



Precision Rack 3000

Addendum to the

Precision Racks Reference Manual

OVERVIEW

This addendum to the Precision Racks Reference Manual documents the latest addition to the Precision Rack family, the Precision Rack 3000 (see Figure 1). All Cubix Precision Racks are designed to function as a centralized network support platform for the Cubix Density Series systems. Cubix's goal is to provide a solution for space-constrained high-tech computer environments. The Precision Rack 3000 houses up to six Density systems, which can total the equivalent of 48 servers, all within a sturdy, attractive, adaptable enclosure.

This addendum for the Precision Rack 3000 includes:

- * Features and Options
- * Mechanical Specifications
- * Electrical Specifications
- * Electrical Installation



Figure 1 Precision Rack 3000

FEATURES AND OPTIONS

- * 47U RETMA specifications
- * Two 10" high-capacity cooling fans (1100 CFM)
- * Four adjustable levelers
- * Easy access side panels and locking rear door
- * Integrated cable tie assemblies to reduce cable clutter
- * 14 gauge solid steel construction
- * Multiple AC receptacles provided for each subsystem
- * Standard NEMA-L5-30P x 4 for electrical connection
- * Optional keyboard and mouse pull-out tray
- * Optional patch panel with 32 RJ45 connectors
- * Optional ventilated front door with lock
- * Ships pre-assembled
- * The Precision Rack 3000 offers attractive esthetics for any type of environment

MECHANICAL SPECIFICATIONS

Precision Rack 3000	Height	Width	Depth	Rack Space 47U	Shipping Height
Inches	92.25	26.9	31.8	82.25	97.5
Centimeters	234.3	68.3	80.8	208.9	247.7

Weight of Precision Rack 3000: 353 lbs.
Shipping weight (on pallet): 381 lbs.

Cooling: Two 550 CMF Fans

The Precision Rack Series:

Precision Rack Model	Maximum Density Systems	Height (inches)	Max External Power Connections	Fault Tolerant Power	Casters Supported
PR1000	2	50.55	2	No	Optional
PR1100	3	50.55	3	Yes	Optional
PR2000	4	63.00	3	Yes	Optional
PR3000	6	92.25	4	Yes	Not Available For This Model

ELECTRICAL SPECIFICATIONS

North American AC Power input for the Precision Rack 3000 is supplied to the equipment through four 30Amp NEMA-L5-30P power cords.

ELECTRICAL INSTALLATION

The Precision Rack 3000 comes equipped with four 30Amp NEMA-L5-30P plugs. These power cords support six Density systems. Figure 2 shows the NEMA-L5-30P plug, which has three prongs (Line, Neutral and Ground). This plug must be inserted into a NEMA-L5-30R receptacle found in a wall box or a gang box. The receptacle connects to the AC power distribution. This can be the building AC power panel or a UPS system. If you use an extension cord, figure 3 demonstrates how you twist the plug once you insert it into the receptacle, to assure a solid electrical connection.

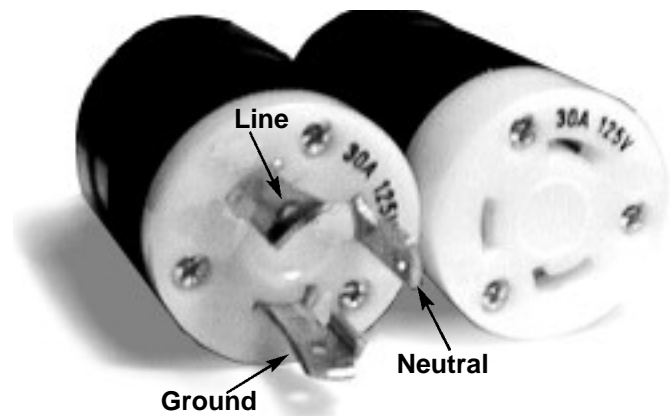


Figure 2 (Left) NEMA-L5-30P Plug
(Right) NEMA-L5-30R Receptacle

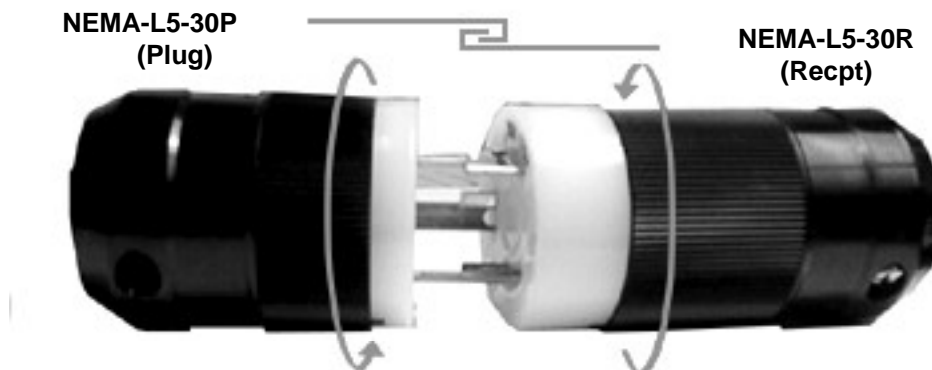


Figure 3 How to connect plug and receptacle

Load Balancing via Terminal Blocks

Figure 4 shows which receptacle connects to which terminal block. Equipment should be connected so the AC distribution circuits are balanced and not over loaded. Each Density system should be plugged into its own "Density Group" receptacles.

Figure 5 shows the terminal block location in the base of the Precision Rack 3000.

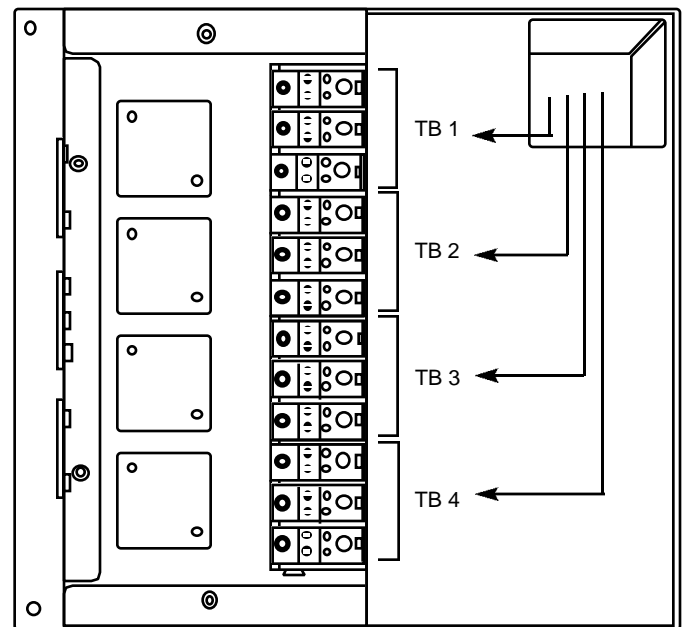
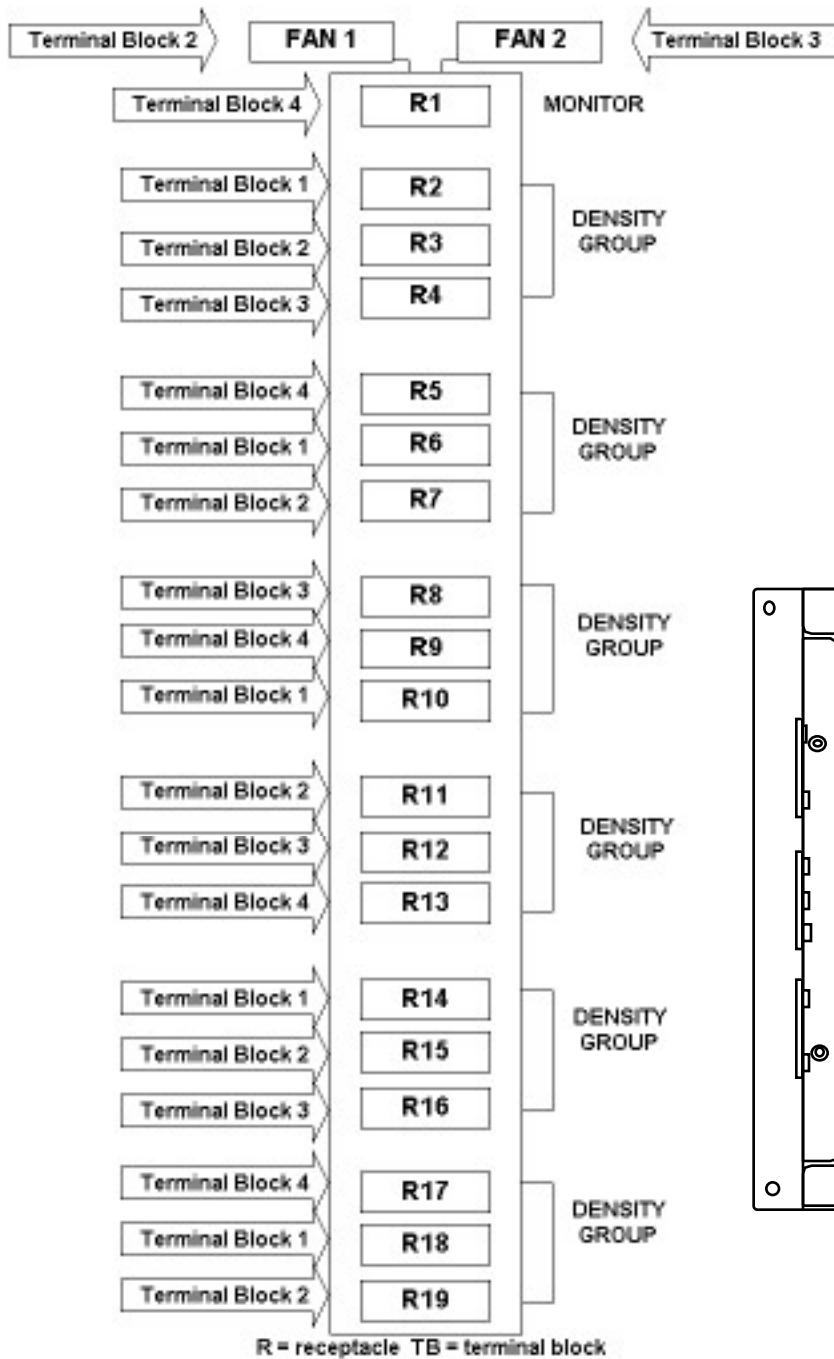


Figure 5 Terminal Block location
(View from top looking down)

Figure 4 Load Balancing for the Precision Rack 3000

FOR CUSTOMER SERVICE INFORMATION:

Call our Customer Service Dept: 1-800-829-0551

Customer Service available from:

5:00 a.m. to 5:00 p.m. PST Monday through Friday

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Use the Cubix Web site for trouble-shooting aids and for access to the latest information on Cubix products.

Customer Service Web site: <http://www.cubix.com/support>

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