



# SITE ENGINEERING

DOCUMENT NUMBER	REV
10658696	E
SHEET 1 OF 8	

## Cray XD1 SITE PREPARATION GUIDE

For questions and comments contact:  
Site Engineering at "[site@cray.com](mailto:site@cray.com)"

PRELIMINARY

REV	-	A	B	C	D	E	
DATE	5/04	7/04	9/04	09/04	10/04	11/04	
APVD	JT	RDH	RDH	RDH	RDH	RDH	

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## **Cray XD1**

A Cray XD1 is an air-cooled chassis containing 12 Opteron and other various specialized processors. Each XD1 Chassis occupies three vertical units in a standard 23-inch (584 mm) rack. Up to 12 Chassis can be mounted in a rack. Each chassis is powered by a separate 200/208 Vac, 3-phase power supply (Universal Single Phase power supply will be available in the fourth quarter of 2004).

## **Cray XD1 ENVIRONMENTAL REQUIREMENTS**

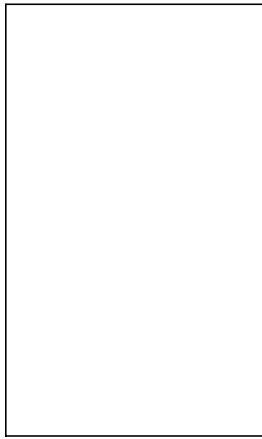
CHARACTERISTIC	SPECIFICATION
TEMPERATURE:  <div style="text-align: right;">Operating* Non-Operating</div>	50 to 90° F (10 to 32° C) -13 to 131°F (-25 to 55° C)
RELATIVE HUMIDITY:  <div style="text-align: right;">Operating* Non-Operating</div>	20% to 80% Non-condensing 5% to 80% Non-condensing
ALTITUDE:  <div style="text-align: right;">Operating Non-Operating</div>	0 to 5,900 ft. (0 to 1800 m) 0 to 40,000 ft. (0 to 12,192 m)

\*An operating temperature range of 64-77° F (18-25° C) and a relative humidity of 40-50% noncondensing is recommended.

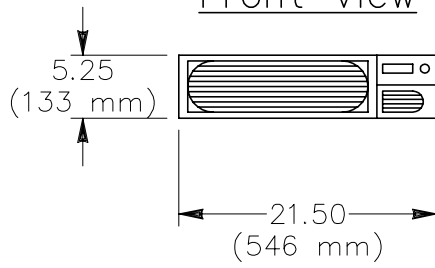


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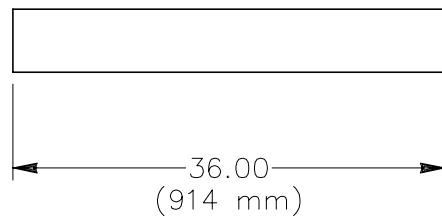
Plan View



Front View



Side View



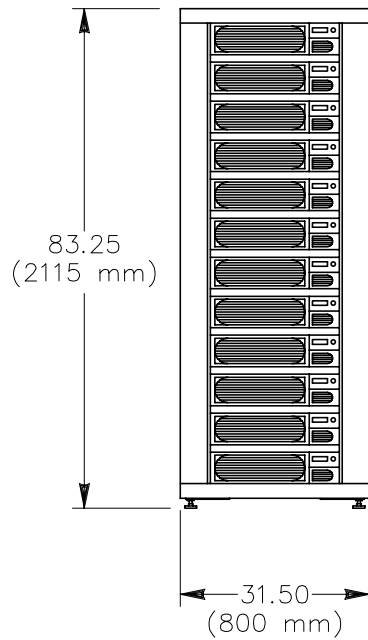


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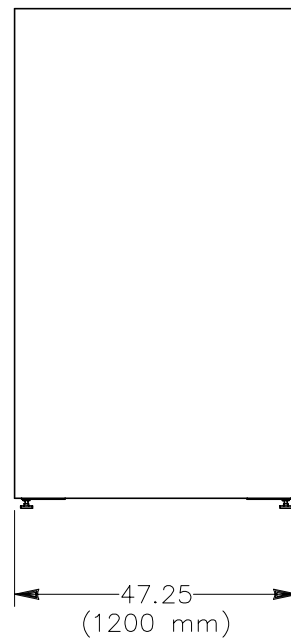
Plan View



Front View

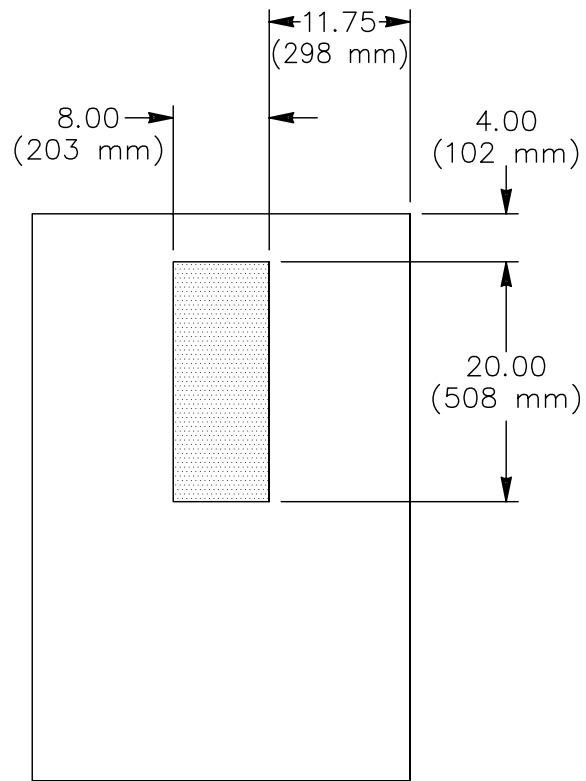


Side View



Cray XD1 Rack

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Front

Cray XD1 Rack Floor Cutout