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Site Planning and  
Requirements

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## Power Requirements

HP DesignJet 700, 750C, 750C Plus and 755 CM plotters/printers have self-adjusting power supplies and do not require a voltage selector or switch settings prior to use. The table below lists the power requirements for the plotters.

Power Requirements

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Source Voltage Requirements:	Voltage	Max current (rms)
	100 V ac	1.40 A
	120 V ac	1.17 A
	220 V ac	0.64 A
	240 V ac	0.60 A
Normal Operating Range:	90 to 264 V ac	
Frequency:	47-63 Hz	
Consumption:	140 watts maximum	

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### WARNING

**The ac power outlet (mains) must have a protective earth (ground) terminal. Serious shock hazard leading to death or injury may result if the plotter is not properly grounded.**

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## Choosing an Interface Cable

(Instructions ♦ User's Guide, chapter 1, § *Connect the plotter to your computer.*)

**Serial (RS-232-C) Interface** A short cable (less than 15 meters or 50 feet) is recommended for the RS-232-C interface. A longer cable is permissible, provided the load capacitance does not exceed 2500 picofarads.

**Parallel (Bi-Tronics/Centronics) Interface** Use a short cable (less than 2 meters or 6.6 feet) for the parallel interface.

(Cable part numbers ♦ Service Manual, chapter 11.)

# Choosing a Suitable Plotter Environment

The table below lists the environmental specifications for the plotters.

## Environmental Specifications

<b>Temperature</b>	
Storage	-40 to +70 °C (-40 to +158 °F)
Operating	0 to +55 °C (+32 to +131 °F)
Optimal Operating	+15 to +30 °C (+59 to +86 °F)

<b>Relative Humidity (Operating)</b>	20 to 80 % RH
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<b>Operating environment:</b>	<b>Temperature</b>	<b>Relative Humidity</b>
Plotter/Printer	0 to 55°C (32 to 131°F)	5-95%
With cartridges and media:	15 to 35°C (59 to 95°F)	20-80%
Optimal print quality and media handling:	15 to 30°C (59 to 86°F)	20-80%
<b>Storage environment:</b>	<b>Temperature</b>	<b>Relative Humidity</b>
Plotter/media	-40 to +70°C (-40 to +158°F)	20-80%
Cartridges	-40 to +60°C (-40 to +140°F)	20-90%
<b>Acoustics:*</b>	<b>Sound Pressure</b>	<b>Sound Power</b>
Operating	54 dB (A)	6.5 bels (A)
Idle	< 20 dB (A)	< 3.6 bels (A)

\*These specifications are typical sound pressures at a one-meter bystander position. Idle specification assumes fan is off.

## Plotter Dimensions and Weight

<b>Plotter Model:</b>	<b>E/A0-size plotters</b>	<b>D/A1-size plotters</b>
Height (window closed)	1200 mm (47.3 in)	1200 mm (47.3 in)
Depth	675 mm (26.6 in)	675 mm (26.6 in)
Length	1370 mm (54 in)	1072 mm (42.2 in)
Weight	42 kg (93 lbs)	32 kg (71 lbs)

## Notes