

Rack Mounted 6-Slot Chassis

- ◆ **Low Cost**
- ◆ **800 W of Available Power**
- ◆ **Integral Aluminum Front Door and Cable Tray**
- ◆ **System Monitor Included**
- ◆ **Rack Ears and Slides Included**
- ◆ **Ideal for Limited-Space, Rack-Mount Applications**

Racal Instruments™ 1264C/D is a low-cost, 6-slot, C-size VXI chassis with integral aluminum front door and cable tray. This chassis benefits from our years of experience as a leading VXIbus chassis manufacturer, with performance features normally found only in high-end, 13-slot chassis.

The 1264 C/D chassis is ideal for rackmount applications with limited space availability, and includes an aluminum front door for mounting connectors, small receivers, keyboards, or displays. Modules are recessed three inches behind the door, allowing room for connectors and cable service loops. An integral cable tray can be used to wire additional system assets to the front door through the rear of the chassis.

The 1264C/D uses a modular power supply assembly with a wireless interconnect system. This provides 800 W of available power and 500 W of useable power. Its high dynamic current ensures crisp signals and accurate measurements from installed modules. The chassis includes status indicators for all seven power supply rails and fan operation.

Ample cooling is delivered to the modules by means of a pressurized plenum system for even airflow distribution. The chassis includes Racal Instruments' unique slot blockers, which are easily installed to prevent air from diverting through unused slots.

1264C/D PRODUCT SPECIFICATIONS

ELECTRICAL PERFORMANCE

Power Supply Input

115 VAC ± 10%
230 VAC ± 10% (option 71 required)

AC Line Frequency

47-63 Hz

Max Input Power

1000 VA

VXIBUS DATA

Peak Current and Dynamic Current

	+5V	-5.2V	+12V	-12V	+24V	-24V	-2V
I_{mp} (A)	45	30	8	8	4	4	15
I_{md} (A)	5	4	2	2	3	3	3

DC Power

Total Usable Power = 500 W
Total Available Power = 800 W

Periodic and Random Deviations

(PAR)D
± 24 VDC: 150 mVpk-pk
All others: 50 mVpk-pk

SYSTEM MONITORING

(Standard)

Go/No Go Status Indicators

Green light = O.K.; Red light = Failure.
Monitor all seven power supplies, fan operation and ambient temperature.

MECHANICAL

Mainframe Size

VXIbus, 6 each C-size slots

Chassis Weight

Rack Mount Model 30lb.

Dimensions

21.6" D x 19" W x 10.5" H

ENVIRONMENTAL DATA

(MIL-T-28800 Type III, Class 5, Style F)

Audible Noise

55dBA

Temperature Range

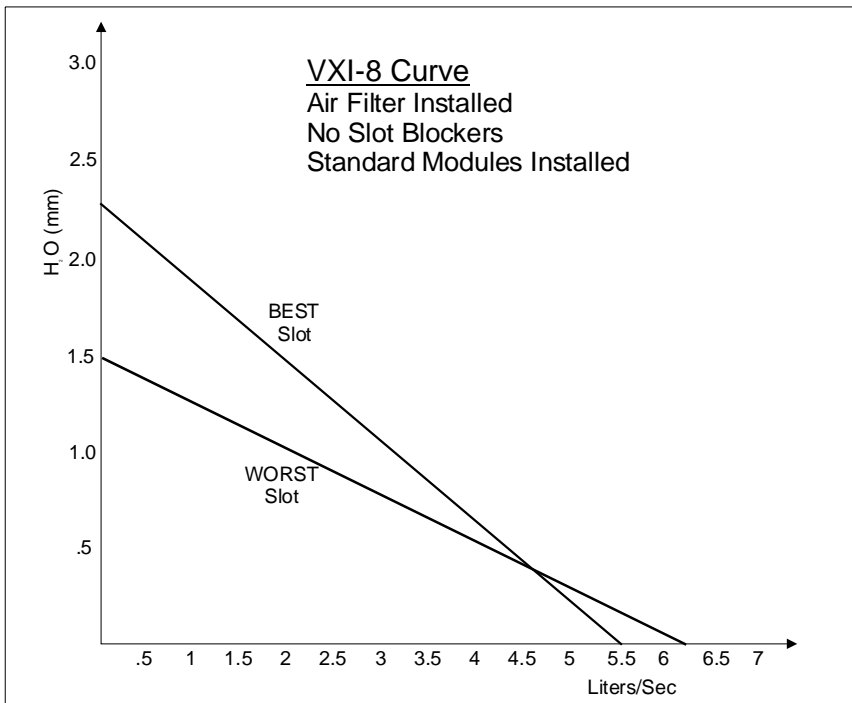
Operating: 0° C to 50° C
Storage: -40° C to 71° C

EMC COMPLIANCE

FCC 47 CFR Part 15 Class A
CE: EN50081-1 Emissions
EN50082-1 Immunity

Safety

EN61010-1, UL 3111-1



1264C/D Airflow Diagram

Airflow curves generated using VXI-8 fixture and specifications.

CE The CE Mark indicates that the product has completed and passed rigorous testing in the area of RF Emissions, Immunity to Electromagnetic Disturbances and complies with European electrical safety standards.

ORDERING INFORMATION

MODEL/DESCRIPTION

Racal Instruments 1264C/D, VXI C-Size, 6 slot Mainframe w/Hinged Door, Cable Tray & Rack Mount Kit w/Slides
Option 15, Air Filter
Option 51, Backplane Connector Shields
Option 52, Inter-Module Shields
Option 71, 220 VAC Fuse and Power Cord
Air Flow Blocker
Blanking Plates

PART NUMBER

407682
407672
407674
407675
407676
456271
404836

The EADS North America Defense Test and Services policy is one of continuous development, consequently the equipment may vary in detail from the description and specification in this publication.



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