

## H-Class

### High-Performance Industrial Printers

The H-Class is a rugged and versatile printer that is one of the industry's most feature-rich solutions for dynamic enterprise applications, while operating as fast as many printers in its class. The H-Class is an ideal solution for high-volume label printing in manufacturing, warehouse, transportation and high-resolution labeling applications.

The H-Class reduces the total cost of ownership through its gear-driven, beltless design, providing rugged and reliable performance for 24/7 mission-critical operations. Modular construction also increases uptime for the highest levels of user productivity. With one of the industry's largest graphical displays, the H-Class provides an easy-to-read view for quick navigation and printer notifications. The H-Class offers a broad range of connectivity to meet diverse application requirements and easily integrates into any network. Support of UHF and HF RFID configurations for current or future requirements protects your printer investment. The high-quality features, performance and rugged reliability make the H-Class an excellent value among premium class printers on the market.

H-Class printers can be used in a wide variety of industrial applications with a range of media compatibility, connectivity, emulation support and options, including RFID support. The H-Class offers a complete range of 12 printer models, all but guaranteeing the best fit for your particular mission-critical label printing application.



*The H-Class decreases downtime with its easy-to-maintain modular features and field-installable options like peel and present, wireless card and an 8" internal self-powered rewind for quick install.*

## FEATURES & BENEFITS



H-Class printers come standard with ethernet, parallel, serial and USB. Other communication options are available.



Rugged construction features a gear-driven design and durable die-cast aluminum frame.



Multi-language menu available in English, Spanish, German, Italian and French.



Large 240x320 graphical LCD display for ease in navigating menus as well as data collection.



Versatile media compatibility supports coated-side-in or coated-side-out ribbons, resulting in easier ribbon-inventory management.

# Technical Specifications

## PHYSICAL CHARACTERISTICS

### Dimensions (HxWxD) and Weights:

**101.6 mm (4 in) standard:** 330 x 321 x 480mm  
(13.0 x 12.6 x 18.9 in)

**101.6 mm (4 in) X series:** 415 x 321 x 489 mm  
(16.4 x 12.6 x 19.3 in)

**152.4 mm (6 in) standard:** 330 x 381 x 480mm  
(13.0 x 15.0 x 18.9 in)

**152.4 mm (6 in) X series:** 415 x 381 x 489mm  
(16.4 x 15.0 x 19.3 in)

**203.2 mm (8 in) X series:** 415 x 433 x 489mm  
(16.4 x 17.0 x 19.3 in)

**Weight:** 8.2 kg (40 lbs); 21.4 kg (47 lbs); 24.1 kg (53 lbs); 26.8 kg (59 lbs)

**Clock:** On-board real-time clock, LCD backlit graphics display

**Construction:** Metal cabinet, clear side window to view monitor media supply levels

## USER ENVIRONMENT

**Operating Temperature:** 0°C to 38°C  
(32°F to 100°F)

**Storage Temperature:** -17°C to 60°C  
(0°F to 140°F)

**Humidity:** 10%-95% non-condensing

## PRINT TECHNOLOGY

**Printer Type:** Direct thermal, optional thermal transfer

**Print Length Range:** 6 mm (0.25 in) to 2,539.75 mm (99.99 in), (values vary with printer configuration)

### Print Speed:

H-4212; 304 mms (12 ips), 8 mmpps (203 dpi)

H-4408; 203 mms (8 ips), 16 mmpps (406 dpi)

H-4310; 254 mms (10 ips), 12 mmpps (300 dpi)

H-4606; 152 mms (6 ips), 24 mmpps (600 dpi)

H-4212x; 304 mms (12 ips), 8 mmpps (203 dpi)

H-4310x; 254 mms (10 ips), 12 mmpps (300 dpi)

H-4606x; 152 mms (6 ips), 24 mmpps (600 dpi)

## POWER SOURCE

**Electric:** Auto-sensing 90-132 or 180-264 VAC @ 47-63Hz

## COMMUNICATION

**Communication Ports (Standard):** Serial RS232, parallel bi-directional, ethernet-wired LAN 10/100, USB 2.0 compatible

**Communication Ports (Optional):** USB-Host, SDIO memory slot, wireless 802.11b/g, GPIO applicator card,

**Communication Ports (Standard Tall Models):\*** Serial RS232, parallel bi-directional, ethernet-wired LAN 10/100, USB 2.0 compatible; USB-Host, SDIO memory slot

**Communication Ports (Optional Tall Models):\*** wireless 802.11b/g, GPIO applicator card

\*Same as X-Series

## MEDIA

**Media type:** Roll-fed: 203.2 mm (8.0 in) max O.D. on a 76.2 mm (3.0 in) core; fan-fold stock: accepted from rear and bottom of printer; die-cut or continuous labels; perforated or continuous tag/ticket stock

**Media Width Range:** 101.6 mm (4 in) models: 25.4 mm (1.0 in) to 118.1 mm (4.65 in); 152.4 mm (6 in) models: 50.8 mm (2 in) to 170.2 mm (6.7 in); 203.2 mm (8 in) models: 76.2 mm (3 in) to 228.9 mm (9.0 in)

### Minimum Media Length:

Tear-off and rewind modes: 6.4 mm (0.25 in)

Peel and cutter modes: 25.4 mm (1.0 in)

**Media Thickness Range:** 0.0635 mm (0.0025 in) to 0.254 mm (0.01 in)

**Media Sensing:** "See through" for liner-backed die-cut labels and tags, reflective sensor for black-mark label media

**Label Backfeed:** For use with optional cutter and peel & present

**Ribbon Width Range:** 101.6 mm (4 in) models: 25.4 mm (1.0 in) to 114.3 mm (4.5 in); 152.4 mm (6 in) models: 50.8 mm (2.0 in) to 170.2 mm (6.7 in); 203.2 mm (8 in) models: 76.2 mm (3.0 in) to 228.9 mm (9.0 in)

**Ribbon Core:** 25.4 mm (1.0 in)

**Ribbon Length:** 600 m (1,968 ft)

**Coated-side-in or coated-side-out**

*For optimum print quality and printer performance, use certified Honeywell media supplies.*

## AGENCY APPROVAL

*Contact your Honeywell sales representative for the most recent list of agency approvals.*

## BARCODES/FONTS/GRAPHICS

**Memory:** 16MB SDRAM/8MB Flash

**Barcodes:** Linear: Code 3 of 9, UPC-A, UPC-E, Interleaved 2 of 5, Industrial 2 of 5, Std 2 of 5, Code 11, Code 93, Code 128, EAN-8, EAN-13, HIBC, Codabar, Plessey, UPC 2 and 5 digit addendums, Postnet, UCC/EAN Code 128, Telepen, Planetcode, FIM, USPS-4 State; 2D Symbolologies: MaxiCode, PDF417, USD-8, Datamatrix, QR Code, Codeablock, Code 16k, Aztec, TLC 39, Micro PDF417, GS1 Databar

**Resident Fonts:** Ten alphanumeric fonts from 2.5- to 23-point including OCR-A, OCR-B, CG Triumvirate™ smooth font from AGFA®; Scalable Fonts: CG Triumvirate Bold Condensed, CG Triumvirate & CG Times with Cyrillic, Greek Arabic and Hebrew character support

**Downloadable Font Types:** True-Type, Bitmap

**Character Set:** More than 50 resident character sets; Unicode/UTF8 support

**Font Expansion/Rotation:** All fonts expandable vertically and horizontally up to 24x; fonts and graphics can be printed in four directions: 0°, 90°, 180° and 270°

**Graphics Supported:** .pcx, .bmp, .img and ASCII format files

**Reversible Field/Mirror Image:** Any font or graphic field can be printed as a normal or reverse image

## SOFTWARE/FIRMWARE

**DMX Config:** Complete printer setup utility DMX NetManager, Embedded Network Web Pages Windows® Drivers - NT, XP, Vista

**Universal Printer Command Language:** PL-Z (Zebra), PL-I (Intermec), PL-B (Boca)

## ACCESSORIES

**External Rewinder**

**Serial Adapter Cable**

## OPTIONS

**Font Support**

**GPIO Interface**

**ILPC (Hangul, Simplified Chinese, and Kanji)**

**Internal Rewinder (non-"X" models only)**

**Label Present Sensor**

**Large 240 x 320 Display (non-"X" models only)**

**Linear Scanner**

**MCL Enabled**

**Peel & Present (38 mm/1.5 in min. label length)**

**- Basic or Heavy-Duty**

**Powered Internal Rewinder ("X" models only)**

**RFID-UHF & HF**

**SDIO/USB Host Interface (non-"X" models only)**

**Standard Cutter**

**Thermal Transfer (field or factory installed)**

**Wireless 802.11b/g**

## WARRANTY

**Standard Warranty:**

**Printer:** 1 year\*

**Printhead:** 1 year\* or 25,400,000 mm (1,000,000 in), whichever comes first)

**Extended Warranty:** Contact your Honeywell sales representative for extended warranty options available through Honeywell Repair Services

\* Covers platen roller, printhead and installed options

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