HP Color LaserJet Pro MFP 3302fdw

Active 499Q8F Series \rightarrow

Specifications

All Specs

All Opecs	
ADF Capacity	50
Auto document feeder capacity footnote	[16] Recommended Auto Document Feeder Capacity when doing multiple two-sided copies is 25 sheets.
Auto fax reduction supported	Yes
Automatic document feeder capacity	Standard, 50 sheets
Automatic paper sensor	NO
Bit depth	24-bit
Blue Angel compliant	Yes, Blue Angel DE-UZ 219—only ensured when using Original HP supplies
Bottom margin (A4)	5 mm
Certifications and compliances	RCM (Australia), TUV and GS Mark (Germany), BSMI (Taiwan), CCC (China), BIS (India), KC (South Korea), SIRIM (Malaysia), Cambodia, Ukraine, EAC, Eastern European approvals, CE Marking, FCC, Energy Star, UL, Paraguay, Chile, Indonesia, Singapore, Philippines, etc.
Color or black	Color
Color scanning	Yes
Compatible Network Operating Systems	Windows 11; Windows 10; Windows Server; macOS 12 Monterey; macOS 13 Ventura; MacOS v14 Sonoma; Linux
Compatible Operating Systems	Windows 11; Windows 10; Android; iOS; macOS 12 Monterey; macOS 13 Ventura; MacOS v14 Sonoma; Linux
Configurable items	HP Color LaserJet Pro MFP 3301-3304,3388
Connection type	Wireless
Connectivity, standard	1 Gigabit Ethernet 10/100/1000 Base-TX network; 1 Hi-Speed USB 2.0 (device); 1 Hi-Speed USB 2.0 (host); 1 Wi-Fi 802.11ac (dual band); 2 RJ-11 Fax/Modem port/phone line; Auto-crossover Ethernet
Control panel	4.3" Capacitive Touch Colour Display
Copier scaling (ADF)	25 to 400%

Copier settings	Colour; ID Copy; Number of Copies; Lighter/Darker; Original Size; Paper Size; Paper type; Two-sided copy; Paper Source; Duplex; N- up; Binding Margin; Booklet
Copies, maximum	Up to 999 copies
Copy reduce / enlarge settings	25 to 400%
Copy resolution (black text)	Up to 600 x 600 dpi
Copy resolution (color text and graphics)	Up to 600 x 600 dpi
Copy speed (black, normal quality, A4)	Up to 25 cpm



Copy speed (color, normal quality, A4)	Up to 25 cpm
Copy speed black duplex (A4)	Up to 15 cpm
Copy speed black duplex (Letter)	Up to 15.5 cpm
Copy speed color duplex (A4)	Up to 15 cpm
Copy speed color duplex (Letter)	Up to 15.5 cpm
Copy speed note	[4] First Copy Out from Ready and Simplex Copy Speed measured using ISO/IEC 29183, Duplex Copy Speed measured using ISO/IEC 24735, excludes first set of test documents. For more information see https://www.hp.com/go/printerclaims . Exact speed varies depending on the system configuration, software application and document complexity.
Country of origin	Made in Vietnam
Digital sending standard features	Scan to Email, Scan to Network Folder, Scan to Sharepoint, Scan to USB, Scan to Computer
Display	4.3" diagonal colour TFT-backlit (480 x 272)
Display area (imperial)	3.74 x 2.12 in
Display area (metric)	9.5 x 5.4 cm
Distinctive ring detection supported	Yes
Downloadable software	HP Easy Start, HP Printer Software
Driver updates	From Windows Update or HP Support Page
Duplex ADF scanning	Yes
Duplex printing	Automatic
Duty cycle (monthly, A4)	Up to 40,000 pages
Duty cycle (monthly, letter)	Up to 40,000 pages
Duty cycle note	[10] Duty cycle is defined as the maximum number of pages per month of imaged output. This value provides a comparison of product robustness in relation to other HP LaserJet or HP Color LaserJet devices, and enables appropriate deployment of printers and MFPs to satisfy the demands of connected individuals or groups.
Ecolabels	Blue Angel
Electromagnetic compatibility	EN IEC 61000-3-2:2019 +A1:2021; EN 61000-3-3:2021; CISPR 32:2019; CISPR 35:2016; EN 55032:2015+A11:2020+A1:2020; EN 55035:2017+A11:2020; EN 61000-4-12:2017; FCC CFR 47 Part 15B; ICES-003, Issue 6:2019; Other EMC approvals as required by individual countries.
Email addresses stored	200

End of Life CO2e (kg)	33
Energy savings feature technology	HP Auto-On/Auto-Off Technology
Energy star certified	No
Envelope Feeder	NO
Fax Auto Redial	Yes
Fax Broadcast Locations	0
Fax delayed sending	Yes



Fax forwarding	Yes
Fax memory	Up to 500 pages
Fax PC Interface Supported	Yes, Windows fax driver, HP PC Send Fax Driver 2.0
Fax phone TAM interface supported	No
Fax Polling	No
Fax Remote Retrieval	No
Fax resolution black	Up to 203 x 196 dpi
Fax Resolution Black (best)	Up to 300 x 300 dpi
Fax smart software features	Mobile Fax with HP Cloud Account
Fax Speed Dials, Maximum Number	Up to 200 numbers
Fax telephone mode supported	Yes
Fax Transmission Speed	Up to 33.6 kbps
Fax transmission speed (letter)	3 sec per page
Faxing	Yes
File Format Supported	JPEG; PDF; TIFF; PDF/A
Finished output handling	Sheet Feed
First copy out black (A4, sleep)	As fast as 9.8 sec
First copy out black (A4)	As fast as 9.7 sec
First copy out black (letter, sleep)	As fast as 9.7 sec
First copy out black (letter)	As fast as 9.6 sec
First copy out color (A4, sleep)	As fast as 14.0 sec
First copy out color (A4)	As fast as 13.9 sec
First copy out color (letter, sleep)	As fast as 13.6 sec
First copy out color (letter)	As fast as 13.5 sec

First page out black (A4, ready) As fast as 10.9 sec

First page out black (A4, sleep) As fast as 11.0 sec

First page out black (letter, ready) As fast as 10.8 sec

First page out black (letter, sleep) As fast as 10.9 sec

First page out color (A4, ready) As fast as 11.0 sec

First page out color (A4, sleep) As fast as 11.1 sec

First page out color (letter, ready) As fast as 10.9 sec



First page out color (letter, sleep)	As fast as 11.0 sec
First page out footnote	[9] Measured using ISO/IEC 17629. For more information see https://www.hp.com/go/printerclaims . Exact speed varies depending on the system configuration, software application, driver, and document complexity.
Fonts and typefaces	111 Scalable TrueType Fonts
Functions	Print, copy, scan, fax
Harmonized tariff schedule code	8443310000
Input capacity	Tray 2: Up to 250 sheets (Up to 25 mm stack)
Junk fax barrier	Yes, requires Caller ID
Left margin (A4)	5 mm
Levels of grayscale	256
Mac compatible	Yes
Manufacturer Warranty	One-year limited warranty. For more information please visit us at https://www.support.hp.com[14]. 3-year HP commercial warranty at no extra cost (register within first 60 days at https://www.hp.com/eu/3yearwarranty).
Maximum Input Capacity (envelopes)	Up to 10 envelopes
Maximum input capacity (sheets)	Up to 251 sheets
Maximum Memory	512 MB
Maximum output capacity (sheets)	Up to 100 sheets @ 75gsm (or up to 15 mm stack)
Maximum print area	215.9 x 355.6 mm
Media size (ADF)	A4; LTR; LGL
Media size, tray 1	Letter; Legal; Executive; Oficio 8.5 x 13; 4 x 6; 5 x 8; A4; A5; A6; B5 (JIS); B6 (JIS); 10 x 15 cm; Oficio 216 x 340 mm; 16K 195 x 270 mm; 16K 184 x 260 mm; 16K 197 x 273 mm; Postcard (JIS); Envelope #10; Envelope Monarch; Envelope B5; Envelope C5; Envelope DL; A5-R; Custom
Media size, tray 2	Letter; Legal; Executive; Oficio 8.5 x 13; 4 x 6; 5 x 8; A4; A5; A6; B5 (JIS); B6 (JIS); 10 x 15 cm; Oficio 216 x 340 mm; 16K 195 x 270 mm; 16K 184 x 260 mm; 16K 197 x 273 mm; Postcard (JIS); Envelope #10; Envelope Monarch; Envelope B5; Envelope C5; Envelope DL; A5-R; Custom
Media sizes supported	A4; A5; A6; B5 (JIS); B6 (JIS); 10 x 15 cm; Oficio 216 x 340 mm; 16K 195 x 270 mm; 16K 184 x 260 mm; 16K 197 x 273 mm; Postcard (JIS); Envelope B5; Envelope C5; Envelope DL; A5-R
Media sizes supported, key	10 x 15 cm; A4; Envelopes
Media sizes, custom	76 x 127 mm to 216 x 356 mm
Media type and capacity, ADF	50 sheet on 20 lb plain paper
Media type and capacity, tray 1	1 sheet for all media type
Media type and capacity, tray 2	Sheets: Up to 250; Transparencies: Up to 10mm; Envelope: Up to 10
Media types	Paper (bond, brochure, coloured, glossy, heavy, letterhead, light, plain, preprinted, prepunched, recycled, rough), transparencies, labels, envelopes, cardstock
Media weight (tray 1)	60 to 163 g/m² Paper; Up to 176 g/m² with postcards; Up to 200g/m² Glossy Papers
Media weight (tray 2)	60 to 163 g/m² Paper; Up to 176 g/m² with postcards; Up to 200g/m² Glossy Papers



Media weight, supported	60 to 163 g/m² Paper; Up to 176 g/m² with postcards; Up to 200g/m² Glossy Papers
Media weights, supported ADF	60 to 90 g/m ²
Memory	512 MB
Minimum System Requirements	Microsoft® Windows® 11, 10: 32-bit or 64-bit, 2 GB available hard disk space, Internet connection
Minimum System Requirements for Macintosh	Apple® macOS 12.0 Monterey; macOS 13.0 Ventura; macOS v14 Sonoma; 2GB HD; Internet required
Mobile printing capability	HP Smart App; Apple AirPrint™; Mobile Apps; Mopria™ Certified; Wi-Fi® Direct Printing
Model number	3302fdw
Modem	33.6 kbps
Native scan file format	PDF; JPG
Network capabilities	Built-in 10/100/1000Base-TX Ethernet, Gigabit; Auto-crossover Ethernet; Authentication via 802.1X
Network protocols, supported	TCP/IPv4, TCP/IPv6, DHCP, DNS.
Number of print cartridges	4 (1 each black, cyan, magenta, yellow)
Operating humidity range	10 to 80% RH
Operating system (supported note)	[13] Windows Server 2016, Windows Server 2019, Windows Server 2022, Linux (For more information see https://www.developers.hp.com/hp-linux-imaging-and-printing)
Operating temperature range	59 to 86°F
Output capacity	Up to 100 sheets @ 75gsm (or up to 15 mm stack)
Page yield (set-up/inbox cartridges)	4 preinstalled HP LaserJet Toner cartridges (Black: 600 pages, Introductory-Cyan, Magenta, Yellow: 500 pages)
Paper handling input, standard	250 sheets Main Input Tray, 1 sheet Priority Feed Tray
Paper handling output, standard	100 sheets Output Tray
Paper trays, maximum	2
Paper trays, standard	2
Plug and play	HP Smart App; Auto Wireless Connect; Copies; ID Copy; Auto Fit Copy
Power	220-volt input voltage: 220 – 240V (±10%) @ 50Hz ± 3 Hz, 60Hz ± 3 Hz; 110-volt input voltage: 110 – 127V (±10%) @ 50Hz ± 3 Hz, 60Hz ± 3 Hz, 60Hz, 60Hz, 60Hz, 60H

Power consumption	416 watts (printing), 7.6 watts (ready), 0.95 watts (sleep), 0.05 watts (auto-off), 0.05 watts (manual-off)
Power consumption Note	[1] Power requirements are based on the country/region where the printer is sold. Do not convert operating voltages. This will damage the printer and void the product warranty. Energy Star value typically based on measurement of 115V device.
Power supply type	Internal (Built-in) power supply
Print colors	Yes
Print languages	HP PCL6, PostScript, HP PCL5, PDF, URF, PWG-Raster, PCLM, JPEG
Print quality black (best)	Up to 600 x 600 dpi
Print quality black (normal)	600 x 600 dpi



Print quality color (best)	Up to 600 x 600 dpi
Print resolution color (normal)	600 x 600 dpi
Print speed	Print speed up to 25 ppm (black) and 25 ppm (colour)
Print speed black (ISO, A4)	Up to 25 ppm
Print speed black (ISO, letter)	Up to 26 ppm
Print speed black (Landscape, A5)	Up to 43 ppm
Print speed black (Portrait, A5)	Up to 5 ppm
Print speed color (ISO)	Up to 26 ppm
Print Speed Color (ISO)	Up to 25 ppm
Print speed color (Landscape, A5)	Up to 26 ppm
Print speed color (Portrait, A5)	Up to 5 ppm
Print speed duplex (A4)	Up to 15 ipm
Print speed footnote	[7] Measured using ISO/IEC 24734, excludes first set of test documents. For more information see https://www.hp.com/go/printerclaims . Exact speed varies depending on the system configuration, software application, driver, and document complexity.
Print speed footnote (A5)	[7] Measured using ISO/IEC 24734 Feature Performance Test, excludes first set of test documents. For more information see https://www.hp.com/go/printerclaims . Exact speed varies depending on the system configuration, software application, driver, and document complexity.
Print Technology	Laser
Print technology	Laser
Printer Management	HP Web Jetadmin
Processor speed	1.2 GHz
Product long name specifications	HP Color LaserJet Pro MFP 3302fdw, Color Printer for Small medium business, Print, copy, scan, fax, Wireless; Print from phone or tablet; Automatic document feeder; Two-sided printing; Two-sided scanning; Scan to email; Scan to PDF; Fax; Front USB flash drive port; Touchscreen; TerraJet cartridge
Product short name specifications	HP LaserJet Pro 3302fdw Wireless Multifunction Color Printer, Copier, Scanner; Duplex
Production CO2e (kg)	177
Recommended monthly page volume	150 to 2,500

Recommended monthly page [11] HP recommends that the number of pages per month of imaged output be within the stated range for optimum device volume note performance, based on factors including supplies replacement intervals and device life over an extended warranty period. Recommended monthly scan 150 to 1500 volume Recommended operating 30 to 70% RH humidity range Recommended operating 59 to 80.6°F temperature range Registration required No



Replacement cartridges	HP 219A Black Original LaserJet Toner Cartridge (~1,300 pages) W2190A; HP 219A Cyan Original LaserJet Toner Cartridge (~1,200 pages) W2191A; HP 219A Yellow Original LaserJet Toner Cartridge (~1,200 pages) W2192A; HP 219A Magenta Original LaserJet Toner Cartridge (~1,200 pages) W2193A; HP 219X High Yield Black Original LaserJet Toner Cartridge (~3,200 pages) W2190X; HP 219X High Yield Black Original LaserJet Toner Cartridge (~3,200 pages) W2190X; HP 219X High Yield Black Original LaserJet Toner Cartridge (~3,200 pages) W2190X; HP 219X High Yield Black Original LaserJet Toner Cartridge (~2,500 pages) W2191X; HP 219X High Yield Cyan Original LaserJet Toner Cartridge (~2,500 pages) W2191X; HP 219X High Yield Yellow Original LaserJet Toner Cartridge (~2,500 pages) W2191X; HP 219X High Yield Yellow Original LaserJet Toner Cartridge (~2,500 pages) W2193X
Replacement cartridges footnote	[3] Declared yields based on ISO/IEC 19798 and continuous printing. Actual yields vary considerably based on images printed and other factors. For details see https://www.hp.com/go/toneryield
Resolution	Up to 600 dpi
Resolution (black and white, standard mode)	203 x 98 dpi
Resolution (black and white, superfine mode)	Up to 300 x 300 dpi
Resolution (black photo grayscale)	203 x 196 dpi
Right margin (A4)	5 mm
Safety	IEC 60950-1:2005 +A1:2009 +A2:2013; IEC 62368-1:2014; EN 62368-1:2014 +A11:2017; IEC 62368-1:2018; EN IEC 62368-1:2020 +A11:2020; EN 60825-1:2014+A11:2021; IEC 60825-1:2014; EN 62479:2010; IEC 62479:2010; CSA C22.2 62368-1:19 3rd Ed; CSA C22.2 62368-1:10 and C22.2 62
Scan file format	JPG; PDF; PDFA; TIFF
Scan input modes	Front-panel scan; HP Universal Scan and user applications via Twain
Scan resolution, hardware	Up to 300 x 300 dpi (colour and monochrome, ADF); Up to 1200 x 1200 dpi (colour and monochrome, Flatbed)
Scan resolution, optical	Up to 300 dpi (colour and monochrome, ADF); Up to 1200 dpi (colour and monochrome, Flatbed)
Scan size (ADF), maximum	216 x 356 mm
Scan size (ADF), minimum	148 x 210 mm
Scan size, maximum	216 x 297 mm
Scan speed (normal, A4)	Up to 19 ppm (b&w), Up to 8 ppm (colour)
Scan speed (normal, letter)	Up to 20 ppm (b&w), Up to 9 ppm (color)
Scan speed duplex (normal, A4)	Up to 34 ipm (b&w), up to 16 ipm (color)
Scan speed footnote	[12] Scan speeds measured from ADF. Actual processing speeds may vary depending on scan resolution, network conditions, computer performance, and application software.

Scan technology

Contact Image Sensor (CIS)

Scanner advanced features	HP Universal Scan
Scanner type	ADF; Flatbed
Security	HP Security Manager; Optional Smart Security; HP Secure Print and Insights
Security management	Unique Admin Password; Enable/Disable USB; EWS Session Time Out; Control Panel Inactivity Timeout; Role Based Access Control; WebScan Disabled by default.
Segment (filter)	Small medium business
Software included	HP Printer Software downloadable from https://www.hpsmart.com/download
Software scan file format	PDF, JPG, PNG, BMP, TIF, PDF/A



Standard media sizes (duplex)	A4; A5; 16K (195 x 270 mm, 184 x 260 mm, 197 x 273 mm); Oficio (216 x 340 mm); A5R; B5 (JIS)
Standard output capacity (envelopes)	Up to 10 envelope
Standard output capacity (transparencies)	Up to 10 mm stack
Storage	0.512GByte (4Gbits) NAND Flash
Storage device and direct print support	Walk-up USB printing
Storage temperature range	-4 to 140°F
Supplies feature	HP TerraJet Cartridge
Sustainable impact specifications	Contains post-consumer recycled plastic
Tariff numbers	8443310000
Technical features	Fax; Automatic document feeder; Automatic 2-sided printing; Cloud-based fleet management; Compact size; ENERGY STAR®; Fast first page out; HP Auto-on/Auto-off; TerraJet Toner; Professional print quality; Scan-to-cloud; Scan-to-email; Scan-to-folder; Touchscreen; Walk-up USB; WiFI Direct
Telecom compliance (fax capability)	Fax: ES 203 021-1 v2.1.1; ES 203 021-2 v2.1.2; ES 203 021-3 v2.1.2; FCC Title 47 CFR, Part 68; Industry Canada CS03; NOM-151-SCTI-1999 (Mexico); PTC-200 (New Zealand); other Telecom approvals as required by individual countries. Wireless: EU RED 2014/53/EU; EN 301 489-1 V2.2.3 / EN 301 489-17: V3.2.4; EN 300 328: V2.2.2 / EN301 893 V2.1.1/ EN300 440-1 V2.1.1; FCC Title 47 CFR, Part 15 Subpart B, Class B / RSS 247 Issue 1, 2015 & RSS 102 Issue 5, 2015; EN62311:2008; Other Telecom approvals as required by individual countries
Telephone handset supported	No
Top key features	Wireless; Print from phone or tablet; Automatic document feeder; Two-sided printing; Two-sided scanning; Scan to email; Scan to PDF; Fax; Front USB flash drive port; Touchscreen; TerraJet cartridge
Top margin (A4)	5 mm
Total CO2e (kg)	260
Total CO2e (kg) note	A product carbon footprint is defined as the total amount of greenhouse gases emitted directly and indirectly by a product over its lifetime. Greenhouse gas emissions are reported as global warming potential for 100-year time horizon (GWP-100) in units of CO2 equivalence. Calculations are done in accordance with ISO 14040 & ISO 14044. Individual values may not sum to total due to rounding.
Transportation CO2e (kg)	20
Tray capacity	250
Twain version	Version 2.1
Typical electricity consumption	[1] Power requirements are based on the country/region where the printer is sold. Do not convert operating voltages. This will

Typical electricity consumption (TEC) number	0.338 kWh/week (Energy Star)
UNSPSC code	43212110
Warm-up time	As fast as 55 sec
What's in the box	HP Color LaserJet Pro MFP 3302fdw; Power cord; Toner cartridge; User Guide; Flyers
Wireless capability	Built-in dual-band Wi-Fi; Authentication via WEP, WPA/WPA2, WPA Enterprise; Encryption via AES or TKIP; WPS; Wi-Fi Direct

damage the printer and void the product warranty. Energy Star value typically based on measurement of 115V device.

Logistics

(TEC) footnote



Cable included	No USB cable.
Cartons per layer	6
Count of layers in pallet	4
Country of origin	Made in Vietnam
Dimensions (W x D x H) Note	[5] End to End Dimensions when printer is set up and on standby
Maximum dimensions (W x D x H)	428 x 472 x 455 mm
Maximum metric depth	413 mm
Maximum metric height	339 mm
Maximum metric width	418 mm
Metric depth	413 mm
Metric height	339 mm
Metric width	418 mm
Minimum dimensions (W x D x H)	418 x 419.12 x 341.32 mm
Package dimensions (W x D x H)	497 x 398 x 532 mm
Package weight	20.60 kg
Pallet dimensions (W x D x H)	1200 x 1000 x 2129 mm
Pallet weight	495.4 kg
Quantity per pallet	24
Tariff numbers	8443310000
UNSPSC code	43212110
UPC number	(ABT) 196786388712; (ABY) 196786388729; (B19) 196786388736; (BAZ) 196786388743
Weight	~17.1 kg
Weight note (metric)	[15] Product weight inclusive of starter supplies
What is in the box footnote	[2] For yield information on the cartridge(s) included with your printer, see https://www.hp.com/go/toneryield . Yield values measured in accordance with ISO/IEC 19798 and continuous printing. Actual yields vary considerably based on images printed and other factors.

Specifications

[1] Power requirements are based on the country/region where the printer is sold. Do not convert operating voltages. This will damage the printer and void the product warranty.

Energy Star value typically based on measurement of 115V device.

[2] For yield information on the cartridge(s) included with your printer, see https://www.hp.com/go/toneryield. Yield values measured in accordance with ISO/IEC 19798 and

continuous printing. Actual yields vary considerably based on images printed and other factors.



HP Partner Portal

[3] Declared yields based on ISO/IEC 19798 and continuous printing. Actual yields vary considerably based on images printed and other factors. For details see https://www.hp.com/go/toneryield

[4] First Copy Out from Ready and Simplex Copy Speed measured using ISO/IEC 29183, Duplex Copy Speed measured using ISO/IEC 24735, excludes first set of test documents. For more information see https://www.hp.com/go/printerclaims. Exact speed varies depending on the system configuration, software application and document complexity.

[5] End to End Dimensions when printer is setup and on standby

[6] Configuration tested: base model, simplex printing, A4 paper at an average of 25 ppm

[7] Measured using ISO/IEC 24734, excludes first set of test documents. For more information see https://www.hp.com/go/printerclaims. Exact speed varies depending on the system configuration, software application, driver, and document complexity.

[9] Measured using ISO/IEC 17629. For more information see https://www.hp.com/go/printerclaims . Exact speed varies depending on the system configuration, software application, driver, and document complexity.

[10] Duty cycle is defined as the maximum number of pages per month of imaged output. This value provides a comparison of product robustness in relation to other HP LaserJet or HP Color LaserJet devices, and enables appropriate deployment of printers and MFPs to satisfy the demands of connected individuals or groups.

[11] HP recommends that the number of pages per month of imaged output be within the stated range for optimum device performance, based on factors including supplies replacement intervals and device life over an extended warranty period.

[12] Scan speeds measured from ADF. Actual processing speeds may vary depending on scan resolution, network conditions, computer performance, and application software.

[13] Windows Server 2016, Windows Server 2019, Windows Server 2022, Linux (For more information see https://www.developers.hp.com/hp-linux-imaging-and-printing)

[14] Warranty and support options vary by product, country, and local legal requirements

[15] Product weight inclusive of starter supplies

[16] Recommended Auto Document Feeder Capacity when doing multiple two-sided copies is 25 sheets.

Legal disclaimer

Product image may differ from actual product