



hp hardware

environmental
profile

published 11/04

Hewlett-Packard Company
Shared Printer Organization
POB 15
Boise, ID USA 83707-0015

product description

Model: HP LaserJet Series 4350 Printers

Models: Weight, Width x Depth x Height

HP LaserJet 4350n (Q5407A): 20.2 Kg, 41.8 x 45.1 x 37.7 cm

HP LaserJet 4350tn (Q5408A): 27.2 Kg, 41.8 x 45.1 x 49.8 cm

HP LaserJet 4350dtn (Q5409A): 29.7 Kg, 41.8 x 53.3 x 49.8 cm

HP LaserJet 4350dtnsl (Q5410A): 33.7 Kg, 41.8 x 53.3 x 74.0 cm

(Measurements provided are for a non-packaged product)

environmental certifications

This product conforms to the following voluntary environmental program criteria:

- ENERGY STAR®
- Blue Angel

other features

HP has designed this product with the following additional features to help the user conserve resources:

- Instant-On Fusing—saves energy
- Automatic Two-Sided Printing (Duplexer Accessory)—saves paper
- N-Up Printing—saves paper
- Draft Quality Printing Option—saves toner/ink and paper

warranty, service & options

Standard Warranty: 1 year
Extended Warranty: 1/3 years, Optional
Spare Parts Available: 5 years after end of production
Service Available: 5 years after end of production

The product can be upgraded, or its useful life extended as follows:

- Expandable Memory
- Optional Network Connectivity
- Optional Accessories (Automatic Duplexer, 500-Sheet Feeders, 1500-sheet Feeder, 75-Sheet Envelope Feeder, 500-Sheet Stacker, 500-Sheet Stapler/Stacker, Network Connectivity Options, Printer Stand/Storage)

operational data

Operational Mode: 55 pages-per-minute in normal print mode

Power Consumption (Maximum level for all models):

Operation:	<825 W
Ready:	<23 W
Sleep:	<13 W (Per U.S. EPA ENERGY STAR® Test Guidelines)
Off:	<0.3 W

Acoustical Noise (LaserJet 4350): (declared sound power (L_{wAd}) per ISO 7779/ISO 9296)

Operation:	7.1 bels
Ready:	3.8 bels

Chemical Emissions:

Air emissions testing is performed in accordance with "Test method for the determination of emissions from hardcopy devices with respect to awarding the environmental label for office devices RAL-UZ 62, RAL-UZ 85 and RAL-UZ 114" BAM Jun 2003

The exposure scenario (concentration) is based on a generic office model; consisting of two hours of printing in an eight-hour day in a 32 cubic meter room with a ventilation rate of 0.8 air changes per hour. (For color printing systems, a combination of black/white and color images are generated during the air emissions testing.)

parameter	----- concentration (mg/m ³) -----	
	operation	standard/guideline
ozone	BDL ⁽⁵⁾	0.200 ⁽¹⁾
TVOCs ⁽⁴⁾	0.070	0.500 ⁽²⁾
dust	0.005	0.050 ⁽³⁾

(1) from US and German occupational exposure limits (Threshold Limit Values established by the American Conference of Governmental Industrial Hygienists and Maximale Arbeitsplatz Konzentration in the Federal Republic of Germany)

(2) based on indoor air quality guidelines established for USEPA and State of Washington new office occupancies

(3) based on indoor air quality guidelines established for State of Washington new office occupancies

(4) TVOCs – total volatile organic compounds

(5) BDL – Below Detection Limit of the test equipment

Note: Tests are conducted using HP printing supplies. Results with other than HP supplies may differ.

product safety information

For chemical information about related HP printer supplies, please refer to Material Safety Data Sheets for these products at: <http://www.hp.com/go/msds>

product restricted materials

The information in this section refers to materials restricted by regulation or law and applies to parts, components and products sold by HP. This product does not contain:

- Asbestos
- Cadmium as a stabilizer, coloring agent or surface coating treatment.
- Lead carbonates or sulfates are not contained in any paint applied.
- Mercury (except lamps containing less than 10 mg)
- Chlorofluorocarbons (CFCs), halons, HCFCs, HBFCs, 1,1,1 trichloroethane, carbon tetrachloride or methyl bromide.
- Chlorinated or brominated dioxins or furans are not present at a concentration that is currently prohibited by law.
- Polychlorinated biphenyls (PCB) or polychlorinated terphenyls (PCT).

For additional product material information about this product, see "additional product materials" below. For product material information for associated batteries and packaging, see "batteries" and "packaging", below.

additional product materials

- Plastic parts do not contain polybrominated biphenyls (PBBs) or polybrominated biphenyl ethers (PBBEs) (also known as polybrominated biphenyl oxides (PBBOs)).
- Halogenated flame-retardants are not used in the housing plastics.

batteries

- The batteries contained in this product do not contain mercury or cadmium.
- Battery Characteristics:
 - Type: Lithium button type, BR-1632
 - Weight: 1.6g
 - Location: On formatter printed circuit board

packaging

- Packaging materials do not contain lead, mercury, cadmium or hexavalent chromium as an intentionally added element. The sum concentration of incidental lead, mercury, cadmium and hexavalent chromium in the packaging for this product is less than 100mg/kg.
- No chlorofluorocarbons (CFCs), halons, HCFCs, HBFCs, 1,1,1 trichloroethane, carbon tetrachloride or methyl bromide are used in plastic foam packaging materials.
- Plastic packaging materials are marked according to ISO 11469 or DIN 6120 standards.

Packaging Weight (LaserJet 4350):

External:

Corrugated Paper¹ Weight: 3.45 kg

Internal:

Expanded Plastic-Foam² Weight: 0.44 kg

High Density Polyethylene-Bag(s) Weight: 0.07 kg

1. Made with recycled paper. Actual proportions of recycled content will vary depending on geographic location.
2. Expanded plastic is 90% expanded polystyrene and 10% expanded polyethylene by weight.

HP designs packaging to be recyclable where practical. The recyclability of the packaging depends on the availability of municipal recycling programs for the packaging used.

- To ensure compliance with local packaging take-back requirements, in the following European countries, HP is a member of a packaging recovery scheme. Some countries are operating a "Green Dot" system as indicated.

Countries with Green Dot systems

- Austria (ARA)
- Belgium (Fostplus: consumer products) (Val-I-Pac: professional products)
- France (Eco-Emballages)
- Germany (DSD)
- Ireland (Repak)
- Portugal (Punto Verde SA)
- Spain (Ecoembes)
- Sweden (Repa Registret)

Countries with no Green Dot system

- Finland (PYR Ltd)
- Italy (Conai)
- Norway (Materialretur)
- Switzerland (SWICO)
- UK (Valpak)

–

- Some larger HP offices also accept HP product packaging* from customers in countries or areas without local packaging recovery schemes. Contact your local HP sales office for more

information.

*This does not include packaging that is contaminated or contains dangerous substances, which should be disposed of in accordance with local regulations.

End-of-life management/recyclability

Hewlett-Packard offers end-of-life HP product return programs in certain geographic areas. To determine if a program is available for this HP product in your area, please refer to our recycling Web site at <http://www.hp.com/go/recycle> or contact your nearest HP sales office. Products returned to HP will be recycled, recovered or disposed of in a responsible manner

This HP product is designed to enhance end-of-life disposal options by:

- Marking plastic parts weighing more than 25g according to ISO 11469 international standards
- Eliminating glues and adhesives from product construction where technically feasible
- Using common fasteners
- Including snap-in features

This HP product contains the following materials that may require special handling at end-of-life:

- Lead in solder.

For recycling information, you can contact www.hp.com/go/recycle or contact your local authorities or the Electronics Industries Alliance: www.eiae.org.

company information

- Environmental Policy

Hewlett-Packard Company established an environmental policy in 1992 with the goals of providing products and services that are environmentally sound throughout their lifecycles and conducting its operations worldwide in an environmentally responsible manner. HP has strengthened that commitment with the intent to be the recognized leader in inventing environmentally sustainable solutions for the common good.

- ISO 14001

In June 2000 HP achieved ISO 14001 certification—the international standard for environmental management systems—of its worldwide manufacturing operations. Issued by the independent registration firm, Bureau Veritas Quality International (BVQI), this global certification is your assurance that HP's policies, procedures and organization for managing the environmental aspects of our operations meet the voluntary requirements of ISO 14001.

- Ozone-Depleting Substances

Hewlett-Packard has eliminated all manufacturing process uses of chlorofluorocarbons (CFCs), HBFCs, halons, 1,1,1 trichloroethane (TCA), carbon tetrachloride and methyl bromide, and we require suppliers to avoid using these chemicals in their manufacturing processes.

for more information

The following information is available online at <http://www.hp.com/go/environment>

- More about HP's commitment to the environment
- Material Safety Data Sheets (MSDS) for HP printer supplies
- Environmental profiles for many related HP products
- End-of-life return and recycling programs for selected HP products, depending upon geographic location

The information presented in this document is based largely on the recommendations made by the ECMA Standardizing Information and Communication Systems Technical Committee 38, Technical Report 70, and is believed accurate and reliable for operating the HP LaserJet 4350 printer series, including recommended maintenance and use of supplies and accessories that meet all requirements and recommendations presented in the user/service manuals. Data are the most current available to Hewlett-Packard at the time of preparation and is issued as a matter of information only. No warranty



as to accuracy or completeness is expressed or implied. The information in this document is subject to change without notice.

ENERGY STAR[®] is a U.S. registered service mark of the U.S. Environmental Protection Agency. As an ENERGY STAR[®] Partner, Hewlett-Packard Company has determined this product meets the ENERGY STAR[®] guidelines for energy efficiency.

© Copyright Hewlett-Packard Company, 2004. All Rights Reserved. Reproduction, adaptation, or translation without prior written permission is prohibited except as allowed under copyright laws.