

Product Environmental Profile

HP LaserJet Pro P1600 Printer series

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Hewlett-Packard Company
Imaging and Printing Group
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Boise, Idaho 83714-0021 USA

1- Environmental Highlights

Energy Conservation—34% reduction in energy use compared to LaserJet P1505 printer (measured using Energy Star TEC in KWh/week per page output)

Environmental Certifications (Blue Angel, Energy Star, Korea KOECO, China CECP, Canada ECP, Green Mark, other) for this and other products can be found at

<http://www.hp.com/hpinfo/globalcitizenship/environment/productdata/index.html>

Hewlett-Packard offers the Planet Partners product return program for both hardware and supplies in many geographic areas.

Instant-On Fusing—saves energy

Auto-On / Auto-Off – saves energy

N-Up Printing—saves paper

Economode Printing Option—saves toner

2- 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
- Chlorofluorocarbons (CFCs), halons, HCFCs, HBFCs, 1,1,1 trichloroethane, carbon tetrachloride or methyl bromide.

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- 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).
 - 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.
 - This product complies with the requirements of the European Union's Directive 2002/95/EC on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS).
 - This product and its packaging are marked/labelled in accordance with China's "Management Methods for Controlling Pollution by Electronic Information Products" legislation, enacted February 2006 (China RoHS).
 - These and other material restrictions are summarized in HP's General Specification on the Environment (GSE), which can be viewed at <http://www.hp.com/hpinfo/globalcitizenship/environment/pdf/gse.pdf>

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.

3- Batteries

- This product does not contain batteries.
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4- Operational Data

Operational Mode: 26 pages per minute

Energy Consumption:

Operation:	440 W
Ready:	2.2 W
Auto-Off:	1.6 W (Per U.S. EPA ENERGY STAR® Test Guidelines)
Off:	0.4 W
TEC Value:	0.895 KWhr/wk (Per U.S. EPA ENERGY STAR® Test Guidelines)

Configuration tested: LaserJet Pro P1606dn printing simplex at 26 ppm

Acoustical Noise: (declared sound power (LwAd) per ISO 7779/ISO 9296)

Operation:	6.6 bels
Ready:	Inaudible

Configuration tested: LaserJet Pro P1606dn printing simplex using A4 paper

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 with printing function according to RAL-UZ 122," BAM April 2006.

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 0.72 air changes per hour.

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

parameter	concentration (mg/m ³)	
	operation	standard/guideline
ozone	BDL ⁽⁵⁾	0.200 ⁽¹⁾
TVOCs ⁽⁴⁾	0.063	0.500 ⁽²⁾
dust	0.008	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 test equipment

Configuration tested: Based on test of a LaserJet Pro P1606dn using A4 paper printing simplex at 25 ppm.

5- Product Physical Data

Models: Weight, Width x Depth x Height

HP LaserJet P1606dn Printer (CE749A): 7.0 kg, 38.7 x 28.4 x 24.6 cm

(Measurements and weight provided are for a non-packaged product with starter toner cartridge)

6- Product Packaging Data

- 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 and DIN 6120 standards.

Product Packaging: (LaserJet Pro P1606dn Printer)

Corrugated Paper ¹	Weight: 1.18 kg
Expanded Polystyrene Foam (EPS)	Weight: 0.15 kg
LDPE (bag)	Weight: 0.05 kg

1. Made from recycled paper. Actual proportions of recycled content will vary depending on geographic location.

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)
- Bulgaria (Ecopak)
- Croatia (Eko-Ozra)
- Czech Republic (Eko-Kom)
- Estonia (ERO)
- Finland (PYR Ltd)
- France (Eco-Emballages)
- Germany (DSD)
- Greece (HERRCO)
- Hungary (OKO-Pannon Kht)
- Ireland (Repak)
- Lithuania (Zaliasis taskas)
- Luxembourg (Valorlux)
- Norway (Gront Punkt)
- Portugal (Punto Verde SA)
- Romania (Eco Rom)
- Slovakia (Envi Pak)
- Slovenia (SloPak)
- Spain (Ecoembes)
- Sweden (Repa Registret)
- Turkey (Sevko)

Countries with no Green Dot system

- Italy (Conai)
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- 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.

7- End-of-Life Management/ Recyclability

Hewlett-Packard offers the Planet Partners product return program for both hardware and supplies in many 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/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

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

8- 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 ITECO Declarations for many related HP products
 - End-of-life return and recycling programs for selected HP products, depending upon geographic location
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9- 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's environmental commitment is to reduce the environmental impact of our products, services and operations, thereby enabling both HP and our customers to operate more sustainably.

- **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.
