

H2000 Printer Specifications

Description: Machine specifications should be used by customers and Field Service Engineers during initial phases of printer logistics planning.

Affected Printers: H2000 UltraDrop

1.0 H2000 Printer Specifications

Machine specifications should be used by customers and Field Service Engineers during initial phases of printer logistics planning for the affected printers.

Safety

Please adhere to the following safety items:

- Familiarize yourself with the EFI Printer Safety Guide, available at, <http://inkjet.support.efi.com/doc.php?doc.php?doc=683>.
- For general information and requirements that apply to all EFI Inkjet Solutions printers regardless of model, please see EFI Inkjet Solution's Customer Support Information Guide, located online at <http://inkjet.support.efi.com/doc.php?doc=681>.

Technical Support

Technical support for EFI Inkjet Solutions' customers is available 24 hours a day.

Note: A factory warranty or enrollment in a service plan is required for 24 hour support.

Americas	EU, Middle East, Africa	APAC
Customer Care	Customer Care	Customer Care
United States: +1 855-EFI-4HLP (855-334-4457) +1 412-690-4321 Customer.Care@efi.com	+31 20 658 8070 Email EuroInk@efi.com	+1 650 357 4790
Canada/Mexico/South America: +1 650 357 4790 InternationalOrders@efi.com	Part Orders EuroParts@efi.com	Email InternationalOrders@efi.com
Technical Support	Technical Support	Technical Support
North America: +1 855-EFI-4HLP (855-334-4457)	+32 2 749 94 50	+65 6221 2765
Mexico and South America: +1 412-690-4321	DE +49 2102 745-4500 NL +31 20 658-8080/8069 UK +44 12462-98085 Email: EuroSupport@efi.com	
Online Request Support	Online Request Support	Online Request Support
https://inkjet.support.efi.com	https://inkjet.support.efi.com	https://inkjet.support.efi.com

1.1 Modifications

Do not modify this printer from its original design without the prior written approval of EFI Inkjet Solutions, or use unapproved accessories.

Warning: Using unapproved modifications or accessories can lead to serious injury to yourself or others, and even death.

1.2 Hazardous Voltage

All EFI printers contain Hazardous Voltage. Refer to your printers' individual *Operations Guide* and labels attached to the printer components for specific hazardous voltage areas on the printer. Printer operators and technicians must conform to the following guidelines at all times during printer use and maintenance:

- Live electrical terminals can kill. Ensure that the main disconnect switch is in the **Off** position prior to connecting to facility power.
- Some EFI printers are rated as Class I equipment. Ensure that the earth grounding connections between the printer and the host system are maintained at all times.

1.3 Size and Weight

Uncrated

Table 1: H2000 Printer only, no Pallet or Pallet Enclosure

	Imp.	Metric
Height	65"	165.1 cm
Width (Front to Back)	66"	167.6 cm
Length (left to right)	201"	510.5 cm
Weight	4550 lbs.	2063.8 kg

Palletized

Table 2: H2000 Printer on Pallet, no crate

	Imp.	Metric
Height	74"	188 cm
Width (Front to Back)	73"	185.4 cm
Length (left to right)	202"	513.1 cm
Weight	5000 lbs.	2268 kg

Crated**Table 3: H2000 Printer on Pallet with Crate Enclosure**

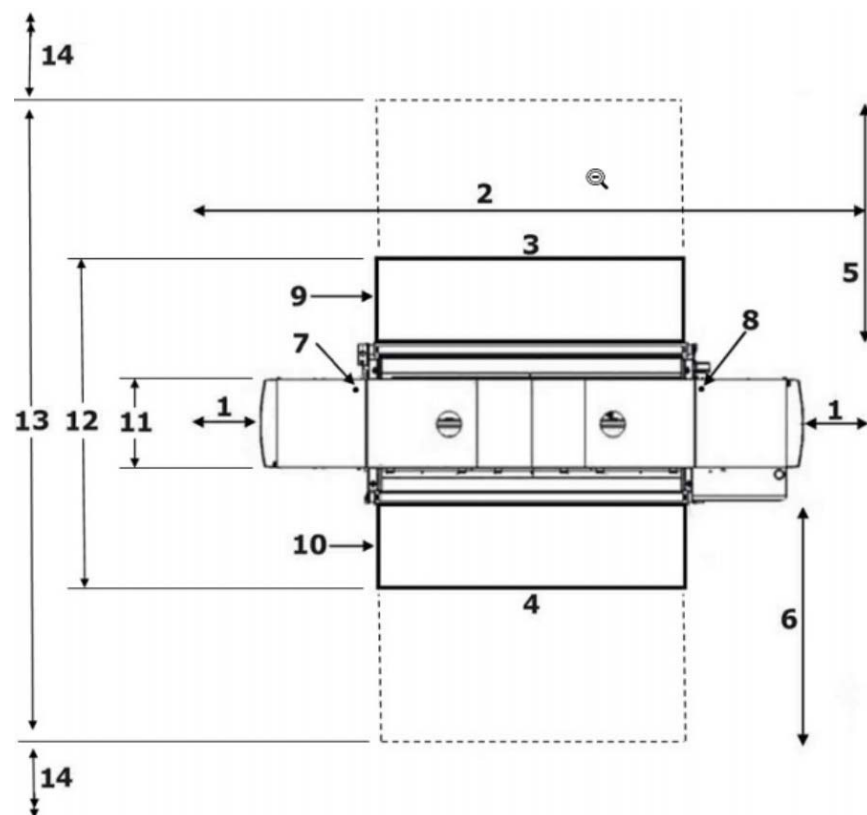
	Imp.	Metric
Height	83"	210.8 cm
Width (Front to Back)	73"	185.4 cm
Length (left to right)	202"	513.1 cm
Weight	6007 lbs.	2724.8 kg

1.4 Floor Space

The H2000 printers require adequate floor space to allow safe operation, including loading and unloading safely. The following table indicates the minimum printer floor space required, as well as the additional space required for loading media and removing the printed media.

Recommended Printer Working Clearances - H2000

Figure 1-1: Top view, working clearance minimum recommendations



H2000			
1	48" (121.9 cm)	8	Electrical cable input from facility circuit breaker panel
2	297" (754.4 cm)	9	Sheet media infeed table, 80.63" x 50" (204.8cm x 127cm), or, 80.63" x 20" (204.8cm x 50.8cm)
3	Back of printer	10	Sheet media outfeed table, 80.63" x 50" (204.8cm x 127cm), or, 80.63" x 20" (204.8cm x 50.8cm)
4	Front of printer	11	66" - Front to Back
5	48-96" (121.9-243.8 cm)	12	106" - Front to Back with 20" Media Tables
6	96" (243.8 cm)	13	166" - Front to Back with 50" Media Tables
7	Compressed air connector inside of bottom red end panel	14	48" to 90" - Recommended Working Clearances (Media Dependent)

Note: Optional 50 inch tables are shown; optional Unwinder/Rewinder shown.

Note: The minimum dimensions shown in this floor layout are calculated based on using 4' x 8' (1.2 m x 2.4 m) sheets of rigid media. If you use larger rigid media, please allow additional space at all sides of the printer.

1.5 AC Power Specifications

Because of variances in local codes, a power cable is not included with the printer and must be supplied by the customer. Size shall be determined by local code requirements.

A licensed electrician must ensure that your printer's dedicated power source meets the printer's requirements.

Note: Measure Phase to Phase and each Phase to Ground (chassis). The Phase to Phase voltage difference must be less than 5% and each Phase to Ground (chassis) difference must be less than 5%.

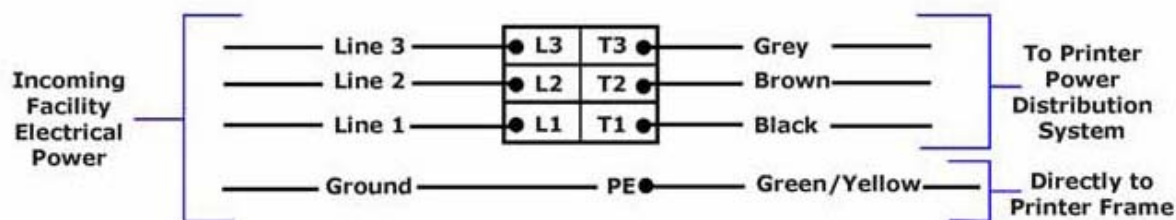
Table 4: H2000 Electrical Requirements

Value	Requirement
Voltage	208 VAC, +/-5%, 50-60 Hz, Three Phase, or 230 VAC, +/-5%, 50-60 Hz, Three Phase
Rated current	60 Amps
Peak power consumption	27 KVA
Continuous power consumption	11 KW

1.6 Three Phase Configurations

[Figure 1-2](#) defines the three phase electrical configurations.

Figure 1-2: Three-phase electrical configuration



Printer 3-Phase Distribution Block

1.7 Compressed Air

The following tables outline the minimum and maximum compressed air volume requirements.

Table 5: H2000 Compressed Air Requirements

	Imp.	Metric
Minimum	95 psi @ 4 cf/min.	6.68 kg/cm ² @ 0.113 cu. m/min.
Maximum	145 psi	10.2 kg/cm ²

For complete information about Compressed Air specifications, refer to the following document: <http://inkjet.support.efi.com/doc.php?doc=975>.

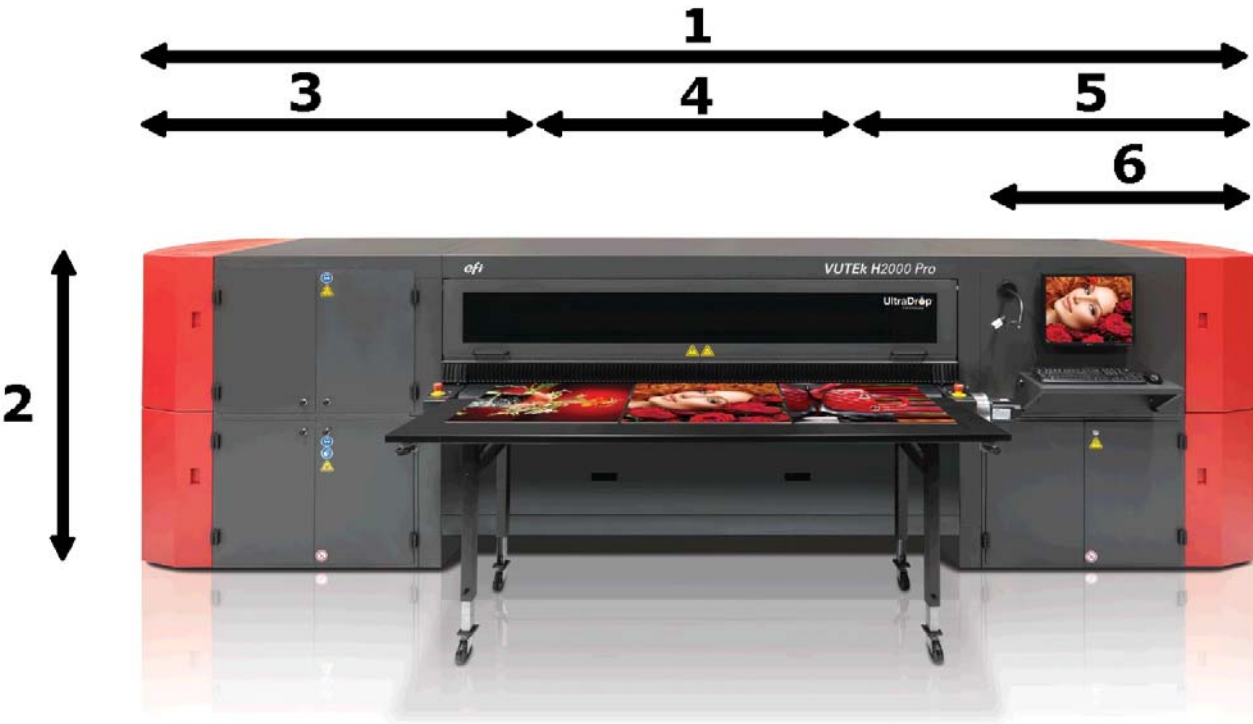
1.8 Printer Dimensions - H2000

Front View

This section contains photos and illustrations of the H2000 showing its critical dimensions. Also see the [Floor Space](#) information.

Note: Exhaust collars outside diameter 10.25" (26 cm), inside diameter 10" (25.4 cm).

Figure 1-3: Front view



	H2000 Dimensions - Front View	Imp.	Metric
1	Width	201"	510.5 cm
2	Height	65"	165.1 cm
3	Side to center of exhaust collar	80"	203.2 cm
4	Between exhaust collars, center to center	40"	101.6 cm
5	Side to center of exhaust collar	80"	203.2 cm
6	Side to electrical input	54"	137.2 cm

End View

Figure 1-4: Printer End view



	H2000 Dimensions	Imp.	Metric
1	Depth, frame only	36"	91.4 cm
2	Optional Unwinder and Rewinder	15"	38.1 cm
3	Overall Depth	66"	167.6 cm

1.9 Environmental

EFI Inkjet Solutions does not supply a ventilation system for your digital printing system. However, EFI Inkjet Solutions does require a ventilation system be installed for extracting ozone, ink particles, solvent fumes, and heat from the printing area.

Customers must maintain the following environmental conditions for the printer and the area in which it is installed.

Specification - H2000	Imp.	Metric
Volume at <u>each</u> exhaust collar (two per printer)	1,000 cf/m	28.4 meters ³ /min.
Maximum under hood temperature	104° F	40° C
Ambient room temperature	68° F – 86° F	20° C – 30° C
Relative humidity (non-condensing)	30% – 80%	
Exhaust collar <u>outside</u> diameter	10.25 inches	26.0 cm
Exhaust collar <u>inside</u> diameter	10 inches	25.4 cm

1.10 Emissions

The following information will assist your Heating Ventilation and Air Conditioning Engineer when designing the printer's ventilation system.

VOC Emissions

Emission / Consumption	Imp.
Lbs. of VOC/hour at maximum speed	Less than 0.1%
Lbs. of VOC/liter of ink	Less than 0.1%
Particulate (mg per liter of ink)	15

1.11 Compressed Air Connector

Figure 1-5: Compressed air connector, left side behind lower end panel



1	Customer supplied 3/8" air line and 3/8" female connector from facility air compressor
2	Air line connector, male fitting

1.12 AC Power Cord

Figure 1-6: AC Power Cord from facility circuit breaker panel, top right rear



1	AC power cord from facility circuit breaker panel
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1.13 Media Specifications - H2000

Table 6: Optional “Standard Duty” Unwinder – Air Core – Single Media Roll

		Imp.	Metric
Media Width	Min.	12"	30.5 cm
Media Width	Max.	80"	203.2 cm
Roll Weight – Air Core	Max @ 80" (203 cm)	400 lbs.	181.4 kg
Media Roll Core	Inside diameter	3"	7.6 cm
Roll diameter	Max.	12"	30.5 cm
Sheet Thickness	Max.	2"	5 cm
Sheet Weight	Max @ 80"	200 lbs.	90.7 kg