Press T240 HD provides multiple ways to check quality during a print run, including the optional HP Quality Image Check Vision System, which monitors nozzle health by selectively comparing the RIP output to the printed image.



	HP PageWide Web Press T240 HD	HP PageWide Web Press T235 HD
<b>Max speed</b>	Performance mode <sup>1</sup>	Up to 152 m (500 ft) per minute
	Performance HDK mode <sup>2</sup>	Up to 152 m (500 ft) per minute
	Quality mode <sup>3</sup>	Up to 76 m (250 ft) per minute
<b>Max Duty cycle</b>	Performance mode <sup>1</sup>	58 million A4 images per month
	Performance HDK mode <sup>2</sup>	58 million A4 images per month
	Quality mode <sup>3</sup>	32 million A4 images per month
<b>Web width</b>	Up to 559 mm (22 in) <sup>4</sup>	
<b>Print width</b>	Up to 521 mm (20.5 in)	
<b>Print technology</b>	HP High Definition Nozzle Architecture Thermal Inkjet	
<b>Native resolution</b>	2400 nozzles per inch	
<b>Media range</b>	40 to 250 gsm or up to 10 pt. <sup>5</sup> 30- to 170-lb text, 90-lb cover	

<sup>1</sup> Performance mode delivers high quality using single (or high) drop weights.  
<sup>2</sup> Performance HDK mode delivers higher quality using dual drop weights on black ink at Performance mode speed.  
<sup>3</sup> Quality mode delivers the highest quality using dual—low and high—drop weights.  
<sup>4</sup> Requires CM779# Unwind Module and CM825# Duplex Rewind Module.  
<sup>5</sup> Press configuration supports 40- 250 gsm and up to 10 pt. Customer application-specific testing advised for media between 40-60 gsm or 215-250 gsm or greater than 9 pt.



HP A50 PageWide Web Press Inks have achieved UL Sustainable Product Certification (under UL 2801, referred to as CCD-040, an EcoLogo® standard, in Canada), which demonstrates that they meet a range of stringent criteria related to human health and environmental considerations. You can learn more about this certification at [ul.com/environment](http://ul.com/environment)

### Eco highlights

- Reduce waste with digital on-demand printing
- Water-based HP inks—no hazard warning labels; no HAPs intentionally added;\* non-flammable and non-combustible\*\*
- Very low VOC emissions\*\*\*
- Free and convenient printhead recycling\*\*\*\*

### To Learn more:

[hp.com/ecosolutions](http://hp.com/ecosolutions)  
[hp.com/recycle](http://hp.com/recycle)

\* Hazardous Air Pollutants (HAPs) may be present at extremely low levels (< 0.1%) according to EPA Method 311

\*\* Not classified as flammable or combustible liquids under the USDOT or international transportation regulations. These materials have been tested per US Environmental Protection Agency Method 1020 and the flash point is greater than 110°C

\*\*\* Actual results may vary depending on operating conditions. Consult local authorities regarding Volatile Organic Compound (VOC) regulations in your area

\*\*\*\* Visit [hp.com/recycle](http://hp.com/recycle) to see how to participate and for HP Planet Partners program availability

## High-tech solutions customized for your printing success

HP Solutions expertise can help shorten your path to success and sharpen your competitive edge. HP's dedicated Solutions Team will work with you to determine your end-to-end requirements, and to recommend a solution customized to meet the specific demands of your business. Additionally, HP offers a full line of services to help you effectively run your digital printing business—from site preparation to training and service programs.

## Enhance your productivity with HP Service Edge

Running a successful print business means always staying ahead of the competition with game-changing innovation. We're on your team from day one to better equip your people with expertise and independent issue resolution, drive greater efficiency with smart data systems, and help grow and transform your business. With the HP Service Edge, you can move ahead with peace of mind and confidence that your HP PageWide Web Press investment is working hard to return the highest levels of productivity day after day. With professional business solutions, we're working together with you to fuel your business success.

## Reinvent your operations and business

PrintOS is an operating system for your business—an open, secure cloud-based platform that helps you get more out of your HP PageWide Web Presses and your print production operations. Leverage PrintOS applications to increase efficiency, make better-informed decisions, innovate, collaborate, drive growth—and increase profitability.



## Technical specifications

	HP PageWide Web Press T240 HD	HP PageWide Web Press T235 HD	
<b>Throughput</b>	Performance mode <sup>1</sup>	Up to 152 m (500 ft) per minute	Up to 122 m (400 ft) per minute
	Performance HDK mode <sup>2</sup>	Up to 152 m (500 ft) per minute	Not available
	Quality mode <sup>3</sup>	Up to 76 m (250 ft) per minute	Up to 61 m (200 ft) per minute
<b>Max Duty cycle</b>	Performance mode <sup>1</sup>	58 million A4 images per month	48 million A4 images per month
	Performance HDK mode <sup>2</sup>	58 million A4 images per month	Not available
	Quality mode <sup>3</sup>	32 million A4 images per month	26 million A4 images per month
<b>Media</b>	Handling: Tight web continuous roll feed Paper width: 203 to 558 mm (8 to 22 in) <sup>4</sup> Weight: 40 to 250gsm <sup>5</sup> , 30- to 170-lb text, 90-lb cover Media types: Wide range of standard uncoated offset media and inkjet-optimized coated media ColorPRO media: For information on papers with ColorPRO Technology, see <a href="http://hpcolorprotocols.com/media-locator/">hpcolorprotocols.com/media-locator/</a>		
<b>Printing</b>	Print technology: Thermal Inkjet Native resolution: 2400 nozzles per inch Ink type: Environmentally friendly HP A50 pigment inks and Bonding Agent Ink colors: CMYK, MICR option Printable width: Up to 521 mm (20.5 in) Printable frame length: From 216 to 1829 mm (8.5 to 72 in)		
<b>Dimensions (W x L x H)</b>	3 x 11.6 x 2.7 m (117 x 455 x 107 in) <sup>6</sup>		
<b>Operating environment</b>	Press operating temperature range: Optimal 18 to 24° C (64 to 75° F) Digital front-end operating temperature range: Refer to HP ProLiant Server QuickSpecs on <a href="http://hp.com/go/ProLiant">hp.com/go/ProLiant</a> or consult your HP Solutions professional Humidity: 40 to 60% RH <sup>7</sup>		
<b>Press operating requirements</b>	Electrical voltage: 400V to 480V, 3 phase		
<b>Consumables</b>	Printheads: HP A52, A53 printheads (separate printheads for CMYK colors and Bonding Agent) Ink supplies: HP 200-liter pigment ink containers (separate containers for each color and Bonding Agent) Servicing: HP 10-pack Web Wipe Cassette		
<b>Standard configurations</b>	Color Calibration HP Standard Vision System		
<b>Optional equipment/ configurations</b>	Configuration options available to address specific printing requirements <ul style="list-style-type: none"> <li>• Extended dryer capacity</li> <li>• Expanded Digital Front End (DFE) capacity</li> <li>• HP In-line Priming solution</li> <li>• HP SmartStream Color Studio</li> <li>• HP Quality Image Check Vision System</li> <li>• Unwind and rewind units</li> <li>• Remote work station accessory</li> <li>• MICR</li> </ul>		
<b>Warranty</b>	Six-month limited warranty		

Press performance can be influenced by a variety of factors including press, dryer and digital front end configuration, print speed, media selection, print application, and environmental factors. For further details, please ask your HP representative.

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<sup>3</sup> Quality mode delivers the highest quality using dual—low and high—drop weights.

<sup>4</sup> Requires CM779# Unwind Module and CM825# Duplex Rewind Module.

<sup>5</sup> Press configuration supports 40-250 gsm and up to 10 pt. Customer application-specific testing advised for media between 40-60 gsm or 215-250 gsm or greater than 9 pt.

<sup>6</sup> Dimensions for standard configuration with optional unwinder and rewinder.

