Standard Specifications

Printing specifications		
Model	PH-D260W	PH-D460W
Nozzle size	65 µm	65 µm
Max. print line number	Up to 2 Lines	Up to 4 Lines
Maximum number of print characters (each line)	1 Line: Up to 240 characters 2 Line: Up to 120 characters	1 Line: Up to 240 characters 2 Line: Up to 120 characters 3 Line: Up to 80 characters 4 Line: Up to 60 characters
Dot matrix (horizontal × vertical)	1–2 Line: 5×5, 5×8 (or 5×7), 7×10 (or 9×7, 9×8) 1 Line:12×16	1–4 Line: 5×5, 5×8 (or 5×7) , 9×8 (or 9×7) 1–3 Line: 7×10 1–2 Line:12×16, 1 Line: 18×24, 24×32
Character height	2–10 mm / 0.08–0.39 inches	
Display & input device	Display: LCD (8.9 inch monochrome), backlight provided Input Device: Touch panel, input sound provided	
Screen language 2 language selectable:	English, Chinese, Korean, Thai, Vietnamese, German, French, Dutch, Italian, Spanish, Portuguese, Swedish, Danish, Greek, Russian, Czech, Polish, Arabic, Serbian, Turkish, Hungarian, Bulgarian and Catalan available	
Maximum print rate (characters / s) (Font 5 × 5, space 1, 1 line)	Up to 2,296	
Standard characters	Alphanumeric (A–Z, a–z, 0–9), symbols (27), space: Total 90	
Number of user pattern registration	Each dot matrix 128 patterns	
Print functions	Calendar, Counter, Message storage (150 messages), Font mixture, Passwords security, Bar codes (code39, ITF, NW-7, EAN13/UPC-A, Code128/EAN128), Data Matrix 2-D code (Alphabet : 49 characters, Numerals: 98 characters), Encoder with speed follow-up function, Reciprocating print, etc.	
Input signal	Print target detection, Printing stop, Reciprocating print, Rotary encoder pulse	
Output signal	Print ready, Fault, Warning, Print in progress or Print complete, Online	
Data interface	RS-232C at baud rates selectable up to 38.4 kbps	

General specifications			
Operating temperature range	0–45 °C / 32–113 °F (JP-K67, K69 Ink)		
Humidity range	30–90% R.H. (no condensation) Note: When humidity is more than 85%RH, please purge inside of Printhead by dry, clean air.		
Atmosphere	No corrosive gas		
Power supply (Automatic voltage selection)	AC 100–120 / 220–240V±10% 50/60 Hz 150 VA (AC Inlet)	Printhead cable length	4 m / 13.1 ft
Approval	CE, UL, cUL, C-Tick, FCC, ICES	Overall size (width × depth × height)	400×290×515 mm 15.7×11.4×20.3 inches
Cabinet	Stainless Steel / IP55	Approximate weight	25 kg / 55 lbs

Please read the Instruction Manual before use for proper handling.

Additional Equipment Options

Expansion or Addition of Print Characters

Expansion or Addition of Message Storage Capacity

External Remote Communication Function

External Message Recall and Counter Function

Barcode Reader Message Recall Function

Communication Print Buffer Function

90 Degree Printhead

Information in this brochure is subject to change without notice.

◉ Hitachi Industrial Equipment Systems Co., Ltd.

For further information, please contact your nearest sales representative.

Dimensions	
Console	

515mm 20.3"
400mm 15.7"
290mm 11.4"
Printhead

Printhead : PH-D*60W	90 Degree Printhead
40mm 1.57" 40mm 1.57" 228mm 9.0"	Nozzle size : 65µm 198mm 7.8" 140mm 5.52" □45mm □1.78"

HITACHI
Inspire the Next

Ink Jet Printer
PH Model
High-Performance Type

Fusion of Experience, Reliability and Practicality

http://www.hitachi-ies.co.jp/english/products/ijp/

High Performance Model for a Variety of Printing Applications with Ease of Operation Through the Liquid Crystal Touch Panel and Expected Reliability.

The Hitachi PH Model industrial small character high speed printer, categorized as a non-contact marking system, prints variable product information directly on various substrates. The IJ printer is capable of marking and coding various product materials such as metals, plastics, rubbers, films and papers. The Hitachi PH Model offers the consumer superior print quality, reliability and overall performance.

Easy operation and maintenance

Ergonomic cabinet design allows for easy access to circulation and electrical cabinets for more efficient field installations and routine preventive maintenance.

Liquid Crystal Touch Panel (8.9 inch)

The menu select system offers users exceptional ease and simplicity of use.

Memory Card

Memory card can be used to store the copied "Print data" and "user pattern".

Easy maintenance

Printer filter assemblies can be easily accessed in the circulation cabinet front panel and replaced without use of any tools.

Eco-friendly and various ink type options

Hitachi is committed to protecting our environment by providing products that are eco-friendly. Fluids free of 'chrome-complex dye' and 'ethanol based inks' are available for general purpose applications.

High reliability

Printhead is made of cast aluminum body for more rigidity.

Printhead is durable even when subject to severe ambient conditions, both indirectly and directly.
Nozzle and gutter are automatically cleaned before stopping.

Enclosure rated for industry standard dust and water protection (IP55)

The PH Model conforms to Industry standard dust and water protection (IP55) of the international safety standards (IEC). It is also optimally suited for the production line of "Beverage, Food, and Pharmaceutical" because of its highly corrosion-resistant stainless steel body.

Wide Range Operating Temperature

The applicable temperature range is 0 to 45℃ / 32 to 113°F (JP-K67, JP-K69 ink).

Printing samples (Full scale)

*1. The print samples have been produced under ideal conditions. Print quality depends on printing speed.
*2. Hitachi Industrial Equipment Systems Co.,Ltd. (Hitachi) shall not be liable for any manufacturing loss, or any product damage due to trouble or malfunction of the ink jet printer.
*3. Hitachi continually improves products. Therefore the right is reserved to alter the design and/or specifications without giving prior notice.

Integration of refined features and functional designs

Multiple printing functions.

Mixed number of lines, font mixture, creation of user patterns, barcode and 2D code printing.

User-friendly coding functions.

Message registration/recall, reciprocating print, external remote communication.

Operational assistance functions.

On screen step-by-step guidance, alarm log history, user password protection.

Various coding functions.

Date/ time automatic update, calendar substitution, counter.

Versatile interface and Various input/ output functions.

I n p u t : Print target detection, printing stop, reciprocating print, rotary encoder pulse
Output: Print ready, fault, warning, print in progress or print complete, online.