

EMC Disk Library

Specifications

Disk Library Connectivity

	DL4100	DL4200	DL4400
Front-end Ports	4	8	8
Back-end Ports	4	8	8
Replicaton Ports	4	8	8

Notes: The back-end ports may be configured, if desired, as front-end ports.
Multiple RAID groups are distributed across redundant loops to maximize bandwidth to disks.
All 400 MB/s FC ports.
Failover from each storage processor to both Fibre Channel loops is possible.

Drive Interface

Disk Drives	146 GB (15,000)	500 GB (7,200)
Formatted Capacity (520 bytes/sector)	135 GB	465 GB
Form Factor	3.5"	3.5"
Height	1.0"	1.0"
Rotational Speed	15,000 rpm	7,200 rpm
Interface	Fibre Channel	SATA/Fibre Channel
Data Buffer	32 MB	16 MB

Transfer rates		
Buffer to/from Media	Max. 93 MB/s	31-64 MB/s
SP to/from Buffer	400 MB/s	300 MB/s
Average Seek	3.7 ms Read 4.2 ms Write	8.2 ms Read 9.2 ms Write
Rotational Latency	2 ms	4.17 ms

DIMENSIONS (approximate)*

Model	EIA Units	Height (inches)	Width (inches)	Depth (inches)	Weight (lbs)
DL4100	17	29.75	18.98	28.05	426
DL4200	22	38.5	18.98	28.05	481
DL4400	34	59.5	18.98	28.05	852
DL-500S-DAE	3	5.25	17.72	14	68
RACK-40U-60		75	24	36	380

Model	Height (cm)	Width (cm)	Depth (cm)	Weight (kg)
DL4100	75.65	48.26	71.33	193.6
DL4200	97.90	48.26	71.33	218.6
DL4400	151.30	48.26	71.33	387.3
DL-500S-DAE	13.33	45.00	35.60	30.9
RACK-40U-60	190.80	61.10	91.60	172.7



Power

	DL4100	DL4200	DL4400	Add on DAE-ATA
Frequency	47-63 Hz	47-63 Hz	47-63 Hz	47-63 Hz
AC Voltage		200-240 VAC +/- 10% single phase		
Power Factor (typical)	0.98	0.98	0.98	0.98
Power Consumption Watts (maximum)	2,000	2,630	4,010	325
Power Consumption Watts (typical)	1,450	1,950	2,890	300
Heat Dissipation BTU/hr (maximum)	6,830	8,980	13,690	1,110
Heat Dissipation BTU/hr (typical)	4,950	6,660	9,870	1,020

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 plugs per cabinet
Plug Type	NEMA L6-30P or IEC309-332 P6 or IP57 (Australia)
Input Power Capacity	4,800VA @200VAC, 5,760VA @240VAC (w/two plugs) 9,600VA @200VAC, 11,520VA @240VAC (w/four plugs)
AC Protections	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. (2438.4 m) @ 104 degrees F(40 degreesC) max. 10,000 ft. (3048 m) @ 98.6 degrees F(37 degrees C) max.

Electromagnetic Emissions and Immunity

FCC Class A
EN55022 Class A
CE Mark
VCCI Class AA (for Japan)
ICES-003 Class A (for Canada)
AZ/NZS, CISPR22, Class A (for Australia/New Zealand)
EN55024 Immunity, ITE
BSMI Class A (for Taiwan)
MIC (Korea)

Safety

UL 60950; CSA C22.2-60950; IEC 60950, TUV, GOST, IRAM

Quality Standard

Manufactured under an ISO 9000-registered quality system



EMC Corporation
Hopkinton
Massachusetts
01748-9103
1-508-435-1000
In North America 1-866-464-7381

EMC², EMC, CLARiiON, and where information lives are registered trademarks of EMC Corporation. Other trademarks are the property of their respective owners.

© Copyright 2003, 2005 EMC Corporation. All rights reserved. Published in the USA. 11/06

Specification Sheet
H1096.4

*The data associated with each EMC Disk Library model in the Dimensions and Power tables includes the Disk Library engine and associated CLARiiON CX series array. To determine the correct weight, rack space, power consumption, and heat dissipation, each of those values must be increased based on the number of ATA disk expansion chassis included in the configuration.