



VTS-00064

GS5000r General Printer Specifications

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

Applies to	VUTEK GS5000r printers
Part Number	N/A
Doc Number	VTS-00064
Revision	M
Kit Number	N/A
Online	http://www.vuteksupport.com/doc.php?doc=1175
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For general information and requirements that apply to all EFI-VUTEK printers regardless of model, please see EFI-VUTEK's *Customer Support Information Guide*, located online at <http://www.vuteksupport.com/doc.php?doc=681> and the *EFI Ink Jet Printer Safety Guide*, online at <http://www.vuteksupport.com/doc.php?doc=683>.

Size and Weight

This section contains the uncrated specifications for the GS5000r printer. The standard unwinder and rewinder ship separately from the printer.

Uncrated

	SAE	Metric
Height	75.1"	190.75 cm
Length	342.35"	869.59 cm
Width	68"	172.7 cm
Weight	8,910 lbs.	4,042 kg

Palletized

	SAE	Metric
Height	88"	246.4 cm
Length	348"	883.9 cm
Width	76"	193 cm
Weight	11,500 lbs.	5,217 kg

Palletized and Crated Printer

	SAE	Metric
Height	95"	246.4 cm
Length	348"	883.9 cm
Width	76"	193 cm
Weight	12,815 lbs.	5,813 kg

Rear Unwinder

	SAE	Metric	Crated, SAE	Crated, Metric
Height	18"	45.7 cm	26"	66 cm
Length	236"	5.99 m	242"	6.14 m
Width	33"	83.8 cm	48"	122 cm
Weight	785 lbs.	356 kg	1,600	726 kg

Front Rewinder

	SAE	Metric	Crated, SAE	Crated, Metric
Height	17"	43.2 cm	21"	53.3 cm
Length	238"	6.04 m	242"	6.14 m
Width	30"	76.2 cm	38"	96.5 cm
Weight, uncrated	507 lbs.	230 kg	1,060	481 kg

Floor Space

The GS5000r requires adequate floor space to allow for safe operation, including loading and unloading safely. The following table indicates the minimum floor space required for the GS5000r printer, as well as the additional space required for loading media and removing the printed media. Also see [Recommended Printer Working Clearances](#).

Area

	SAE	Metric
Minimum	40.47' x 24.85'	12.33 x 7.57
Additional Space	See Recommended Printer Working Clearances	

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 should ensure that your printer's dedicated power source meets or exceeds the printer's requirements.

Note: Measure Phase to phase and each phase to ground. The phase to phase voltage difference must be less than 10% and each phase to chassis ground difference must be less than 10%.

Table 1: GS5000r Electrical Requirements

Value	Requirement
50 or 60 Hz, three-phase	200-230 VAC (Delta) or 400-460 VAC (Wye)
Peak rated current	60 Amps at 200-230V and 30 Amps at 400-460V
Peak power consumption	21.4 KVA
Continuous power consumption	11 KW

Three Phase Configurations

Figure 1-1 defines the three phase electrical configurations.

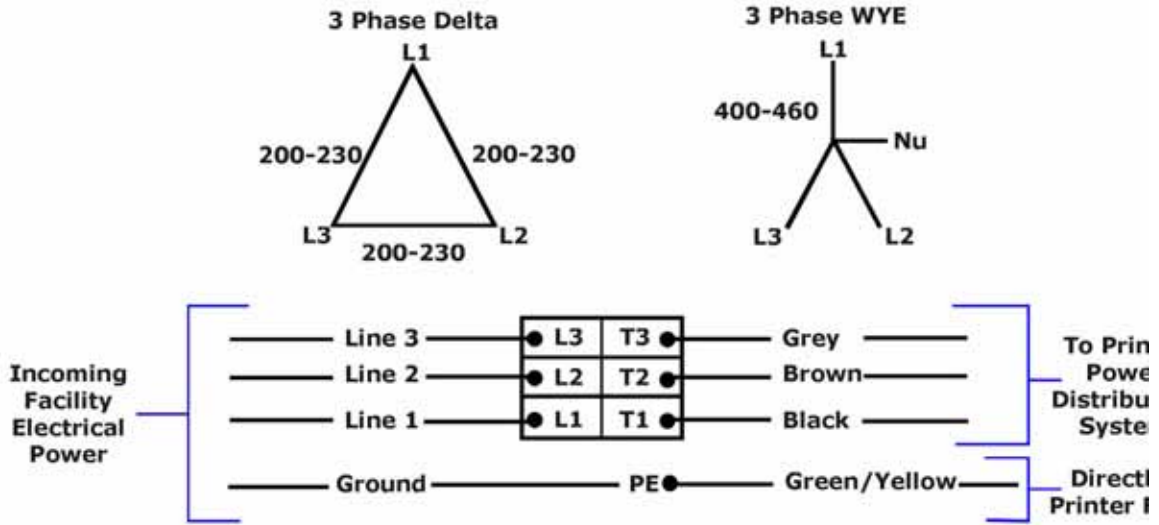


Figure 1-1: Three-phase electrical configuration



Figure 1-2: Main AC input voltage switch

Switch Position	Input Voltage
200-230	200-230 VAC 50 or 60 Hz
400-460	400-460 VAC 50 or 60 Hz

Compressed air

The following table outlines the minimum and maximum compressed air volume requirements.

	SAE	Metric
Minimum	95 psi at 4 cf/m	6.7 kgf/cm ²
Maximum	150 psi	10.5 kgf/cm ²

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

Environmental

EFI-VUTEk does *not* supply a ventilation system for your digital printing system. However, EFI-VUTEk 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	SAE	Metric
Volume (at each of 3 exhaust collars)	500 cf/m	14.2 m 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%	30% – 80%
Inches of water	1.5 – 2.0 inches	38 – 51 mm
Exhaust collar outside diameter (x3)	10.25 inches	26.0 cm

Emissions

The following emissions information assists your HVAC engineer when designing the printer's ventilation system.

VOC emissions

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

Printer Dimensions - Front/Rear

This section contains photos and illustrations of the GS5000r showing its critical dimensions and an example of a typical GS5000r installation floor layout.

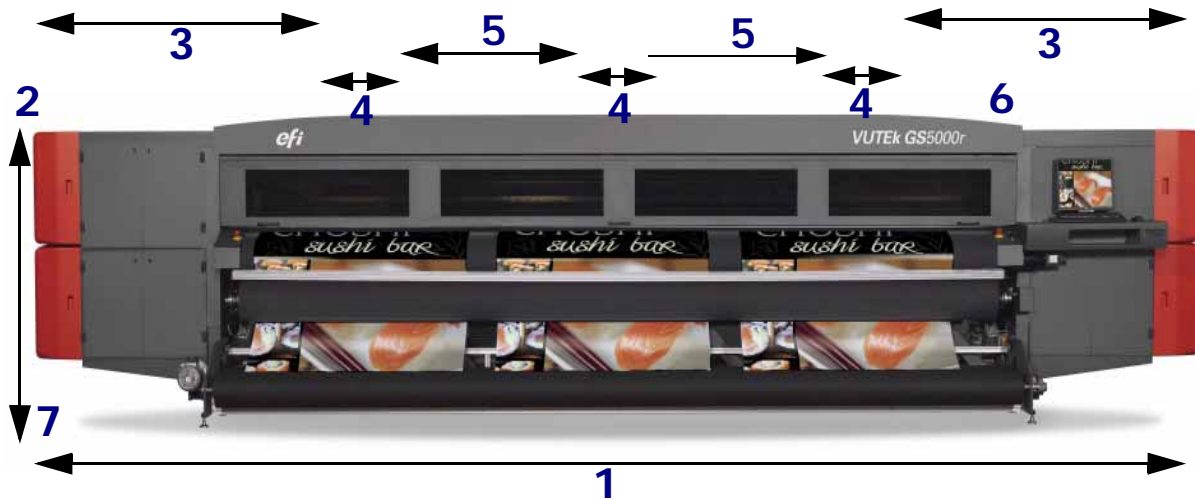


Figure 1-3: VUTEK GS5000r, Front view

Dimension - Front View	SAE	Metric
1-Overall Width	342.35"	869.6 cm
2-Height	78"	198.1 cm
3-Side to vent	85.175"	216.3 cm
4-Exhaust Vents Inside Diameter (3)	10"	25.4 cm
5-Between exhaust vents	71"	180.3 cm
6-Location of Incoming Electrical Power, top of printer, approximate		
7-Location of Incoming Compressed Air, behind end cover, approximate		

Printer Dimensions - Side

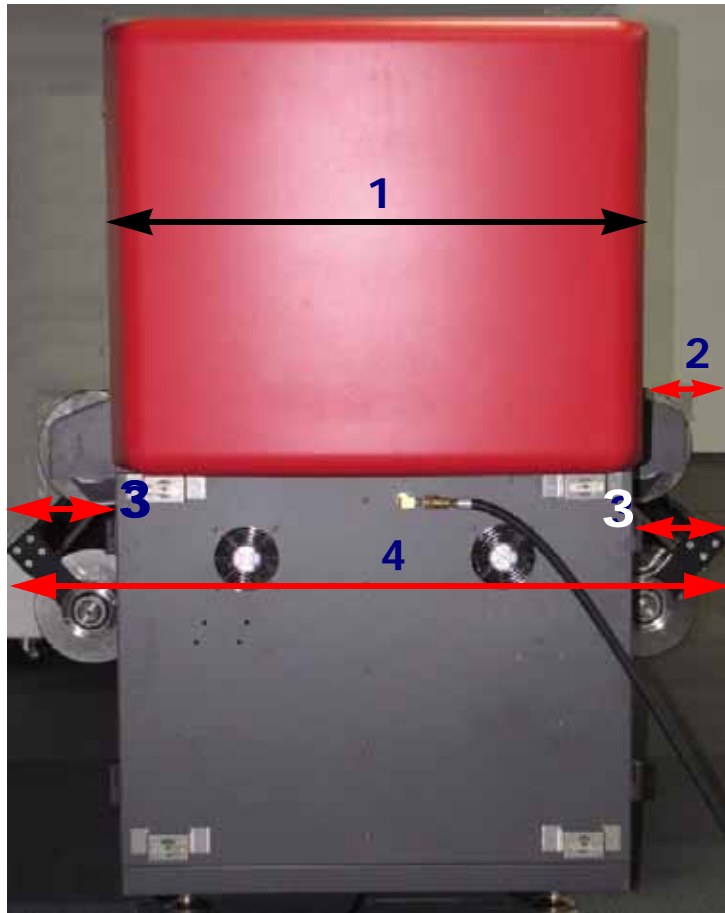


Figure 1-4: Printer end view, carriage side

Table 2: Printer Side View

Component	SAE	Metric
1-Depth, Chassis only	36.25"	92.1 cm
2-Monitor Shelf	14"	35.6 cm
3-Unwinder/Rewinder	15.0"	38.1 cm
4-Overall Depth	68"	172.7 cm

Facility Connections

The printer has several connections that must be made to your facility's infrastructure: Power and Compressed Air.

Compressed Air

A source of incoming compressed air must be connected to the printer, shown next.

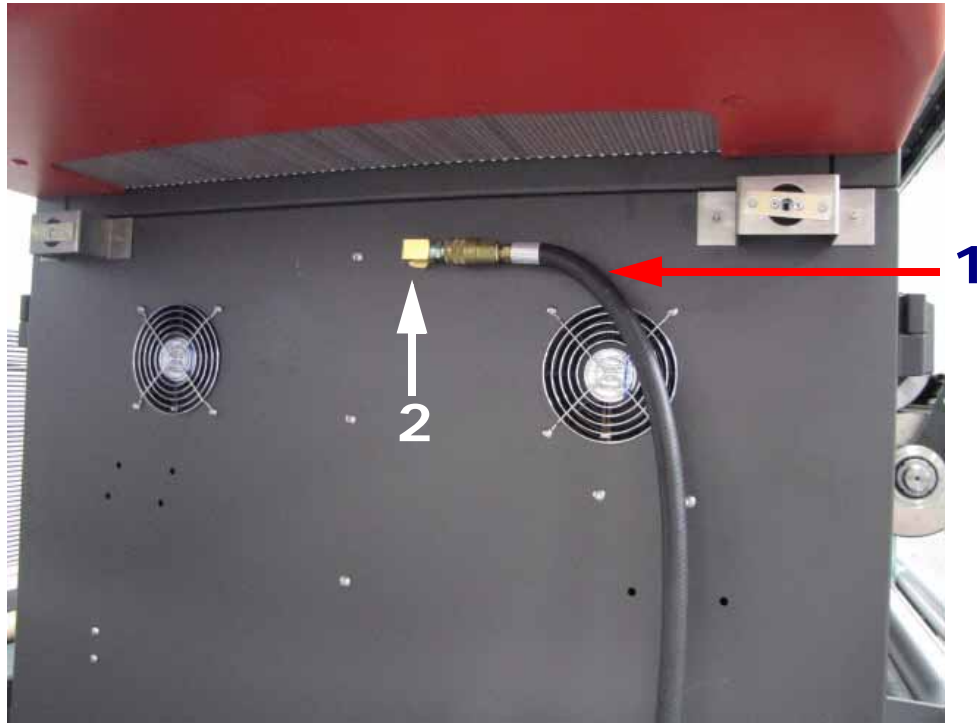


Figure 1-5: Compressed air connector, left side behind lower end panel

1	Customer supplied air line from facility air compressor
2	Air line connector, male fitting

Facility Electrical Power

A source of incoming compressed air must be connected to the printer, shown next.

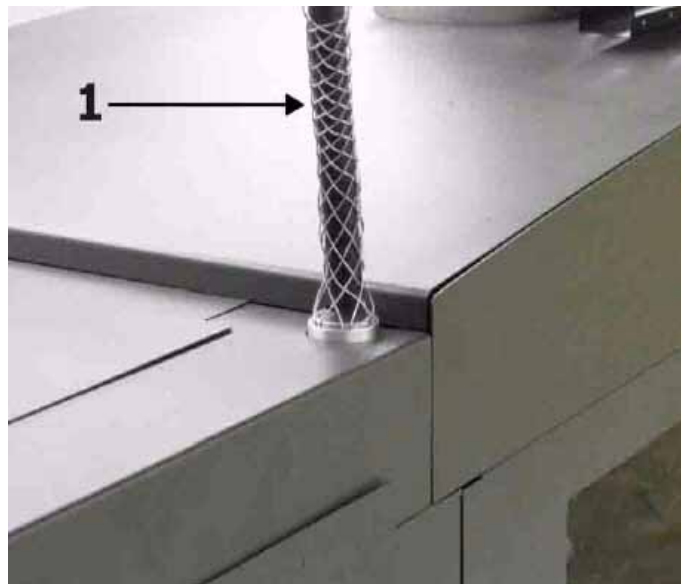


Figure 1-6: AC Power Cord from facility circuit breaker panel (1), top right rear

Recommended Printer Working Clearances

Recommended Printer Working Clearances GS5000r

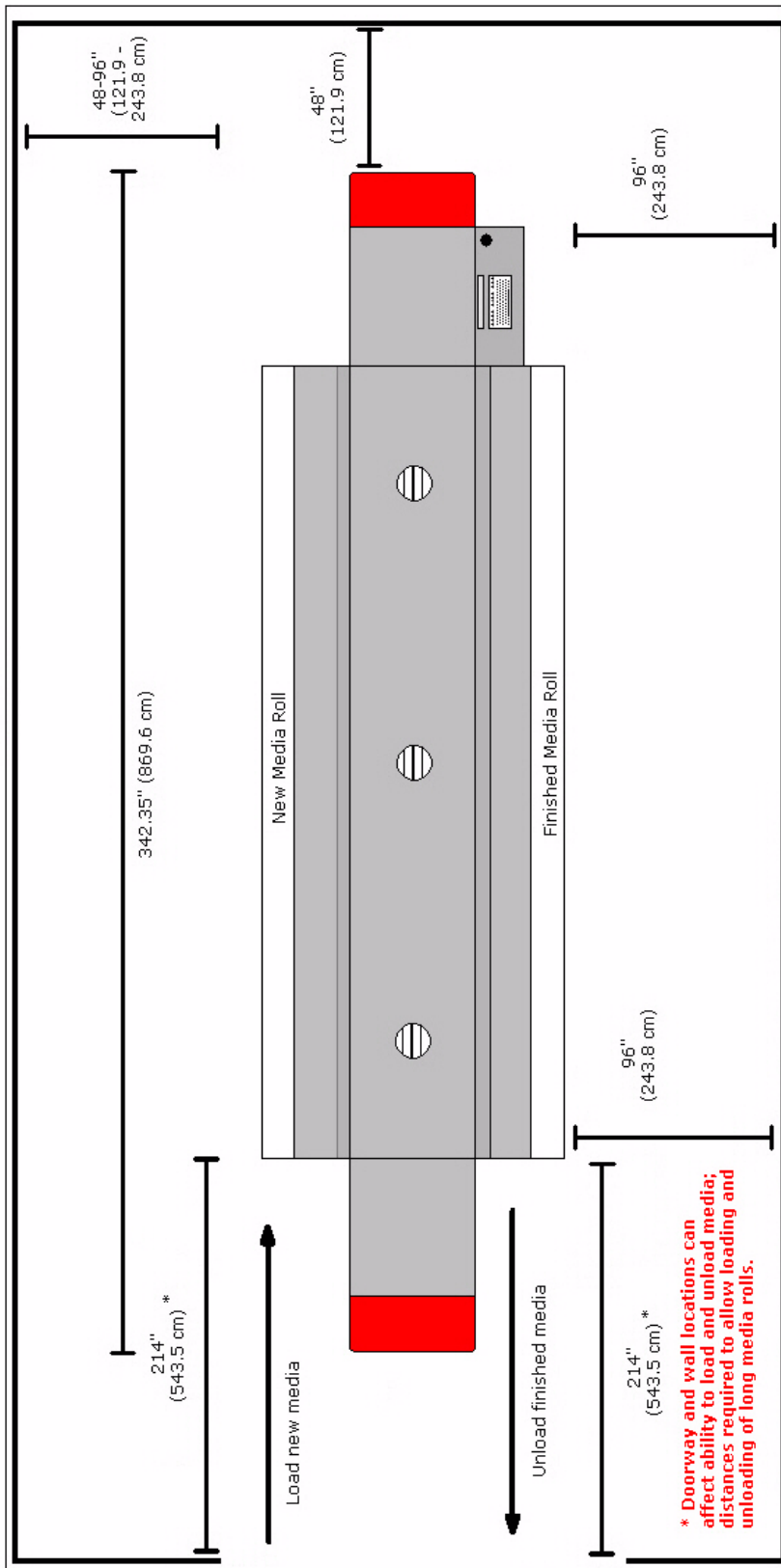


Figure 1-7: Printer Working Clearances

Specification Table

Table 3: General Specifications

Specification	All	SAE	Metric
Number of colors	8		
Print mode	Bidirectional		
Ink type	GS Series Ink, UV-based		
Maximum print width	3 roll setup	198"	5.0 m
Media			
Media Width	Min	40"	1.01 m
Media Width	Max	198"	5.0 m
Roll Weight	Max	882 lbs.	400 kg
Roll Diameter	Max	14"	35.56 cm
Print Gaps			
Linear Encoder gap		0.020"	
Print/Carriage gap		0.060"	