

### Compact, 6-Slot VXIbus Chassis Model 1264C



- ◆ **Low Cost**
- ◆ **Lightweight and Portable**
- ◆ **800 W of Available Power**
- ◆ **System Monitor Included**
- ◆ **Rack Mount Kits Available**
- ◆ **Ideal for Limited-Space, Rack-Mount Applications**

The 1264C is a low-cost, 6-slot, C-size VXI chassis, designed and built with ISO-9001 certified Racal Instruments quality. This chassis benefits from Racal Instruments' years of experience as a leading VXIbus chassis manufacturer, with performance features normally found only in high-end, 13-slot chassis.

The 1264C is ideal for portable applications. Available rack ear and slide kits also make this chassis the natural choice for rackmount applications with limited space or budget. Racal Instruments recommends the sister model

1264C/D for rackmount applications requiring an integral cable tray (see *separate datasheet*).

Installed modules are recessed three inches from the front of the chassis, forming a protective area for connectors and cable loops. An optional aluminum front door is available for mounting connectors, small receivers, keyboards, or displays.

The 1264C 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 air 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 cooling air from diverting through unused slots.

# MODEL 1264C SPECIFICATIONS

## ELECTRICAL PERFORMANCE

### Power Supply Input

Standard: 115 VAC ±10%  
Optional: 230 VAC ±10%  
(order Option 71)

### AC Line Frequency

47-63 Hz

### Max Input Power

1000 VA

## VXIbus INTERFACE DATA

### Peak Current and Dynamic Current

	+5V	-5.2V	+12V	-12V	+24V	-24V	-2V
I <sub>MP</sub> (A)	45	30	8	8	4	4	15
I <sub>MD</sub> (A)	5	4	2	2	3	3	3

### DC Power

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

### Periodic and Random Deviations

(PARD)

±24 VDC: 150 mVpk-pk  
All others: 50 mVpk-pk

### Power Supply Protection

Over Voltage  
Over Temperature  
Over Current  
Short Circuit

## SYSTEM MONITORING

### Go/No-Go Status Indicators

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

## MECHANICAL

### Mainframe Size

VXIbus, 6 each C-size slots

### Chassis Weight

Bench Top Model: 27 lbs. (12.3 kg)

### Dimensions

16.75" H X 8.7" W X 21.3" D

## ENVIRONMENTAL DATA

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

### Acoustic Noise

56 dBA

### Temperature Range

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

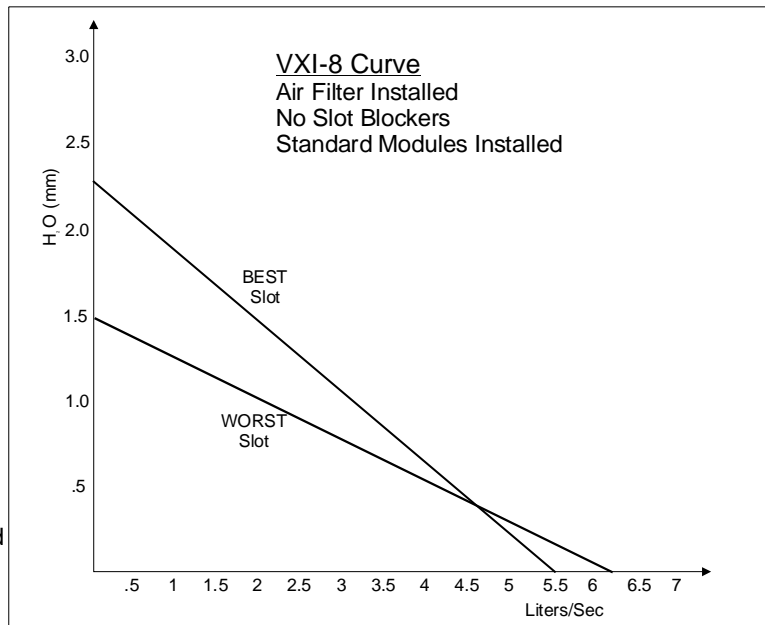
### EMC Compliance

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

### Safety Compliance

EN61010-1, UL 3111-1

**1264C Airflow**  
Airflow curves generated  
using VXI-8 fixture  
and specifications.



ORDERING INFORMATION		
Model	Description	Part Number
1264C	C-Size, 6-Slot VXIbus Mainframe	407647
Option 01	Rack-Mount Kit with Slides	407670
Option 04	Rack-Mount Ears Only	407671
Option 15	Air Filter	407672
Option 23	Aluminum Front Door	407673
Option 51	Backplane Connector Shields	407674
Option 52	Inter-Module Shields (5 each)	407675
Option 71	230 VAC Fuse and Power Cord	407676
456271	Air Flow Blocker	456271
404836	Blanking Plates	404836

**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.

The Racal 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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