Technical Details

F-TYPE PRINTHEADS

Technology
HP TIJ 2.5

Printhead frequency
15 KHz

Print height
12.7 - 50.8 mm / ½" - 2"

1 to 4 pens

Print head distance
0.5 - 2.0 mm

(nozzle to print surface)

Voltage
100-240 VAC

Interface
SUB-D25

Signals
Fusion signal

Complies to
CE directives

Housings
Stainless steel

Environmental conditions
Operating temp.: 10 - 50º C
Humidity: 10 - 90%
Non-condensing

Weight
see details below

WEIGHT

<table>
<thead>
<tr>
<th>In Kg / lbs</th>
<th>Top</th>
<th>Side</th>
<th>Side Low</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-pen (½&quot;)</td>
<td>0.37 (0.81)</td>
<td>0.36 (0.79)</td>
<td>0.46 (1.05)</td>
</tr>
<tr>
<td>2-pen (1&quot;)</td>
<td>0.62 (1.37)</td>
<td>0.60 (1.32)</td>
<td>0.73 (1.60)</td>
</tr>
<tr>
<td>3-pen (1½&quot;)</td>
<td>0.82 (1.81)</td>
<td>0.99 (2.20)</td>
<td>0.91 (2.01)</td>
</tr>
<tr>
<td>4-pen (2&quot;)</td>
<td>1.04 (2.30)</td>
<td>1.07 (2.35)</td>
<td>1.28 (2.83)</td>
</tr>
</tbody>
</table>

HSAJET® and HP TIJ 2.5 technology

The HSAJET® printers use HP thermal inkjet technology TIJ 2.5, providing high-resolution printing up to 600 dpi for sharp text, crisp barcodes and intense spot colours.

Versatile and affordable, HP’s advanced inkjet technology powers a wide range of industrial and commercial printing applications - from simple text documents to vivid, complex print jobs on many types and sizes of media.

HSAJET® printheads

The HSAJET® printheads are available in three different versions: Top - Side - Side/Low

The physical dimensions of each version along with cable connector directions provide advantages to each printhead. This facilitates the installation. The robust stainless steel design meets the demands for production environments.

HSAJET® F-type printheads

Every stall in our new printheads has a switch as well as a fuse. These have been added to avoid damage to the printhead if ink-cartridges are being taken out of the stall during print-mode. If a cartridge is taken out, the power to the printhead is cut off.

All our new controllers use the F-type printheads.

HP key-features

• Cost-effective: No warm-up cycle and no down time
• Easy to use: No special training required to operate and maintain thermal inkjet printers
• Fast: Hundreds of tiny nozzles firing at high frequency allow high-quality printing at high speeds
• Reliable: TIJ is less sensitive to air bubbles in the firing chamber than other printing technologies, avoiding print quality problems and delays caused by trapped air
• Flexible: Supports a wide variety of media
• High quality: TIJ places smaller drops more accurately, producing consistently superb image and text quality
• Environmentally safe: With thermal inkjet, there is no need for service technicians qualified to handle volatile solvents, and no noxious fumes
• Lower cost of ownership: A thermal inkjet printer can cost much less than other printing equipment, reducing the market entry cost

Inkjet Technology by HP
Technical Details

**F-TYPE PRINTHEADS**

**CONFIGURATIONS**

**TOP/DOWN**

1-PEN

2-PEN

3-PEN

4-PEN

**SIDE**

1-PEN

2-PEN

3-PEN

4-PEN

**SIDE/LOW**

1-PEN

2-PEN

3-PEN

4-PEN

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**Technical Details**

**F-TYPE PRINTHEADS**

**DIMENSIONS**

**TOP/DOWN**

- Dimensions in mm (inches)
  - A1 | A2 | B1 | C1 | C2
  - 1-PEN: 115 (4.51) | 108 (4.24) | 106 (4.18) | 43 (1.68) | 32 (1.26)
  - 2-PEN: 128 (5.04) | 121 (4.77) | 109 (4.29) | 77 (3.02) | 58 (2.29)
  - 3-PEN: 140 (5.52) | 133 (5.24) | 109 (4.29) | 102 (4.03) | 84 (3.30)
  - 4-PEN: 152 (6.00) | 146 (5.73) | 109 (4.29) | 128 (5.05) | 109 (4.31)

**SIDE**

- Dimensions in mm (inches)
  - A1 | A2 | B1 | B2 | C1 | C2
  - 1-PEN: 158 (6.23) | 84 (3.32) | 106 (4.18) | 46 (1.80) | 45 (1.76) | 32 (1.26)
  - 2-PEN: 171 (6.71) | 97 (3.80) | 106 (4.18) | 46 (1.80) | 67 (2.63) | 56 (2.21)
  - 3-PEN: 183 (7.20) | 109 (4.29) | 106 (4.18) | 46 (1.80) | 94 (3.68) | 82 (3.22)
  - 4-PEN: 196 (7.70) | 122 (4.79) | 106 (4.18) | 46 (1.80) | 119 (4.69) | 107 (4.23)

**SIDE/LOW**

- Dimensions in mm (inches)
  - A1 | A2 | A3 | B1 | B2 | C1 | C2
  - 1-PEN: 99 (3.91) | 84 (3.32) | 28 (1.08) | 218 (8.57) | 46 (1.80) | 45 (1.76) | 32 (1.26)
  - 2-PEN: 112 (4.39) | 97 (3.80) | 28 (1.08) | 218 (8.57) | 46 (1.80) | 67 (2.63) | 56 (2.21)
  - 3-PEN: 124 (4.87) | 109 (4.29) | 28 (1.08) | 218 (8.57) | 46 (1.80) | 94 (3.68) | 82 (3.22)
  - 4-PEN: 136 (5.36) | 122 (4.79) | 28 (1.08) | 218 (8.57) | 46 (1.80) | 119 (4.69) | 107 (4.23)

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Technical Details
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1-PEN

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Dimensions in mm

A2 A3 B1 B2 C1 C2

1-PEN 25 (0.97) 46 (1.80) 45 (1.76) 32 (1.26)

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Printhead mounts (for bridge) for downprint mounting.

Foot plates for left or right travel.

Bracket for sensor mount on printhead.

HSAJET HP printheads with 1 to 4 pens can be combined and mounted on a common footplate. This enables printheads of 7, 8 or 9 pens.

Weight

<table>
<thead>
<tr>
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DEALER: