

EQUIPMENT DESCRIPTION	QTY.	ELECTRICAL REQUIREMENTS					AIR CONDITIONING REQUIREMENTS			PER UNIT WEIGHT LB. (kg)	WIDTH	DEPTH	HEIGHT					
		VOLTAGE	Ø	Hz	WIRES	PER UNIT (TOTAL) KVA	PER UNIT (TOTAL) KW	POWER FACTOR	CIRCUIT SIZE					RECEP TYPE	PER UNIT (TOTAL) KW	TONS		
XD1 CHASSIS (CHASSIS)	* 1	180 to 250	1	60 or 50	3	2.50 (2.50)	2.25 (2.25)	.90	20 AMP at 208 or 32 AMP at 240	NEMA 1B-30R or IEC 60309	7.68 (7.68)	2.25 (2.25)	0.64 (0.64)	125 (57)	21.50 (546)	36.00 (914)	5.25 (133)	
		SYSTEM TOTAL					(2.50)	(2.25)				(7.68)	(2.25)	(0.64)				

1. THIS DOCUMENT IDENTIFIES THE GENERAL POWER, COOLING, AND ENVIRONMENTAL REQUIREMENTS ASSOCIATED WITH PREPARING A FACILITY FOR THE INSTALLATION OF A CRAY XD1 COMPUTER SYSTEM. FOR ADDITIONAL QUESTIONS E-MAIL "site@cray.com".

2. PER UNIT FIGURES DISPLAYED IN THE ELECTRICAL AND AIR CONDITIONING COLUMNS REPRESENT MAXIMUM OPERATING CONDITIONS FOR THE EQUIPMENT. THE FIGURES DISPLAYED IN PARENTHESES REPRESENT THE POWER AND HEAT REJECTION FOR THE SYSTEM CONFIGURATION THAT IS SPECIFIC TO THIS DOCUMENT.

3. ELECTRICAL REQUIREMENTS: FACILITY WIRING MUST BE SIZED IN ACCORDANCE WITH THE ASSOCIATED VALUES DISPLAYED IN THE ELECTRICAL REQUIREMENTS SECTION OF THE CHART. ALL ELECTRICAL WIRING MUST CONFORM TO LOCAL AND NATIONAL CODES. ANY CIRCUIT BREAKERS PROVIDED BY THE CUSTOMER MUST BE CAPABLE OF BEING LOCKED OUT TO FACILITATE "LOOK-OUT/TAG-OUT" PROCEDURES.

4. OVERCURRENT PROTECTION: CIRCUITS SUPPLYING POWER TO GRAY EQUIPMENT MUST BE PROTECTED WITH CIRCUIT BREAKERS SIZED IN ACCORDANCE WITH THE AMPERAGE RATING DISPLAYED ON THE CHART.

5. EQUIPMENT POWER CONNECTION NUMBERS IN THE "RECEPTACLE TYPE" COLUMN ARE NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION (NEMA) REFERENCE NUMBERS (UNLESS OTHERWISE NOTED) WHICH IDENTIFY THE CUSTOMER SUPPLIED MATING BOX MOUNTED RECEPTACLES. AT THE CUSTOMERS OPTION EQUIVALENT IN-LINE COND CONNECTION RECEPTACLES MAY BE UTILIZED IN LIEU OF THE BOX MOUNTED RECEPTACLES.

6. ENVIRONMENTAL REQUIREMENTS (RECOMMENDED RANGE):

TEMPERATURE:	64-77F (18-25C)	TEMPERATURE RATE OF CHANGE MUST NOT EXCEED 9F/HOUR (5C/HOUR)
HUMIDITY:	40% TO 50% NON-CONDENSING	HUMIDITY RATE OF CHANGE MUST NOT EXCEED 10% RELATIVE HUMIDITY/HOUR

NOTE:
* UP TO 12 XD1 CHASSIS' CAN BE INSTALLED IN ONE CABINET.

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MACHINE UNIT SPECIFICATION CRAY XD1 INITIAL UNIV. OF NEW MEXICO PROPOSAL			
DRAWN BY:	JAY YOUNG	APPROVED BY:	BOB HOEHN
APPROVAL DATE:	12-13-04	DRAWING SCALE:	1=1
DRAWING NUMBER	10661294	REVISION	—