

EMC Disk Library 3D 1500 and 3D 3000



DL3D 1500



DL3D 3000

The EMC® Disk Library 3D 1500 and 3D 3000 are LAN backup-to-disk libraries with target-based data de-duplication. Based on the EMC CLARiiON® CX3-10 (DL3D 1500) and CX3-40 (DL3D 3000) platforms, these models offer customers an affordable price point, policy-based de-duplication, five-nines storage availability, and IP or SAN (VTL) connectivity flexibility—offering an attractive tape replacement option for midsize business environments

Disk Library Connectivity

	DL3D 1500	DL3D 3000
Front-End NAS Ports	6*	8*
Front-End FC Ports (VTL)	2**	4**
Replication Ports	6*	8*

Notes:

*Replication ports same as NAS ports

**All 400 MB/s FC ports

**One port less for Direct to Tape

Disk Drives	1 TB
Formatted Capacity	931.51 GB
Form Factor	3.5"
Height	1.0"
Rotational Speed	7,200 RPM
Interface	SATA
Data Buffer	32 MB

Transfer Rates

Buffer to/from Media	42–85 MB/s	
SP to/from Buffer	300 MB/s	
Average Seek	8.2 ms Read	9.2 ms Write
Rotational Latency	4.17 ms	

Base System Configurations*

Components that make up the minimum DL3D base configurations

DL3D 1500 Base Configuration

DL Engine—2u Intel server
DL3D Controller—Storage processor
Base DAE with drives—4 TB useable

DL3D 3000 Base Configuration

DL Engine—2u Intel server
DL3D Controller—Storage processor
DL3D 3000 Vault—Controller storage
Base DAE w/ drives—8 TB useable

All specifications for the DL3D base systems are the sum of these components.

Dimensions (approximate)

Model Solutions (minimum configs)

	EIA Units	Height (in.)	Width (in.)	Depth (in.)	Weight (lbs)
DL3D 1500 Base	7	3.29	18.92	31.58	198
DL3D 3000 Base	10	3.5	18.92	24	294.9
DL3D 1500 DAE	3	5.25	17.72	14	68
DL3D 3000 DAE	3	5.25	17.72	14	68
RACK-40U-60	n/a	75	24	39	380
DL3D 1TB 6PK	n/a	n/a	n/a	n/a	15

Power

	DL3D 1500 Base	DL3D 3000 Base	DL3D 1500 DAE	DL3D 3000 DAE	DL3D 1 TB 6-Pack
Frequency	47-63 Hz	47-63 Hz	47-63 Hz	47-63 Hz	47-63 Hz
AC Voltage	200-240 VAC +/- 10% single phase				
Power Consumption Watts (maximum)	803	1,321	103	83	120
Power Consumption Watts (typical)	684	1,112	88	71	102
Heat Dissipation BTU/hr (typical)	2,958	4,935	568	500	348
Heat Dissipation BTU/hr (typical)	2,494	4,095	458	400	410

AC Power Capability

40U Cabinet	
AC Voltage	200-240 VAC +/- 10%
Frequency	47-63 Hz
Power Configuration	Two power domains (base and extended), each redundant
Power Inlet Count	Two plug for base model, 4 plugs for extended configuration
Plug Type	NEMA L6-30P or IEC309-332 P6 or IP57 (Australia)
Input Power Capacity	4,800 VA @200 VAC, 5,760 VA @240 VAC (w/two plugs) 9,600 VA @200 VAC, 11,520 VA @240 VAC (w/four plugs)**
AC Protection	20A circuit breakers internally on each power branch

Operating Environment

Temperature	50-104 degrees F (10-40 degree C)
Temperature Gradient	10 degrees C/hr
Relative Humidity	20% to 80% (non-condensing)
Altitude	8,000 ft. (2,438.4 m) @ 104 degrees F(40 degrees C) max. 10,000 ft. (3,048 m) @ 98.6 degrees F(37 degrees C) max.

Electromagnetic Emissions and Immunity

FCC Class A	
EN55022 Class A	
CE Mark	European EMC Directive and Low Voltage Directive Requirements
VCCI Class AA (Japan)	
ICES-003 Class A (Canada)	
AZ/NZS, CISPR22, Class A (Australia/New Zealand)	
EN55024 Immunity, ITE	
BSMI Class A (Taiwan)	
MIC (Korea)	
UL 60950-1	Safety of Information Technology Equipment including Electrical Business Equipment
CSA 60950-1	
IEC 60950-1	
EN 60950-1	



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