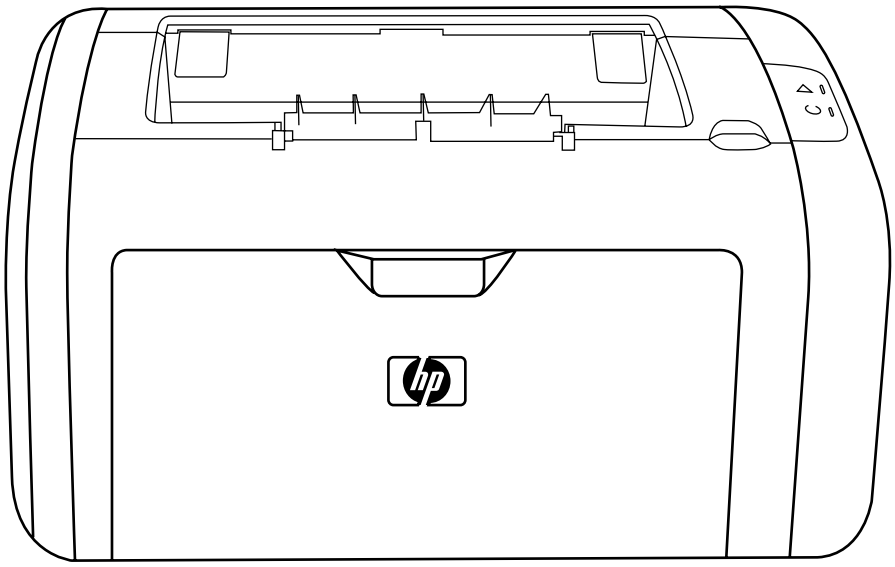
HP LaserJet 1010, 1012, 1015 and 1020 Service Manual

Product: 2005 HP LaserJet 1010, 1012, 1015 and 1020 Printer Service Repair Workshop Manual
Full Download: https://www.arepairmanual.com/downloads/2005-hp-laserjet-1010-1012-1015-and-1020-printer-service-repair-workshop-manual/



Sample of manual. Download All 170 pages at:
https://www.arepairmanual.com/downloads/2005-hp-laserjet-1010-1012-1015-and-1020-printer-service-repair-workshop-ma

Product: 2005 HP LaserJet 1010, 1012, 1015 and 1020 Printer Service Repair Workshop Manual
Full Download: https://www.arepairmanual.com/downloads/2005-hp-laserjet-1010-1012-1015-and-1020-printer-service-repair-workshop-manual/

Sample of manual. Download All 170 pages at:
https://www.arepairmanual.com/downloads/2005-hp-laserjet-1010-1012-1015-and-1020-printer-service-repair-workshop-ma

HP LaserJet 1010 series printers and HP LaserJet 1020 printer

Service Manual

Copyright Information

© 2005 Copyright Hewlett-Packard Development Company, L.P.

Reproduction, adaptation or translation without prior written permission is prohibited except as allowed under the copyright laws.

The information contained in this document is subject to change without notice.

The only warranties for HP products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. HP shall not be liable for technical or editorial errors or omissions contained herein.

Part number Q5911-90945

Edition 1, 4/2005

Information regarding FCC Class B, Parts 15 and 68 requirements can be found in the user guide.

NOTICE TO U.S. GOVERNMENT USERS: RESTRICTED RIGHTS COMMERCIAL COMPUTER SOFTWARE: “Use, duplication, or disclosure by the Government is subject to restrictions as set forth in subparagraph (c) (1)(ii) of the Rights in Technical Data Clause at DFARS 52.227-7013.”

Trademark Credits

Microsoft® and Windows® are U.S. registered trademarks of the Microsoft company.

Safety Information

WARNING!

Potential Shock Hazard

Always follow basic safety precautions when using this product to reduce risk of injury from fire or electric shock.

Read and understand all instructions in the user guide.

Observe all warnings and instructions marked on the product.

Use only a grounded electrical outlet when connecting the HP LaserJet 1010 series printer or HP LaserJet 1020 printer to a power source. If you don’t know whether the outlet is grounded, check with a qualified electrician.

Do not touch the contacts on the end of any of the sockets on the HP LaserJet 1010 series printer or HP LaserJet 1020 printer. Replace damaged cords immediately.

Unplug this product from wall outlets before cleaning or servicing.

Do not install or use this product near water or when you are wet.

Install the product securely on a stable surface.

Install the product in a protected location where no one can step on or trip over the power cord and the power cord will not be damaged.

If the product does not operate normally, see the online user guide.

Table of contents

1 Product Information

Product configurations....2
HP LaserJet 1010 printer....2
HP LaserJet 1012 printer....2
HP LaserJet 1015 printer....2
HP LaserJet 1020 printer....3
Overview of product....4
HP LaserJet 1010 series printers....4
HP LaserJet 1020 printer....6
Model and serial numbers....7
Hardware description....7
Firmware description....8
Product specifications....9
Physical specifications....9
Printer performance....9
Environmental specifications....9
Electrical specifications....10
Acoustic emissions....11
Extended warranty....12
Print-cartridge information....13
Refilled print cartridges....13
Recycling print cartridges....13
Regulatory information....14
FCC compliance....14
Canadian DOC regulations....14
Korean EMI statement....14
Laser statement for Finland....15
....15

2 Installation and operation

Operating environment....18
Identifying the control-panel components....19
Media specifications....21
Supported media sizes....21
Guidelines for using media....22
Paper and transparencies....22
Common media problems table....22
Labels....23
Envelopes....23

Envelopes with double-side seams....23
Envelopes with adhesive strips or flaps....24
Card stock and heavy media....24
Card-stock construction....24
Card-stock guidelines....24
Loading media....25
Main input tray....25
Priority feed slot....25
Specific types of media....25
Setting media types....26
Set the media type....26

3 Maintenance
Life expectancies of parts that wear....28
Cleaning the product....30
Cleaning the print path....31
Cleaning the print-cartridge area....32
Cleaning the pickup roller....34
User-replaceable parts....35
Replacing the pickup roller....35
Replacing the separation pad....38
Replacing the main input tray (paper-pickup tray assembly)....40
Replacing the output-bin extension (delivery-tray assembly)....41
Jams....42
Clearing jams....42
Typical media jam locations....42
Removing a jammed page....43

4 Operational overview
Basic functions....46
Formatter system....47
Central processing unit....47
RAM....47
USB interface....47
Parallel interface (HP LaserJet 1015 printer only)....47
Control panel....47
Draft mode (EconoMode)....48
HP Memory Enhancement technology (MEt)....48
Enhanced I/O....48
PJL overview....49
Printer functions....50
Engine control system (engine control unit and power assembly)....50
Printer-engine-control system....51
Printer laser/scanner unit....52
Power system on the engine power assembly....53
Image-formation system....54
The seven image-formation processes....55
Print cartridge....56
Printer paper-feed system....56
Jam detection....58

Conditions of jam detection....58
Solenoid, sensors, switches, and motor....58
Basic sequence of operation (formatter-to-printer)....60

5 Removal and replacement
Removal and replacement strategy....64
Required tools....64
Before performing service....64
Print cartridge....65
Differences between the HP LJ 1010 series printer models....66
Parts removal order....67
User-replaceable parts....68
Replacing the pickup roller....68
Replacing the separation pad....71
Replacing the main input tray (paper-pickup tray assembly)....73
Replacing the output-bin extension (delivery-tray assembly)....74
Covers....75
Right-side cover....75
Left-side cover....77
Rear panel and top-cover assembly....77
Front cover....82
Internal assemblies....84
Transfer-roller assembly....84
Engine-power assembly....87
Fuser (fixing) assembly....89
Paper-pickup assembly....91
Engine control unit (ECU) assembly....92
Laser/scanner assembly....96

6 Troubleshooting
Basic troubleshooting....98
Troubleshooting checklist....98
Control-panel power-on functions (HP LaserJet 1010 series printers)....100
Control-panel pages (HP LaserJet 1010 series printers only)....101
Control-panel lights (HP LaserJet 1010 series printers)....102
Control-panel light patterns (HP LJ 1010 series printers)....102
Fatal errors (HP LJ 1010 series printers)....105
Control-panel lights (HP LaserJet 1020 printer)....106
Status-light patterns....106
Jams....108
Clearing jams....108
Typical media jam locations....108
Removing a jammed page....108
Print-quality troubleshooting....111
Print-cartridge problems....111
Checking the print cartridge....111
To redistribute toner in the print cartridge....111
Solving print-quality problems....111
Solving paper-feed problems....122
Functional checks....124

Half self-test functional check....124
To perform a half self-test check....124
To perform other checks....124
Drum-rotation functional check....126
High-voltage-contacts check....127
To check the print-cartridge contacts....127
To check the printer high-voltage contacts....128
Troubleshooting tools....129
Repetitive-image-defect ruler....129
Circuit diagram....130
Solenoid, sensors, switches, and motor....131

7 Parts and diagrams
Ordering parts and supplies....134
Parts....134
Related documentation and software....134
Parts that wear....134
Accessories and consumables....135
Accessories....135
Common hardware....137
How to use the parts lists and diagrams....137
Printer exchange/parts....138
Major components....140
Alphabetical parts list....143
Numerical parts list....146

Index....149

List of tables

Table 1-1 Physical specifications....9
Table 1-2 Performance....9
Table 1-3 Environmental specifications (HP LJ 1010 series printers and HP LJ 1020 printer) 9
Table 1-4 Power requirements....10
Table 1-5 Power consumption (average, in watts)....10
Table 1-6 Acoustic emissions....11
Table 2-1 Media sizes....21
Table 3-1 Life expectancies of parts that wear....28
Table 4-1 Basic sequence of operation....60
Table 6-1 Basic troubleshooting 98
Table 6-2 Power-on functions: time ranges (HP LJ 1010 series printers only)....100
Table 6-3 Control-panel pages: time ranges (HP LJ 1010 series printers only)....101
Table 6-4 Control-panel light patterns (HP LJ 1010 series printers)....102
Table 6-5 Control-panel light patterns (HP LJ 1020 printer)....106
Table 6-6 Solving print-quality problems....111
Table 6-7 Solving paper-feed problems....122
Table 7-1 Technical support websites....134
Table 7-2 Accessories....135
Table 7-3 Printer exchange/parts....139
Table 7-4 Major components....141
Table 7-5 Alphabetical parts list....143
Table 7-6 Numerical parts list....146

List of figures

Figure 1-1 Front and right-side view (HP LJ 1010 series printers)....4
Figure 1-2 Back and left-side view (HP LJ 1010 series printers)....5
Figure 1-3 Front and right-side view (HP LJ 1020 printer)....6
Figure 1-4 Back and left-side view (HP LJ 1020 printer)....6
Figure 1-5 Model- and serial-number label (HP LJ 1010 printer is shown)....7
Figure 2-1 HP LaserJet 1010 series printer dimensions....18
Figure 2-2 HP LaserJet 1020 printer dimensions....18
Figure 2-3 Control-panel lights and buttons (HP LJ 1010 series printers)....19
Figure 2-4 Control-panel lights (HP LJ 1020 printer)....20
Figure 3-1 Main input tray (HP LaserJet 1020 printer shown)....40
Figure 3-2 Output-bin extension 41
Figure 4-1 Basic configuration....46
Figure 4-2 Printer functional-block diagram....50
Figure 4-3 Laser/scanner operation....52
Figure 4-4 High-voltage power supply circuit....54
Figure 4-5 Image formation-block diagram....55
Figure 4-6 Printer paper path 57
Figure 4-7 Solenoid, sensors, switches, and motor....59
Figure 4-8 Printer timing diagram....61
Figure 5-1 Removing the print cartridge....65
Figure 5-2 HP LaserJet 1015 parallel port....66
Figure 5-3 Parts-removal block diagram....67
Figure 5-4 Main input tray (HP LaserJet 1020 printer shown)....73
Figure 5-5 Output-bin extension 74
Figure 5-6 Remove the right-side cover (1 of 4; HP LJ 1020 printer shown)....75
Figure 5-7 Remove the right-side cover (2 of 4; HP LJ 1020 printer shown)....75
Figure 5-8 Remove the right-side cover (3 of 4; HP LJ 1020 printer shown)....76
Figure 5-9 Remove the right-side cover (4 of 4; HP LJ 1020 printer shown)....76
Figure 5-10 Remove the rear panel and top-cover assembly (1 of 6)....77
Figure 5-11 Remove the rear panel and top-cover assembly (2 of 6)....78
Figure 5-12 Remove the rear panel and top-cover assembly (3 of 6)....78
Figure 5-13 Remove the rear panel and top-cover assembly (4 of 6; HP LJ 1020 printer shown)....79
Figure 5-14 Remove the rear panel and top-cover assembly (5 of 6)....79
Figure 5-15 Remove the rear panel and top-cover assembly (6 of 6)....80
Figure 5-16 Reinstall the top-cover assembly (1 of 2)....80
Figure 5-17 Reinstall the top-cover assembly (2 of 2)....81
Figure 5-18 Remove the front cover (1 of 3)....82
Figure 5-19 Remove the front cover (2 of 3)....83
Figure 5-20 Remove the front cover (3 of 3)....83
Figure 5-21 Remove the transfer roller (1 of 3)....84

Figure 5-22 Remove the transfer roller (2 of 3)....85
Figure 5-23 Remove the transfer roller (3 of 3)....85
Figure 5-24 Remove the engine-power assembly (1 of 2; HP LJ 1020 printer shown)....87
Figure 5-25 Remove the engine power assembly (2 of 2)....88
Figure 5-26 Remove the fuser (fixing) assembly (1 of 2)....89
Figure 5-27 Remove the fuser (fixing) assembly (2 of 2)....90
Figure 5-28 Remove the paper-pickup assembly....91
Figure 5-29 Remove the ECU assembly (1 of 6)....92
Figure 5-30 Remove the ECU assembly (2 of 6)....93
Figure 5-31 Remove the ECU assembly (3 of 6)....93
Figure 5-32 Remove the ECU assembly (4 of 6)....94
Figure 5-33 Remove the ECU assembly (5 of 6)....94
Figure 5-34 Remove the ECU assembly (6 of 6)....95
Figure 5-35 Remove the laser/scanner assembly....96
Figure 6-1 Control-panel-lights legend....102
Figure 6-2 Control-panel lights (HP LJ 1020 printer)....106
Figure 6-3 Control-panel-light legend (HP LJ 1020 printer)....106
Figure 6-4 Check the fuser connections (HP LaserJet 1010 series shown)....125
Figure 6-5 Print-cartridge high-voltage contacts....127
Figure 6-6 Printer high-voltage contacts....128
Figure 6-7 Repetitive-image-defect ruler....129
Figure 6-8 Circuit diagram....130
Figure 6-9 Solenoid, sensors, switches, and motor....131
Figure 7-1 HP LJ 1010 series and HP LJ 1020 product....138
Figure 7-2 Major components (HP LJ 1010 series shown)....140

1 Product Information

This chapter provides general product information for HP LaserJet 1010 series printer and the HP LaserJet 1020 printer.

- Product configurations
- Overview of product
- Product specifications
- Extended warranty
- Print-cartridge information
- Regulatory information

Product configurations

The HP LaserJet 1010 series printers and the HP LaserJet 1020 printer are designed to print documents easily and with the laser quality that customers have come to expect from an HP LaserJet product. The following sections describe the configurations of the HP LaserJet 1010 series printers and the HP LaserJet 1020 printer.

HP LaserJet 1010 printer

The HP LaserJet 1010 printer (HP LJ 1010) is the base model in the HP LaserJet 1010 series printers. It offers the following features:

- Prints up to 12 pages per minute (ppm)
- 10 seconds or less to first page out
- 600 x 600 dpi
- 150-sheet input capacity (75-g/m^2 [20-lb] media)
- 125-sheet output bin capacity
- A priority feed slot
- A horizontal paper-feed path
- 8 MB of RAM (not expandable)
- A host-based driver
- A USB port

HP LaserJet 1012 printer

The HP LaserJet 1012 printer (HP LJ 1012) is the mid-range model in the series. It offers all of the features of the HP LaserJet 1010 printer, plus the following features:

- Prints up to 14 ppm on A4-size media and 15 ppm on letter-size media
- FastRes 1200: 1200 dpi effective output quality (600 x 600 x 2 dpi with HP Resolution Enhancement technology [REt])
- Networking support through HP Jetdirect devices

HP LaserJet 1015 printer

The HP LaserJet 1015 printer (HP LJ 1015) is the top model in the series. It offers all of the features of the HP LaserJet 1012, plus the following features:

- 16 MB of RAM (not expandable)
- A host-based driver and HP PCL 5e driver
- A USB port and a parallel port

HP LaserJet 1020 printer

The HP LaserJet 1020 printer (HP LJ 1020) offers the following features:

- Prints up to 14 ppm for A4-size media and 15 ppm for letter-size media
- 10 seconds or less to first page out
- FastRes 1200: 1200 dpi effective output quality (600 x 600 x 2 dpi with HP Resolution Enhancement technology [REt])
- 150-sheet input capacity (75-g/m^2 [20-lb] media)
- 125-sheet output bin capacity
- A priority feed slot
- EconoMode (saves toner)
- Prints watermarks, booklets, and multiple pages per sheet (N-up), and can print the first page on different media from the remainder of the document
- 2 MB of RAM
- 2,000-page print cartridge
- A USB 2.0 Hi-Speed port

Overview of product

HP LaserJet 1010 series printers

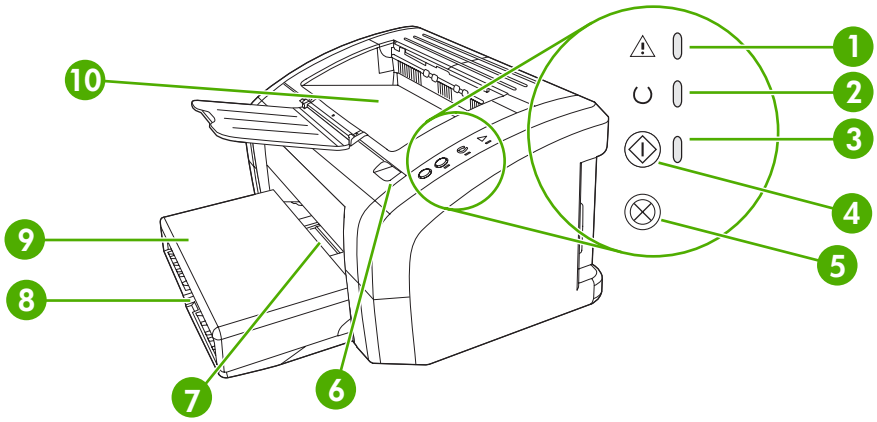


Figure 1-1 Front and right-side view (HP LJ 1010 series printers)

1	ATTENTION light
2	READY light
3	GO light
4	GO button
5	CANCEL JOB button
6	Print-cartridge door
7	Priority feed slot
8	Main input tray
9	Tray cover (only for the HP LaserJet 1012 printer and the HP LaserJet 1015 printer in some countries/regions)
10	Output bin

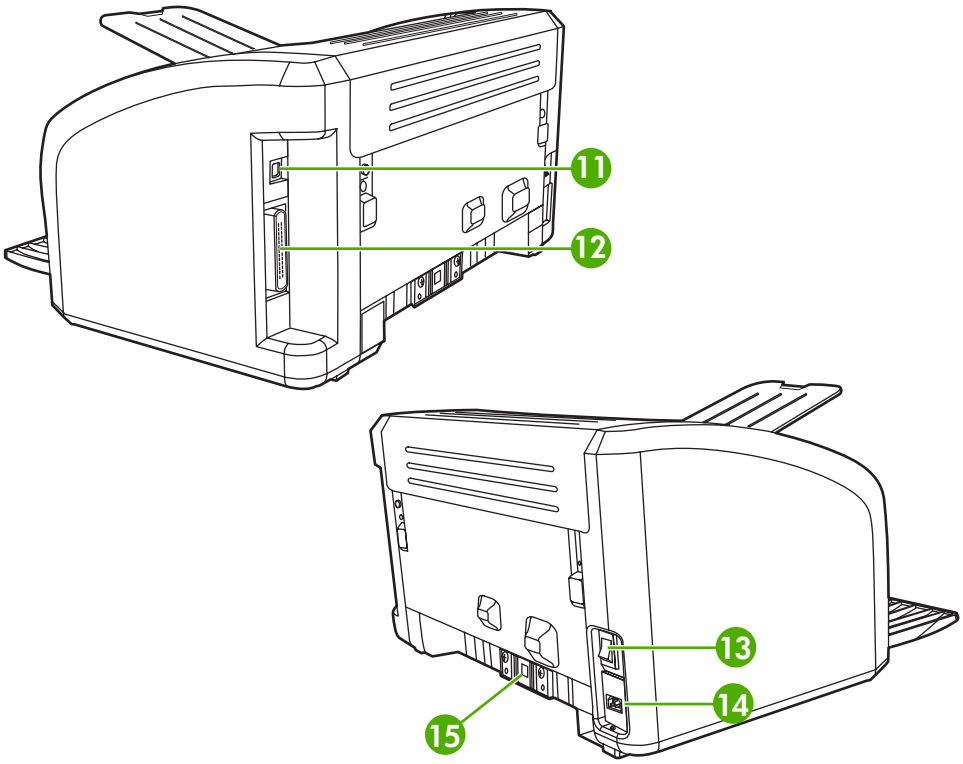


Figure 1-2 Back and left-side view (HP LJ 1010 series printers)

11	USB port
12	Parallel port (HP LaserJet 1015 printer only)
13	On/off switch
14	Power receptacle
15	Separation pad

HP LaserJet 1020 printer

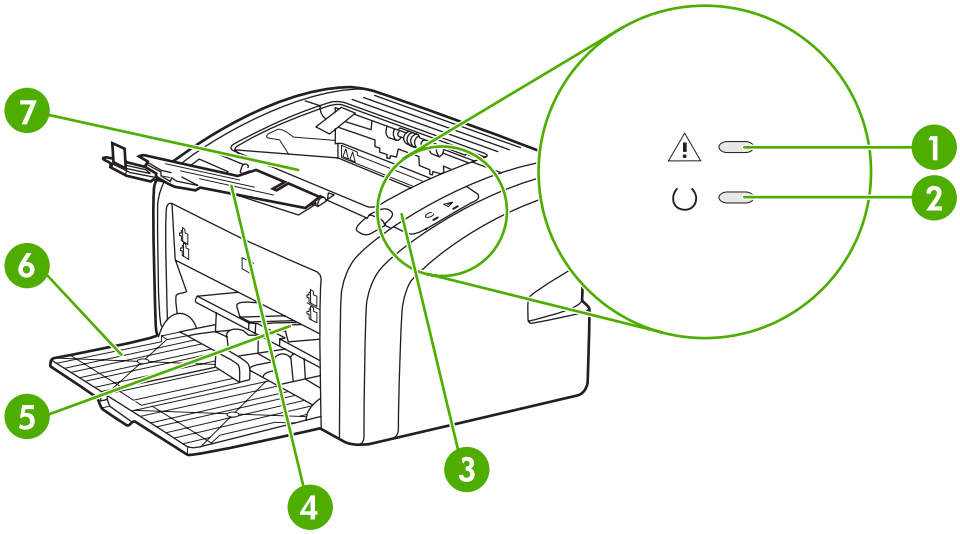


Figure 1-3 Front and right-side view (HP LJ 1020 printer)

1	ATTENTION light
2	READY light
3	Print-cartridge door
4	Output-media support
5	Priority feed slot
6	150-sheet main input tray
7	Output bin

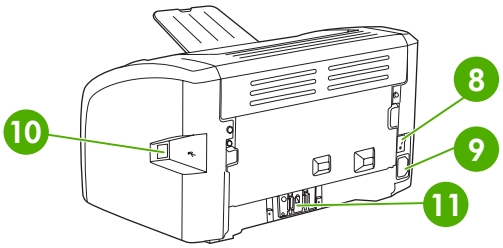


Figure 1-4 Back and left-side view (HP LJ 1020 printer)

8	On/off switch
9	Power receptacle
10	USB port
11	Separation pad

Model and serial numbers

The model number and serial number are listed on an identification label located on the back of the product.

The serial number contains information about the country/region of origin, and the revision level, production code, and production number of the product.

The label also contains power-rating and regulatory information.

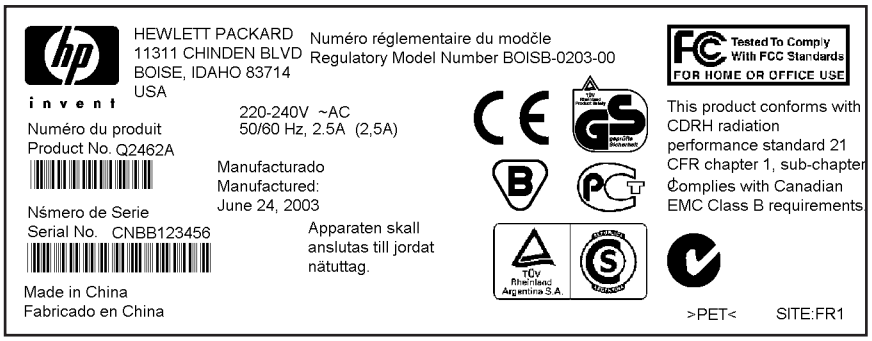


Figure 1-5 Model- and serial-number label (HP LJ 1010 printer is shown)

Hardware description

The HP LaserJet 1010 printer provides 600 x 600 dpi printing. The HP LaserJet 1012, 1015, and 1020 printers offer HP REt technology for 600 x 600 x 2 dpi printing (effectively 1200 dpi).

The printers print at 12 ppm (HP LaserJet 1010) or 15 ppm for letter-size paper and 14 ppm for A4-size paper (HP LaserJet 1012, 1015, and 1020). With 600 dpi printing for the HP LaserJet 1010 printer and an effective 1200 dpi printing resolution for the other models, the printers have exceptional text and graphics print quality. The simple control panels and improved paper-handling make these printers easy to use.

The main input tray has a 150-sheet (75-g/m^2 [20-lb] media) capacity for continuous, multiple-page printing. The priority feed slot is used to manually feed single sheets of most recommended media and holds up to ten sheets of 75-g/m^2 (20-lb) media. Both the main input tray and the priority feed slot are center-justified for all supported media sizes. The output bin holds up to 125 sheets of 75-g/m^2 (20-lb) media.

These printers have a very fast first-page-out, at less than 10 seconds to first page out. The base memory contains 8 MB of RAM for the HP LaserJet 1010 series printers and 2 MB for the HP LaserJet 1020 printer. These printers use an embedded 133 MHz processor.

The print engine has an average duty cycle of 1,000 pages per month (7,000 peak) or 50,000 total pages printed. The standard print-cartridge life is 2,000 pages, in accordance with ISO/IEC 19752.

NOTE Actual print cartridge life depends on specific usage.

Firmware description

The firmware in the printers includes these features:

- Host-based printing
- PCL 5e (HP LaserJet 1015 printer only)
- EconoMode functionality

Product specifications

This section details the specifications for the HP LaserJet 1010 series printers and the HP LaserJet 1020 printer.

Physical specifications

Table 1-1 Physical specifications

Model	Height	Depth	Width	Weight
HP LaserJet 1010 series printers and the HP LaserJet 1020 printer	209 mm (8.3 inches)	242 mm (9.5 inches)	370 mm (14.6 inches)	5.9 kg (13.0 lb)

Printer performance

Table 1-2 Performance

Model	Print resolution (normal)	Print speed (A4-size media)
HP LaserJet 1010 printer	600 x 600 dpi	12 ppm
HP LaserJet 1012 printer	600 x 600 dpi	14 ppm
HP LaserJet 1015 printer	600 x 600 dpi	14 ppm
HP LaserJet 1020 printer	600 x 600 dpi	14 ppm

[1] 1200 dpi effective output quality, 600 x 600 x 2 dpi with HP Resolution Enhancement technology (REt)

Environmental specifications

Table 1-3 Environmental specifications (HP LJ 1010 series printers and HP LJ 1020 printer)

Category	Specification
Operating environment (unit plugged into an alternating-current [ac] outlet)	■ Temperature: 10° to 32.5°C (50° to 90.5°F) ■ Humidity: 20 to 80% relative humidity (no condensation)
Storage environment (unit not plugged into an ac outlet)	■ Temperature: 0° to 40°C (32° to 104°F) ■ Humidity: 10 to 80% relative humidity (no condensation)

Electrical specifications

WARNING! Power requirements are based on the country/region where the printer is sold. Do not convert operating voltages. This might damage the printer and void the product warranty.

Table 1-4 Power requirements

Specification	110-volt models	220-volt models
Power requirements	110–127 V (±10%)	220–240 V (±10%)
	50/60 Hz (±2 Hz)	50/60 Hz (±2 Hz)
Rated current	4.0 amps	2.3 amps

WARNING! Power sources are not interchangeable.

Table 1-5 Power consumption (average, in watts)[1]

Product model	Printing[2]	Ready[2]	PowerSave	Off
HP LaserJet 1010 printer	250 W	2 W	2 W	0 W
HP LaserJet 1012 printer	250 W	2 W	2 W	0 W
HP LaserJet 1015 printer	250 W	2 W	2 W	0 W
HP LaserJet 1020 printer	250 W	4 W	4 W	0 W

1 Values are subject to change. See www.hp.com/support/lj1010 or www.hp.com/support/lj1020 for current information.

2 Power reported is highest value measured for printing using all standard voltages. HP LaserJet 1010 printer print speed is 12 ppm (letter size) and 12 ppm (A4 size). HP LaserJet 1012, 1015, and 1020 printer print speed is 15 ppm (letter size) and 14 ppm (A4 size).

Acoustic emissions

Table 1-6 Acoustic emissions[1][2]

Sound power level	Declared per ISO 9296
Printing	L_{WAd} = 6.2 Bels (A) [62 dB (A)]
Ready	Inaudible
Sound pressure level—Bystander position	**Declared per ISO 9296**
Printing	L_{pAm} = 49 dB (A)
Ready	Inaudible

1 Values are subject to change. See www.hp.com/support/lj1010 for current information. Configuration tested: HP LaserJet 1010 printer using the standard tray, A4 paper, and simplex, continuous printing. HP LaserJet 1010 printer print speed is 12 ppm (letter size) and 12 ppm (A4 size). HP LaserJet 1012 and 1015 printer print speed is 15 ppm (letter size) and 14 ppm (A4 size).

2 Values are subject to change. See www.hp.com/support/lj1020 for current information. Configuration tested: HP LaserJet 1020 printer using the standard tray, A4 paper, and simplex, continuous printing. During other operations, acoustic emissions might vary.

Extended warranty

In most countries/regions, HP Care Pack provides additional coverage, beyond standard warranty for the HP device and for all HP-supplied internal components. This hardware maintenance can uplift the standard warranty, for example, from next-day to same-day service, or extend it up to 5 years. The HP Care Pack can provide Express Exchange or onsite service. For more information, see the support flyer that came with the device for the appropriate phone numbers and information.

Print-cartridge information

The print cartridge is designed to simplify replacement of the major consumable parts. The print cartridge contains the printing mechanism and a supply of toner.

The standard print-cartridge life is 2,000 pages, in accordance with ISO/IEC 19752.

NOTE Actual print cartridge life depends on specific usage.

Refilled print cartridges

While Hewlett-Packard does not prohibit the use of refilled print cartridges during the warranty period or while the product is under a maintenance contract, use of refilled cartridges is not recommended for the following reasons:

- Repairs resulting from the use of refilled cartridges are not covered under Hewlett-Packard warranty or maintenance contracts.
- Hewlett-Packard has no control or process to ensure that a refilled cartridge functions at the high level of reliability of a new HP LaserJet print cartridge. Hewlett-Packard also cannot predict the long-term reliability effect on the product from using the different toner formulations that are found in refilled cartridges.
- The print quality of HP LaserJet print cartridges influences the customer's perception of the product. Hewlett-Packard has no control over the actual print quality of a refilled cartridge.
- Parts that are critical to print quality might not be replaced when the cartridge is refilled with toner.

Recycling print cartridges

In order to reduce waste, Hewlett-Packard offers a recycling program. Cartridge components that do not wear out are recycled. Plastics and other materials are recycled. Hewlett-Packard pays the shipping costs from the user to the recycling plant (within the United States). To join this recycling effort, follow the instructions inside the print cartridge box. See www.hp.com/recycle for more information.

Regulatory information

FCC compliance

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy. If it is not installed and used in accordance with the instructions, it may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase separation between equipment and receiver.
- Connect equipment to an outlet on a circuit different from that to which the receiver is located.
- Consult your dealer or an experienced radio/TV technician.

NOTE Any changes or modifications to the printer that are not expressly approved by Hewlett-Packard could void the user's authority to operate this equipment. Use of a shielded interface cable is required to comply with the Class B limits of Part 15 of FCC rules.

Canadian DOC regulations

Complies with Canadian EMC Class B requirements.

«Conforme á la classe B des normes canadiennes de compatibilité électromagnétiques. «CEM».»

Korean EMI statement

사용자 안내문 (B급 기기)

이 기기는 비업무용으로 전자파장해 검정을 받은 기기로서, 주거 지역에서는 물론 모든 지역에서 사용할 수 있습니다.

Laser statement for Finland

LASERTURVALLISUUS

LUOKAN 1 LASERLAITE

KLASS 1 LASER APPARAT

HP LaserJet 1010, HP LaserJet 1012, HP LaserJet 1015, HP LaserJet 1020-laserkirjoitin on käyttäjän kannalta turvallinen luokan 1 laserlaite. Normaalissa käytössä kirjoittimen suojakotelointi estää lasersäteen pääsyn laitteen ulkopuolelle. Laitteen turvallisuusluokka on määritetty standardin EN 60825-1 (1994) mukaisesti.

VAROITUS!

Laitteen käyttäminen muulla kuin käyttöohjeessa mainitulla tavalla saattaa altistaa käyttäjän turvallisuusluokan 1 ylittävälle näkymättömälle lasersäteilylle.

VARNING!

Om apparaten används på annat sätt än i bruksanvisning specificerats, kan användaren utsättas för osynlig laserstrålning, som överskrider gränsen för laserklass 1.

HUOLTO

HP LaserJet 1010, HP LaserJet 1012, HP LaserJet 1015, HP LaserJet 1020 -kirjoittimen sisällä ei ole käyttäjän huollettavissa olevia kohteita. Laitteen saa avata ja huoltaa ainoastaan sen huoltamiseen koulutettu henkilö. Tällaiseksi huoltotoimenpiteeksi ei katsota väriainekasetin vaihtamista, paperiradan puhdistusta tai muita käyttäjän käsikirjassa lueteltuja, käyttäjän tehtäväksi tarkoitettuja ylläpitotoimia, jotka voidaan suorittaa ilman erikoistyökaluja.

VARO!

Mikäli kirjoittimen suojakotelo avataan, olet alttiina näkymättömälle lasersäteilylle laitteen ollessa toiminnassa. Älä katso säteeseen.

VARNING!

Om laserprinterns skyddshölje öppnas då apparaten är i funktion, utsättas användaren för osynlig laserstrålning. Betrakta ej strålen. Tiedot laitteessa käytettävän laserdiodin säteilyominaisuuksista:

Aallonpituus 785-800 nm

Teho 5 mW

Luokan 3B laser

2 Installation and operation

This chapter provides an overview of the appropriate operating environment, describes the control panel, describes media requirements, and describes how to load print media.

- Operating environment
- Identifying the control-panel components
- Media specifications
- Guidelines for using media
- Loading media
- Setting media types

Product: 2005 HP LaserJet 1010, 1012, 1015 and 1020 Printer Service Repair Workshop Manual
Full Download: https://www.arepairmanual.com/downloads/2005-hp-laserjet-1010-1012-1015-and-1020-printer-service-repair-workshop-manual/

Operating environment

Place the product on a sturdy, level surface in a well-ventilated area that meets the following environmental requirements:

- Temperature: 10° to 32.5°C (50° to 90.5°F)
- Humidity: 20 to 80% relative humidity (no condensation)
- Away from direct sunlight, open flames, and ammonia fumes
- With sufficient space around the product to accommodate access and ventilation requirements

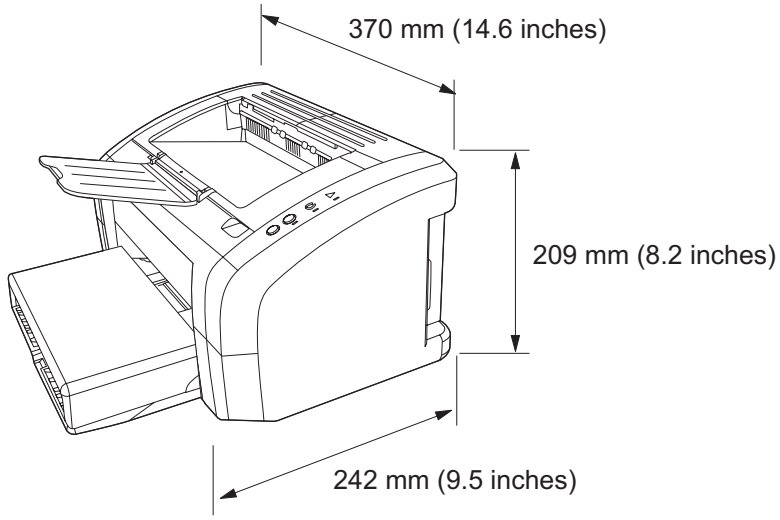


Figure 2-1 HP LaserJet 1010 series printer dimensions

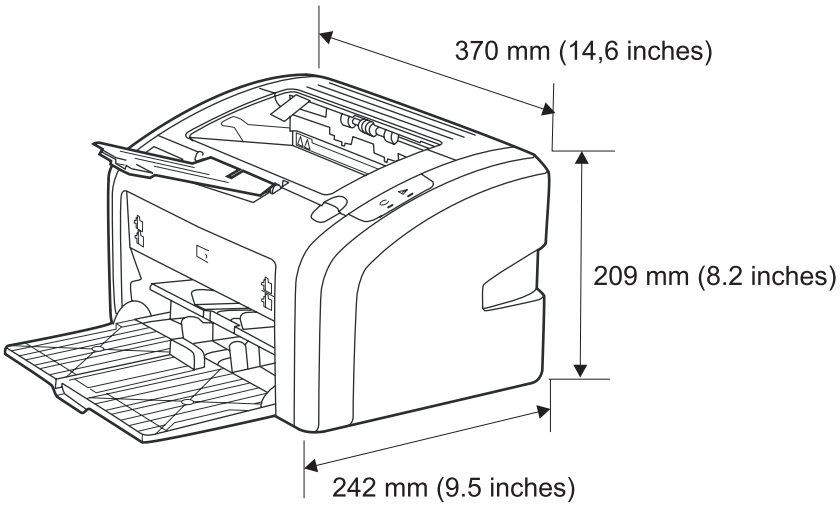


Figure 2-2 HP LaserJet 1020 printer dimensions

Sample of manual. Download All 170 pages at:
https://www.arepairmanual.com/downloads/2005-hp-laserjet-1010-1012-1015-and-1020-printer-service-repair-workshop-ma