



TRI-MAG, Inc.
INTEGRAND DIVISION
 ® *your* POWER Specialists

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735

Industrial Rackmount Disk Drive Chassis, 6 Bays 5 1/4, 2 Buried Bays 3 1/2

FEATURES

- Made in USA
- Modular Design
- Meets EIA RS-310C
- RUGGED, Heavy Gage, Aluminum Construction
- Up to 6 Half Hi 5 1/4 Drives
- Up to Two Shockmounted 3 1/2 Drives, Buried
- All Drive Bays Horizontal
- Excellent Air Flow and Cooling
- THREE Fans Standard
- Intake Air Filters
- Positive Air Pressure Inside Chassis
- 300W Switching Supply, UL, TUV, CE, Field Replaceable
- 115/230 Operation
- Reasonably Priced

OPTIONS / ACCESSORIES

- Black or Off White Paint
- Rackmount Slides
- Drive Bay Cover Plates
- 3 1/2 to 5 1/4 Drive Adapters
- Internal Data Cables for Narrow or Wide SCSI
- Custom Modifications



DESCRIPTION

735 is a high quality, EIA RS-310 compatible, rackmount chassis for mounting up to 8 high performance drives. It provides a rugged, well-cooled enclosure for server, telecom, factory automation and other industrial applications.

735 has two front accessible horizontally oriented bays. Each bay will accept three half hi 5 1/4 drives or one full hi and one half hi 5 1/4 drive. Buried inside the chassis is mounting for two 3 1/2 hard drives.

Drive mounting is simple and sturdy. All drive brackets remove from the chassis for easy system assembly.

Three fans provide cooling. Two 70CFM fans draw air into the chassis through filters. The washable filter elements are removable for cleaning. A third fan exhausts heat generated by the power supply. Air exits the chassis through vents in the sides and the front. The front vents provide airflow across top and bottom of each drive bay to cool the bay and eliminate hot spots. Positive air pressure is maintained in the chassis to reduce dust incursion

735 is powered by a hefty, high quality, 300W switching power supply. The supply is agency recognized and field replaceable.

Supply ratings are +5V@20A and +12V@15A. The +5 and +12 are distributed to 8 drive power connectors through a Power Interface PC Board that also stabilizes the power supply, so no minimum load is required. LED's on the PC board provide visual verification that +5 and +12 are up.

CUSTOMIZING

See inside Back Cover for a Customizing Guide.

2810 Series Connector Panels for the 735 are shown on Page 26.

Accessories for the 735 are shown on Page 39.

If requirements dictate modifications other than those available as library items, we can usually provide low cost solutions. We invite you to contact us.





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SPECIFICATIONS

Input Voltage

90-132 or 180-264VAC,
 47-63Hz, 1Φ, Switch Selected

DC Outputs

See Power Supply Table

DC Output Connectors

8ea, 4 pin AMP Mate-N-Lok

Temperature

10 to 40C Internal Operating
 -20 to 75C Storage

Humidity

20 to 85% RH, Operating,
 Non- Condensing

PS MTBF (MIL-HDBK-217E)

100,000 Hr.

Size

Rackmount:

4U (7")H x 19" Panel x 17.5" D

Weight

23 Pounds, 30 UPS Shipping

Finish

External Surfaces Painted

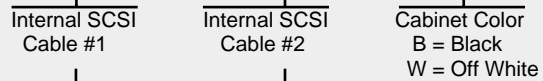
Rack panel textured, other surfaces
 smooth

POWER SUPPLY TABLE

| Input Voltage | DCOUTPUT RATINGS | | PS Approvals |
|---------------|------------------|------|--------------|
| | +5V | +12V | |
| 117/230 VAC | 20A | 15A | UL, CSA, TUV |

ORDERING GUIDE & PRICES

735R - [] - [] - []



- 0 = No Internal Cable
- 4 = 4 Drop, SCSI-1 (Centronics 50)
- 8 = 8 Drop, SCSI-1 (Centronics 50)
- 24 = 4 Drop, Narrow SCSI (HD50)
- 28 = 8 Drop, Narrow SCSI (HD50)
- 34 = 4 Drop, Ultra Wide SCSI (HD68)
- 38 = 8 Drop, Ultra Wide SCSI (HD68)

BASE MODEL

735R-0-0-B

(No Internal Cables)

(Black or Off White same price)

PRICE

\$350

DATA CABLE ADDERS (per cable)

TYPE PRICE

4 = 4 Drop, SCSI-1 \$40

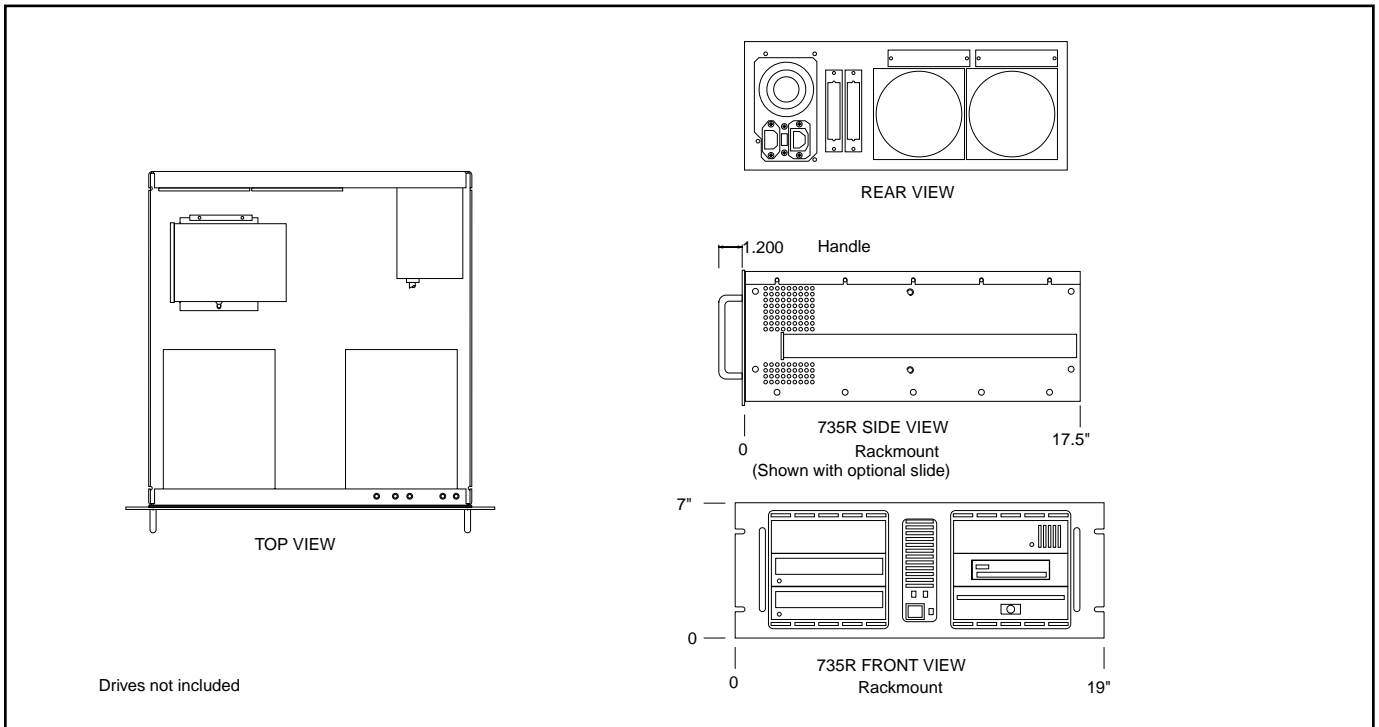
8 = 8 Drop, SCSI-1 \$50

24 = 4 Drop, Narrow SCSI \$75

28 = 8 Drop, Narrow SCSI \$85

34 = 4 Drop, Ultra Wide SCSI \$140

38 = 8 Drop, Ultra Wide SCSI \$165





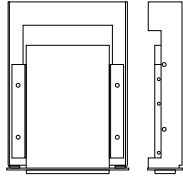
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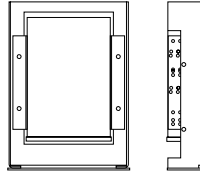
735 - Accessories

DRIVE ADAPTERS

ADAPTS 3 1/2 DRIVES TO 5 1/4 FOOTPRINT



505-335 \$11
 3 1/2 FLOPPY DRIVE ADAPTER
 FITS 25MM (1") HIGH DRIVES



SEE TABLE FOR P/N & PRICE
 3 1/2 HARD DRIVE ADAPTER

| PART NUMBER | ADAPTER TYPE | DRIVE ACTIVITY DRIVE CONNECTOR | PRICE |
|-------------|-----------------|--------------------------------|-------|
| 505-340-1 | NON-SHOCK MOUNT | 0.1" GRID | \$13 |
| 505-340-2 | SHOCK MOUNT | 2MM GRID | |
| 505-345-1 | NON-SHOCK MOUNT | 0.1" GRID | \$19 |
| 505-345-1 | SHOCK MOUNT | 2MM GRID | |

DRIVE COVER PLATES



FRONT VIEW - Half



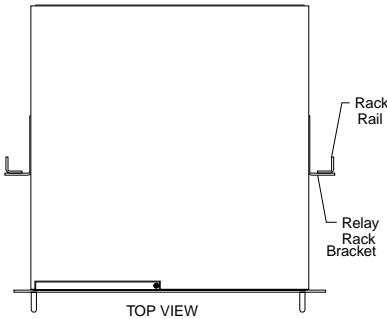
FRONT VIEW - Full Hi

| 5 1/4 HORIZ Mount | | |
|-------------------|---------|-------|
| PART # | SIZE | PRICE |
| 590-450 | HALF HI | \$8 |
| 590-455 | FULL HI | |

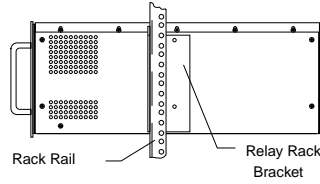
RELAY RACK BRACKETS

Mount rack chassis to "relay rack"
 (Single set of 19" vertical)

590-325 \$10/PR



TOP VIEW

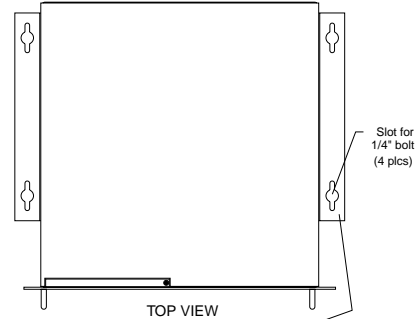


SIDE

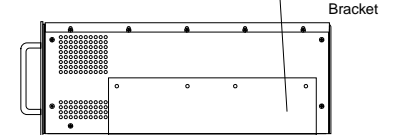
WALL MOUNT BRACKETS

Attach rackmount chassis
 wall or other flat surface

590-320 \$20/PR



TOP VIEW

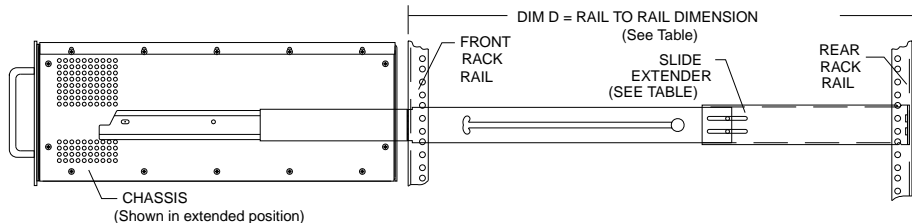


SIDE

SLIDES & EXTENDERS

| EXTENDER TABLE | | |
|----------------|---------|---------|
| DIM D | EXT P/N | PRICE |
| 17.2 TO 24.3 | 590-380 | \$8/PR |
| 24.3 TO 32.3 | 590-382 | \$11/PR |

SLIDE160 \$45/PR
 Slide for 735



CHASSIS
 (Shown in extended position)

Drives not included