

# Ficha técnica

Brother

## Modelos / familias

HL-L5210DW, HL-L5215DN, HL-L6410DN, HL-L6415DN

## Fuente del fabricante

Online User's Guide (HTML/PDF)

[https://support.brother.com/g/s/id/html/doc/printer/cv\\_hll6415dw/uke/PDF/PDF.pdf](https://support.brother.com/g/s/id/html/doc/printer/cv_hll6415dw/uke/PDF/PDF.pdf)

Las páginas siguientes son un extracto técnico del documento oficial del fabricante.

## Specifications

- >> [General Specifications](#)
- >> [Print Media Specifications](#)
- >> [Printer Specifications](#)
- >> [Interface Specifications](#)
- >> [Supported Protocols and Security Features](#)
- >> [Computer Requirements Specifications](#)

### General Specifications

|                                             |                                             |                                                                                                                                                                                                                                                                         |
|---------------------------------------------|---------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Printer Type</b>                         |                                             | Laser                                                                                                                                                                                                                                                                   |
| <b>Print Method</b>                         |                                             | Electrophotographic Laser Printer                                                                                                                                                                                                                                       |
| <b>Memory Capacity</b>                      | <b>Standard</b>                             | <ul style="list-style-type: none"> <li>(HL-L5210DN/HL-L5210DW/HL-L5215DN/HL-L6210DW)<br/>256 MB</li> <li>(HL-L6410DN/HL-L6415DN)<br/>1 GB</li> </ul>                                                                                                                    |
| <b>Machine display</b>                      |                                             | <ul style="list-style-type: none"> <li>(HL-L5210DN/HL-L5210DW/HL-L5215DN/HL-L6210DW)<br/>16 characters x 1 line</li> <li>(HL-L6410DN/HL-L6415DN)<br/>3.5 in. TFT Colour touchscreen Liquid Crystal Display (LCD) <sup>1</sup><br/>Touchscreen 72.5 x 68.7 mm</li> </ul> |
| <b>Power Source</b>                         |                                             | 220 V to 240 V AC 50/60 Hz                                                                                                                                                                                                                                              |
| <b>Power Consumption</b><br>(Average)       | <b>Peak</b>                                 | Approximately 1,280 W                                                                                                                                                                                                                                                   |
|                                             | <b>Printing</b> <sup>2 3</sup>              | <ul style="list-style-type: none"> <li>(HL-L5210DN/HL-L5210DW/HL-L5215DN)<br/>Approximately 670 W at 25°C</li> <li>(HL-L6210DW/HL-L6410DN/HL-L6415DN)<br/>Approximately 710 W at 25°C</li> </ul>                                                                        |
|                                             | <b>Printing (Quiet Mode)</b> <sup>2 3</sup> | Approximately 430 W at 25°C                                                                                                                                                                                                                                             |
|                                             | <b>Ready</b> <sup>2 3</sup>                 | Approximately 31 W at 25°C                                                                                                                                                                                                                                              |
|                                             | <b>Sleep</b> <sup>2 3</sup>                 | <ul style="list-style-type: none"> <li>(HL-L5210DN/HL-L5210DW/HL-L5215DN/HL-L6210DW)<br/>Approximately 5.5 W</li> <li>(HL-L6410DN/HL-L6415DN)<br/>Approximately 5.9 W</li> </ul>                                                                                        |
|                                             | <b>Deep Sleep</b> <sup>2 3</sup>            | <ul style="list-style-type: none"> <li>(HL-L5210DN/HL-L5210DW/HL-L5215DN/HL-L6210DW)<br/>Approximately 0.5 W</li> <li>(HL-L6410DN/HL-L6415DN)<br/>Approximately 0.6 W</li> </ul>                                                                                        |
|                                             | <b>Power Off</b> <sup>4 5</sup>             | Approximately 0.05 W                                                                                                                                                                                                                                                    |
| <b>Dimensions</b><br>(Typical outline view) |                                             | Unit: mm<br><ul style="list-style-type: none"> <li>(HL-L5210DN/HL-L5210DW/HL-L5215DN)<br/>* : 373<br/>** : 257</li> </ul>                                                                                                                                               |

|                               |                                    |                                                                                                                                                                                                                                                              |                                                                                                                    |
|-------------------------------|------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|
|                               |                                    | <p>**** : 388</p> <ul style="list-style-type: none"> <li>(HL-L6210DW)</li> </ul> <p>* : 373</p> <p>** : 289</p> <p>**** : 388</p> <ul style="list-style-type: none"> <li>(HL-L6410DN/HL-L6415DN)</li> </ul> <p>* : 402</p> <p>** : 319</p> <p>**** : 396</p> |                                                                                                                    |
| <b>Weight (with supplies)</b> |                                    | <ul style="list-style-type: none"> <li>(HL-L5210DN/HL-L5210DW)<br/>11.2 kg</li> <li>(HL-L5215DN)<br/>11.6 kg</li> <li>(HL-L6210DW)<br/>12.7 kg</li> <li>(HL-L6410DN/HL-L6415DN)<br/>13.5 kg</li> </ul>                                                       |                                                                                                                    |
| <b>Noise Level</b>            | <b>Sound Pressure</b> <sup>6</sup> | <b>Printing</b>                                                                                                                                                                                                                                              | LpAm = 54 dB (A)                                                                                                   |
|                               |                                    | <b>Printing (Quiet Mode)</b>                                                                                                                                                                                                                                 | LpAm = 50 dB (A)                                                                                                   |
|                               |                                    | <b>Ready</b>                                                                                                                                                                                                                                                 | LpAm = Up to 35 dB (A)                                                                                             |
|                               | <b>Sound Power</b>                 | <b>Printing</b> <sup>6</sup>                                                                                                                                                                                                                                 | (HL-L5210DN/HL-L5210DW/HL-L5215DN)<br>LWAc = 7.06 B (A)<br>(HL-L6210DW/HL-L6410DN/HL-L6415DN)<br>LWAc = 7.07 B (A) |
|                               |                                    | <b>Printing (Quiet Mode)</b>                                                                                                                                                                                                                                 | LWAc = 6.54 B (A)                                                                                                  |
|                               |                                    | <b>Ready</b>                                                                                                                                                                                                                                                 | LWAc = Up to 4.9 B (A)                                                                                             |
| <b>Temperature</b>            | <b>Operating</b>                   |                                                                                                                                                                                                                                                              | From 10°C to 32.5°C                                                                                                |
|                               | <b>Storage</b>                     |                                                                                                                                                                                                                                                              | From 0°C to 40°C                                                                                                   |
| <b>Humidity</b>               | <b>Operating</b>                   |                                                                                                                                                                                                                                                              | 20% to 80% (without condensation)                                                                                  |
|                               | <b>Storage</b>                     |                                                                                                                                                                                                                                                              | 35% to 85% (without condensation)                                                                                  |

<sup>1</sup> Measured diagonally.

<sup>2</sup> Measured when the machine is connected to the USB interface.

<sup>3</sup> Measured when the machine is connected using the same network connection as the ENERGY STAR Ver. 3.1 test method.

<sup>4</sup> Measured according to IEC 62301 Edition 2.0.

<sup>5</sup> Power consumption varies slightly depending on the usage environment.

<sup>6</sup> Measured in accordance with the method described in ISO 7779.

## Print Media Specifications

|                    |                              |                     |                                                                                                                                            |
|--------------------|------------------------------|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Paper Input</b> | <b>Paper Tray (Standard)</b> | <b>Paper Type</b>   | Plain Paper, Letterhead, Coloured Paper, Thin Paper, Recycled Paper, Thick Paper                                                           |
|                    |                              | <b>Paper Size</b>   | A4, Letter, B5 (JIS), A5, A5 (Long Edge), A6, Executive, Legal, Mexico Legal, India Legal, Folio, 16K (195x270 mm), A4 Short (270mm Paper) |
|                    |                              | <b>Paper Weight</b> | 60 to 163 g/m <sup>2</sup> <sup>1</sup>                                                                                                    |

|                                  |                                                   |                               |                                                                                                                                                                                                                                                                                                                                                                |
|----------------------------------|---------------------------------------------------|-------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Paper Input</b>               | <b>Paper Tray (Standard)</b>                      | <b>Maximum Paper Capacity</b> | <ul style="list-style-type: none"> <li>(HL-L5210DN/HL-L5210DW/HL-L5215DN)<br/>Up to 250 sheets of 80 g/m<sup>2</sup> Plain Paper</li> <li>(HL-L6210DW/HL-L6410DN/HL-L6415DN)<br/>Up to 520 sheets of 80 g/m<sup>2</sup> Plain Paper</li> </ul>                                                                                                                 |
|                                  | <b>Multi-purpose Tray (MP Tray)</b>               | <b>Paper Type</b>             | Plain Paper, Letterhead, Coloured Paper, Thin Paper, Thick Paper, Thicker Paper, Recycled Paper, Bond, Label, Envelope, Env.Thin, Env.Thick                                                                                                                                                                                                                    |
|                                  |                                                   | <b>Paper Size</b>             | <ul style="list-style-type: none"> <li>Width:<br/>69.8 to 215.9 mm</li> <li>Length:<br/>127 to 355.6 mm</li> <li>Envelope:<br/>COM-10, DL, C5, Monarch</li> </ul>                                                                                                                                                                                              |
|                                  |                                                   | <b>Paper Weight</b>           | 60 to 230 g/m <sup>2</sup> <sup>1</sup>                                                                                                                                                                                                                                                                                                                        |
|                                  |                                                   | <b>Maximum Paper Capacity</b> | <ul style="list-style-type: none"> <li>Up to 100 Sheets of 80 g/m<sup>2</sup> Plain Paper</li> <li>Envelope: Up to 11 mm thick</li> </ul>                                                                                                                                                                                                                      |
|                                  | <b>Paper Tray 2, 3, 4 (Optional) <sup>2</sup></b> | <b>Paper Type</b>             | Plain Paper, Letterhead, Coloured Paper, Thin Paper, Recycled Paper, Thick Paper                                                                                                                                                                                                                                                                               |
|                                  |                                                   | <b>Paper Size</b>             | A4, Letter, B5 (JIS), A5, Executive, Legal, Mexico Legal, India Legal, Folio, 16K (195x270 mm), A4 Short (270mm Paper)                                                                                                                                                                                                                                         |
|                                  |                                                   | <b>Paper Weight</b>           | 60 to 120 g/m <sup>2</sup> <sup>1</sup>                                                                                                                                                                                                                                                                                                                        |
|                                  |                                                   | <b>Maximum Paper Capacity</b> | <ul style="list-style-type: none"> <li>LT-5505<br/>Up to 250 sheets of 80 g/m<sup>2</sup> Plain Paper</li> <li>LT-6505<br/>Up to 520 sheets of 80 g/m<sup>2</sup> Plain Paper</li> </ul>                                                                                                                                                                       |
| <b>Paper Output <sup>3</sup></b> | <b>Face Down Output Tray</b>                      |                               | <ul style="list-style-type: none"> <li>(HL-L5210DN/HL-L5210DW/HL-L5215DN/HL-L6210DW)<br/>Up to 150 sheets of 80 g/m<sup>2</sup> Plain Paper (face-down delivery to the face-down output paper tray)</li> <li>(HL-L6410DN/HL-L6415DN)<br/>Up to 250 Sheets of 80 g/m<sup>2</sup> Plain Paper (face down delivery to the face down output paper tray)</li> </ul> |
|                                  | <b>Face Up Output Tray</b>                        |                               | <ul style="list-style-type: none"> <li>(HL-L5210DN/HL-L5210DW/HL-L5215DN/HL-L6210DW)<br/>One sheet (face up delivery to the face up output tray)</li> <li>(HL-L6410DN/HL-L6415DN)<br/>Up to 10 sheets (face up delivery to the face up output tray)</li> </ul>                                                                                                 |
|                                  | <b>Mailbox (Optional)</b>                         |                               | (HL-L6410DN/HL-L6415DN)<br>100 sheets x 4 bins of 80 g/m <sup>2</sup><br>400 sheets x 2 bins of 80 g/m <sup>2</sup>                                                                                                                                                                                                                                            |
| <b>2-sided</b>                   | <b>Automatic 2-sided Printing</b>                 | <b>Paper Type</b>             | Plain Paper, Letterhead, Coloured Paper, Thin Paper, Recycled Paper                                                                                                                                                                                                                                                                                            |
|                                  |                                                   | <b>Paper Size</b>             | A4                                                                                                                                                                                                                                                                                                                                                             |
|                                  |                                                   | <b>Paper Weight</b>           | 60 to 105 g/m <sup>2</sup>                                                                                                                                                                                                                                                                                                                                     |

<sup>1</sup> For paper of 105 g/m<sup>2</sup> and above, open the back cover to use the face up output tray.

<sup>2</sup> (HL-L5210DN/HL-L5210DW/HL-L5215DN) Maximum number of Lower Trays: Up to two Lower Trays in any combination.

(HL-L6210DW/HL-L6410DN/HL-L6415DN) Maximum number of Lower Trays: Up to three LT-5505 Lower Trays or up to two Lower Trays in any combination.

- <sup>3</sup> For labels, we recommend removing the printed sheets from the output paper tray immediately after they exit the machine to avoid the possibility of smudging.

## Printer Specifications

|                                          |                                     |                                                                                                                                                                                                                                                                                          |
|------------------------------------------|-------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Automatic 2-sided Print</b>           |                                     | Yes                                                                                                                                                                                                                                                                                      |
| <b>Emulation</b>                         |                                     | PCL6, BR-Script3, IBM Proprinter XL, Epson FX-850, PDF version 1.7, XPS version 1.0                                                                                                                                                                                                      |
| <b>Resolution</b>                        |                                     | Up to 1200 x 1200 dpi                                                                                                                                                                                                                                                                    |
| <b>Print Speed</b> <sup>1</sup>          | <b>1-sided Print</b> <sup>2 3</sup> | <ul style="list-style-type: none"> <li>(HL-L5210DN/HL-L5210DW/HL-L5215DN)<br/>Up to 50 pages/minute (Letter size)<br/>Up to 48 pages/minute (A4 size)</li> <li>(HL-L6210DW/HL-L6410DN/HL-L6415DN)<br/>Up to 52 pages/minute (Letter size)<br/>Up to 50 pages/minute (A4 size)</li> </ul> |
|                                          | <b>2-sided Print</b>                | Up to 24 sides/minute (Up to 12 sheets/minute) (Letter size)<br>Up to 24 sides/minute (Up to 12 sheets/minute) (A4 size)                                                                                                                                                                 |
| <b>First Print Time</b> <sup>4 5 6</sup> |                                     | Less than 6.7 seconds at 23°C                                                                                                                                                                                                                                                            |

<sup>1</sup> The print speed may be slower when the machine is connected by wireless LAN.

<sup>2</sup> The print speeds of "1-sided Print" were measured in accordance with ISO/IEC 24734.

<sup>3</sup> This speed is based on 1-sided printing. If your model's default print setting is "2-sided", change to "1-sided" for these results.

<sup>4</sup> Printing from Ready mode and standard tray.

<sup>5</sup> Length of time from when the machine is started until paper output is complete (except when the machine is turned on or when an error is fixed)

<sup>6</sup> This applies when printing on A4- or Letter-size paper from the standard tray. It could be longer however, depending on the paper size and the amount of print data.

## Interface Specifications

|                                  |                                                                                                                                                                                                                                                                                                                                                                       |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>USB</b>                       | <ul style="list-style-type: none"> <li>Type: USB Type-B receptacle<br/>Version: USB 2.0 High-Speed <sup>1 2</sup><br/>Use a USB 2.0 interface cable that is no more than 2 metres long.</li> <li>(HL-L6410DN/HL-L6415DN)<br/>Type: USB Type-A receptacle <sup>3</sup><br/>Version: USB 2.0 High-Speed<br/>Connect a USB flash drive for USB Storage Print.</li> </ul> |
| <b>LAN</b>                       | 10Base-T/100Base-TX/1000Base-T <sup>4</sup>                                                                                                                                                                                                                                                                                                                           |
| <b>Wireless LAN</b> <sup>5</sup> | (HL-L5210DW/HL-L6210DW/HL-L6410DN/HL-L6415DN)<br>IEEE 802.11a/b/g/n (Infrastructure Mode)<br>IEEE 802.11a/g/n (Wi-Fi Direct®)                                                                                                                                                                                                                                         |
| <b>NFC</b> <sup>6</sup>          | (HL-L6410DN/HL-L6415DN)<br>Yes                                                                                                                                                                                                                                                                                                                                        |

<sup>1</sup> Your machine has a USB 2.0 Hi-Speed interface. The machine can also be connected to a computer that has a USB 1.1 interface.

<sup>2</sup> Third party USB hub devices are not supported.

<sup>3</sup> USB host port

<sup>4</sup> Use a Category 5e (or greater) network cable.

<sup>5</sup> (HL-L6410DN/HL-L6415DN) The wireless network connection can be used only when the optional Wireless Module is installed.

<sup>6</sup> When you connect an external IC card reader, use a HID class driver supported device.

## Supported Protocols and Security Features

Supported protocols and security features may differ depending the models.

### Ethernet

10Base-T/100Base-TX/1000Base-T

### Protocols (IPv4)

ARP, RARP, BOOTP, DHCP, APIPA (Auto IP), WINS/NetBIOS name resolution, DNS Resolver, mDNS, LLMNR responder, LPR/LPD, Custom Raw Port/Port9100, IPP/IPPS, FTP Server, TELNET Server, HTTP/HTTPS server, TFTP client and server, SMTP Client, SNMPv1/v2c/v3, ICMP, Web Services (Print), CIFS client, SNT client, Syslog

### Protocols (IPv6)

NDP, RA, DNS resolver, mDNS, LLMNR responder, LPR/LPD, Custom Raw Port/Port9100, IPP/IPPS, FTP Server, TELNET Server, HTTP/HTTPS server, TFTP client and server, SMTP Client, SNMPv1/v2c/v3, ICMPv6, Web Services (Print), CIFS Client, SNT Client, Syslog

### Network Security (Wired)

SMTP-AUTH, SSL/TLS (IPP, HTTP, SMTP), SNMP v3, 802.1x (EAP-MD5, EAP-FAST, PEAP, EAP-TLS, EAP-TTLS), Kerberos, IPsec

### Network Security (Wireless)

SMTP-AUTH, SSL/TLS (IPP, HTTP, SMTP), SNMP v3, 802.1x (EAP-FAST, PEAP, EAP-TLS, EAP-TTLS), Kerberos, IPsec

### Wireless Network Security

WEP 64/128 bit, WPA-PSK (TKIP/AES), WPA2-PSK (TKIP/AES) (Wi-Fi Direct supports WPA2-PSK (AES) only) , WPA3-SAE (AES)

### Wireless Certification

Wi-Fi Certification Mark License (WPA3™ - Enterprise, Personal), Wi-Fi Protected Setup™ (WPS) Identifier Mark License, Wi-Fi CERTIFIED™ Wi-Fi Direct

## Computer Requirements Specifications

Supported Operating Systems And Software Functions

| Computer Platform & Operating System Version |                                                         | Computer Interface |           |                       | Processor                              | Hard Disk Space to Install <sup>1</sup> |                                      |
|----------------------------------------------|---------------------------------------------------------|--------------------|-----------|-----------------------|----------------------------------------|-----------------------------------------|--------------------------------------|
|                                              |                                                         | USB <sup>2</sup>   | Wired LAN | Wireless <sup>3</sup> |                                        | For Drivers                             | For Applications (including Drivers) |
| Windows Operating System                     | Windows 10 Home / 10 Pro / 10 Education / 10 Enterprise | Printing           |           |                       | 32 bit (x86) or 64 bit (x64) processor | 50 MB                                   | 1.6 GB                               |
|                                              | Windows 11 Home / 11 Pro / 11 Education / 11 Enterprise |                    |           |                       | 64 bit (x64) processor                 |                                         |                                      |
|                                              | Windows Server 2012                                     | Printing           |           |                       | 64 bit (x64) processor                 |                                         | 50 MB                                |
|                                              | Windows Server 2012 R2                                  |                    |           |                       |                                        |                                         |                                      |

|                                   |                     |          |                  |     |        |
|-----------------------------------|---------------------|----------|------------------|-----|--------|
|                                   | Windows Server 2016 |          |                  |     |        |
|                                   | Windows Server 2019 |          |                  |     |        |
|                                   | Windows Server 2022 |          |                  |     |        |
| Mac Operating System <sup>4</sup> | macOS v11           | Printing | 64 bit processor | N/A | 500 MB |
|                                   | macOS v12           |          |                  |     |        |
|                                   | macOS v13           |          |                  |     |        |
| Chrome OS                         |                     | Printing | N/A              | N/A | N/A    |

<sup>1</sup> An Internet connection is required to install the software if the installation disc is not supplied.

<sup>2</sup> Third party USB ports are not supported.

<sup>3</sup> For certain models, the optional Wireless Module is required.

<sup>4</sup> macOS Disclaimer

AirPrint capable: Printing via macOS requires the use of AirPrint. Mac drivers are not provided for this machine.

For the latest driver updates, go to your model's **Downloads** page at [support.brother.com](https://support.brother.com).

For the latest **Supported OS**, go to your model's Supported OS page at [support.brother.com/os](https://support.brother.com/os).

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## Related Information

- [Appendix](#)