

# STORAGE SUPPORT SOLUTIONS

## PDE TECHNOLOGY CORPORATION

PRODUCTION • DESIGN • ENGINEERING



E302



E304



E305

- Provides an external housing solution for removable 3.5" hard disk drives with power, cooling, and interface.
- Turnkey solution includes:
  - Drive Trays
  - Data Cables
  - Drive Mounting Hardware
- Highest quality on the market
  - First Tier Power Supply and Fan
  - PDE is ISO 9001
  - 1 Year Warranty

- Contemporary Design
  - Rear Mounted Power Switch
  - Standard Bezel with Area for Labeling
  - Silver with Black Trays
  - Aluminum Construction
- Custom OEM Options Available
  - Custom Colors
  - Silk Screen
  - Custom Printed Packaging
  - Bulk OEM Pack

- Maximum flexibility  
**Can be configured for:**
  - SCSI
  - Fibre Channel
  - Firewire / 1394
  - USB
  - SATA
  - SAS
- Designed to exceed requirements for 15,000 RPM and LVD Drives

Distributed by:

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**PDE TECHNOLOGY CORPORATION**  
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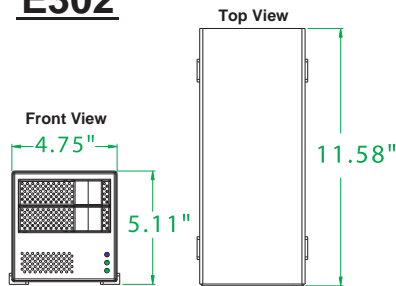
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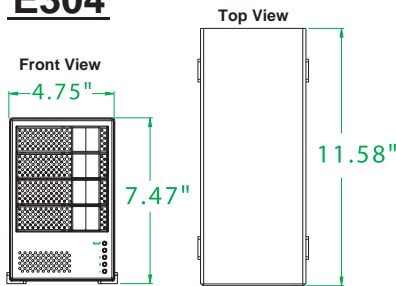
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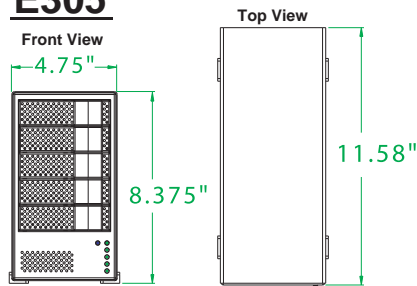
# E302



# E304



# E305



## COOLING SYSTEM

### High Volume Cooling Fan

Dimensions: 60x60x25mm	Sleeve Bearing Construction
Airflow: 18 CFM	Locked Rotor Protection
RPM: 3600	4 Pole DC Motor Design
Power: 1.4 Watts	UL, CSA, TUV Approved

## POWER SYSTEM

65 Watt Auto Sensing Power Supply	100 Watt Auto Sensing Power Supply
SPECS	
Input: 90-260 Vac	Input: 90-264 Vac
65 Watt Auto Sensing Power Supply	100 Watt Auto Sensing Power Supply
MTBF 60K Hrs at Full Load(25°C)	MTBF 50K Hrs at Full Load(25°C)
Protection	
Short Circuit w/ Auto Recovery	Short Circuit w/ Auto Recovery
Over Voltage w/ Auto Recovery	Over Voltage w/ Auto Recovery
UL, TUV Approved	UL, TUV Approved

### 100 Watt Specs

Output Voltage	Load Range		Regulation		Ripple Max	Ripple & Noise
	Min	Max	Min	Max	mV P-P	Max mV P-P
+5.0V	2.0A	12.0A	-5%	+5%	50mV	100mV
+12.0V	0.5A	6.0A	-5%	+5%	100mV	150mV

### 65 Watt Specs

Output Voltage	Min	Max	Tolerance	Ripple Noise	Regulation	
					Line	Load
+5V	0.2A	5.0A	2%	50mV	1%	2%
+12V	0.3A	6.0A	10%	120mV	2%	10%

## PART NUMBERS - 2 REM HDD TOWERS

11-0360 SCSI Wide, 2 x 3.5" SCA Rem HDD'S, 2xHD68 I/O
11-0363 Fibre Channel SL, 2 x 3.5" Removable HDD'S, DB9 I/O
11-0634 Fibre Channel SL, 2 x 3.5" Removable HDD'S, SFP Optical I/O
11-0369 Firewire 800 / 1394 B, 2 x 3.5" Removable ATA Drives IND. VOL
11-0388 Firewire 800 / 1394 B, 2 x 3.5" Removable ATA Drives Striped
11-0429 USB2, 2 x 3.5" Removable ATA HDD'S IND. VOLUMES
11-0504 SATA, 2 x 3.5" SATA Removable HDD'S 2 x eSATA I/O
11-0504-ML SATA, 2 x 3.5" SATA Removable HDD'S, Multilane I/O
11-0427 SAS, 2 X 3.5" SAS Removable HDD'S

## E302 SPECIFICATIONS

Dimensions: W-120.65mm x H-129.79mm x L-294.13mm
Unit Weight: 9 lbs
Quantity per Master Carton: 3
Weight per Master Carton: 36 lbs



## COOLING SYSTEM

### High Volume Cooling Fan

Dimensions: 80x80x25mm	Ball Bearing Construction
Airflow: 33 CFM	Locked Rotor Protection
RPM: 2500	4 Pole DC Motor Design
Power: 1.8 Watts	UL, CSA, TUV, CE Approved

## POWER SYSTEM

200 Watt Auto Sensing Power Supply	
SPECS	
Input: 90-264 Vac	
200 Watt Auto Sensing Power Supply	
MTBF 100K Hours Minimum at 75% Load (25°C)	
Short Circuit Protection with Auto Recovery	
Over Voltage Protection with Auto Recovery	
Over Power Protection Not Exceeding +120%-170% of Full Load	
UL, TUV Approved	

Output Voltage	Load Range		Regulation		Ripple Max	Ripple & Noise
	Min	Max	Min	Max	mV P-P	Max mV P-P
+ 5.0V	2.0A	20.0A	-5%	+5%	50 mV	100 mV
+ 12.0V	0.5A	12.0A	-5%	+5%	100 mV	150 mV

## PART NUMBERS - 4 REM HDD TOWERS

11-0310 SCSI Wide, 4 x 3.5" SCA Removable HDD'S, 2 x HD68 I/O
11-0313 Fibre Channel SL, 4 x 3.5" Removable HDD'S, DB9 I/O
11-0317 Fibre Channel SL, 4 x 3.5" Removable HDD'S, SFP Optical I/O
11-0359 Firewire 800 / 1394 B, 4 x 3.5" Removable ATA Drives IND. VOL
11-0398 Firewire 800 / 1394 B, 4 x 3.5" Removable ATA Drives SPAN
11-0400 Firewire 800 / 1394 B, 4 x 3.5" Removable ATA Drives Striped
11-0430 USB2, 4 x 3.5" Removable ATA Drives IND. VOLUMES
11-0505 SATA, 4 x 3.5" SATA Removable HDD'S 4 x eSATA I/O
11-0505-ML SATA, 4 x 3.5" SATA Removable HDD'S, Multilane I/O
11-0428 SAS, 4 x 3.5" SAS Removable HDD'S, Multilane I/O

## E304 SPECIFICATIONS

Dimensions: W-120.65mm x H-189.74mm x L-294.13mm
Unit Weight: 11 lbs
Quantity per Master Carton: 3
Weight per Master Carton: 40 lbs



## COOLING SYSTEM

### High Volume Cooling Fan

Dimensions: 80x80x25mm	Ball Bearing Construction
Airflow: 33 CFM	Locked Rotor Protection
RPM: 2500	4 Pole DC Motor Design
Power: 1.8 Watts	UL, CSA, TUV, CE Approved

## POWER SYSTEM

250 Watt Auto Sensing Power Supply	
SPECS	
Input: 90-264 Vac	
250 Watt Auto Sensing Power Supply	
MTBF 100K Hours Minimum at 75% Load (25°C)	
Short Circuit Protection with Auto Recovery	
Over Voltage Protection with Auto Recovery	
Over Power Protection Not Exceeding +120%-170% of Full Load	
UL, TUV Approved	

Output Voltage	Load Range		Regulation		Ripple Max	Ripple & Noise
	Min	Max	Min	Max	mV P-P	Max mV P-P
+ 5.0V	2.0A	25.0A	-5%	+5%	50 mV	100 mV
+ 12.0V	0.5A	16.0A	-5%	+5%	100 mV	150 mV

## PART NUMBERS - 5 REM HDD TOWERS

11-0404 SCSI Wide, 5 x 3.5" SCA Removable HDD'S, 2 x HD68 I/O
11-0406 Fibre Channel SL, 5 x 3.5" Removable HDD'S, DB9 I/O
11-0558 SATA, 5 x 3.5" SATA Removable HDD'S / Port Multiplier

## E305 SPECIFICATIONS

Dimensions: W-120.65mm x H-212.73mm x L-294.13mm
Unit Weight: 12 lbs
Quantity per Master Carton: 3
Weight per Master Carton: 44 lbs



## TESTING PROCEDURE

Hi Pot • Ground • Voltage • Cosmetic • Electrical • Continuity • Functionality • Mechanical • Cooling System • Power Supply w/ Load

## SPARE PARTS AND/OR OPTIONS

Power Supply: 25-1067	68 pin LVD mm terminator: 14-1025	Ext cable SATA2 - SATA2 1M: 29-1145	Ext cable multilane SATA 2M: 29-1204	3' external cable HD68m-HD50m: 29-0095
Fan: 25-1014	Ext cable SATA1 - SATA2 1M: 29-1143	Ext cable SATA2 - SATA2 2M: 29-1146	3' external cable HD68m-HD68m: 29-0029	Spare HDD Tray: 14-1281-04
68 pin active terminator: 14-1041	Ext cable SATA1 - SATA2 2M: 29-1144	Ext cable multilane SATA 1M: 29-1203	3' external cable HD68m-UHDCI68m: 29-0098	

Note ATA units are for Seagate or Hitachi only. WD and/or Maxtor may require different part number.  
 \*Specs subject to change without notice