

PRIME PERIPHERALS SUMMARY

Storage Module Subsystem Specifications

	300Mb	80Mb	40Mb	12Mb Moving Head	Diskette
Bytes Per Disk	292.7M	77.0M	38.4M	11.6M	267.5K
Bytes Per Sector	2,080	2,080	2,080	896	880
Sectors Per Track	9	9	9	8	4
Tracks Per Drive	15,637	4,115	2,055	1,624	76
Cylinders Per Drive	823	823	411	406	76
Average Latency Time (MS)	8.3	8.3	8.3	12.5	83
Minimum Seek Time (MS)	6	6	6	8	20
Average Seek Time (MS)	30	30	30	38	390
Maximum Seek Time (MS)	55	55	55	70	770
Transfer Rate (Bytes/Sec.)	1.2M	1.2M	1.2M	325K	31.2K
Height	36 in. 91.4 cm	34 in. 86.3 cm	34 in. 86.3 cm	10.3 in. 26.2 cm	12.2 in. 30.9 cm
Width	23 in. 58.4 cm	19 in. 48.2 cm	19 in. 48.2 cm	19 in. 48.2 cm	19 in. 48.2 cm
Depth	36 in. 91.4 cm	34 in. 86.3 cm	34 in. 86.3 cm	28.5 in. 72.4 cm	20 in. 50.8 cm
Weight	550 lbs. 247.5 kg.	243 lbs. 109.3 kg.	243 lbs. 109.3 kg.	130 lbs. 58.5 kg.	50 lbs. 22.5 kg.
60Hz Start Current	39 Amp. 208 Vac.	30 Amp. 120 Vac.	30 Amp. 120 Vac.	12 Amp. 115 Vac.	14 Amp. 115 Vac.
60Hz Run Current	8.0 Amp. 208 Vac.	8.2 Amp. 120 Vac.	8.2 Amp. 120 Vac.	2.5 Amp. 115 Vac.	4 Amp. 115 Vac.
50Hz Start Current	39 Amp. 220 Vac.	22 Amp. 220 Vac.	22 Amp. 220 Vac.	7 Amp. 220 Vac.	7 Amp. 220 Vac.
50Hz Run Current	9.5 Amp. 220 Vac.	4.9 Amp. 220 Vac.	4.9 Amp. 220 Vac.	1.5 Amp. 220 Vac.	2 Amp. 220 Vac.
Operating Temperature	60-90°F 15.5-32.2°C	60-90°F 15.5-32.2°C	60-90°F 15.5-32.2°C	60-90°F 15.5-32.2°C	60-100°F 15.5-37.7°C
Operating Humidity (non-condensing)	20-80%	20-80%	20-80%	20-80%	20-80%
BTU/Hr.	4550	2390	2390	1700	1600
KVA Rating	1.23	0.70	0.70	.3	0.46

Magnetic Tape Subsystem Specifications

	Standard Performance Subsystem		High Performance Subsystem			
Drive Speeds Forward Rewind (nominal)	45 ips (114 cm/sec) 200 ips (508 cm/sec)		45 ips (114 cm/sec) 200 ips (508 cm/sec)		75 ips (190 cm/sec) 200 ips (508 cm/sec)	
Tape Handling	Auto-retracting buffer arms		Auto-retracting buffer arms		Vacuum Column	
Altitude	0-20,000 ft. (0-6561 m)		0-20,000 ft. (0-6561 m)		0-4000 ft. (0-1219 m)	
Tape Reel Size	Up to 10½ inches (26 cm)		Up to 10½ inches (26 cm)		Up to 10½ inches (26 cm)	
Recording Format (tracks) Mode	7 NRZI	9 NRZI	7 NRZI	9 NRZI	9 PE	9 NRZI/ PE
					9 NRZI	9 NRZI/ PE

Magnetic Tape Subsystem Specifications (Continued)

	Standard Performance Subsystem		High Performance Subsystem					
	556/800	800	556/800	800	1600	800/1600	800	800/1600
Density (bpi)	556/800	800	556/800	800	1600	800/1600	800	800/1600
Available as 1st drive	Yes	Yes	No	No	No	Yes	No	Yes
Available as 2nd, 3rd or 4th drive	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Height	63.5 in. 161.2 cm		63.5 in. 161.2 cm					
Width	27.2 in. 69.0 cm		27.2 in. 69.0 cm					
Depth	42 in. 106.6 cm		42 in. 106.6 cm					
Weight	365 lbs. 164.2 kg.		435 lbs. 195.7 kg.					
Power 60Hz	120 Vac.		120 Vac.					
Power 50Hz	230 Vac.		230 Vac.					
Operating Temperature	60-90°F 15.5-32.2°C		60-90°F 15.5-32.2°C					
Operating Humidity (non-condensing)	30-80%		30-80%					
BTU/Hour	1025		2900					

Unit Record Device Specifications

	Matrix Printer	Chain Printer		Band Printer
Speed (lpm)				
64 Characters	200	300	600	1220
96 Characters	125	200	430	905
Print Positions	132	132	132	132
Characters per inch	10	10	10	10
Lines per inch	6	6	6	6 or 8
Paper Specifications				
Width (inches)	4 to 14.875	3.5 to 19.5	3.5 to 19.5	5 to 18.75
Number of copies	Original plus 5	Original plus 5	Original plus 5	Original plus 5
Vertical Forms Control	2 channel	8 channel	8 channel	12 channel
Static Eliminator	NA	Yes	Yes	Yes
Self Test	NA	Yes	Yes	Yes
Height	39.5 in. 100.3 cm	42.0 in. 106.0 cm		46.0 in. 116.8 cm
Width	28.0 in. 71.1 cm	36.5 in. 92.7 cm		48.5 in. 123.1 cm
Depth	24.5 in. 62.2 cm	32.0 in. 81.2 cm		24.5 in. 62.2 cm
Weight	150 lbs. 67.5 kg.	570 lbs. 256.5 kg.		800 lbs. 360 kg.
Power 60Hz	115 Vac.	115 Vac.		230 Vac.
Power 50Hz	230 Vac.	230 Vac.		230 Vac.
Operating Temperature	50-105°F 10-40.5°C	40-95°F 4.4-35°C		50-110°F 10-37.7°C
Operating Humidity (non-condensing)	5-95%	40-80%		10-90%
BTU/Hour	2700	2700		11150
KVA	0.80	0.80		3.30

Unit Record Device Specifications

	Card Reader	Card Reader/ Punch
Speed (cpm)		
Read	300	300
Punch	-	50-200
Capacity		
Hopper	550	1000
Stacker	550	850
Reject	-	100
Card Mechanism	Vacuum Picker	Vacuum Picker
Card Type	80 Column	80 Column
Print Station	-	Single line
Height	11.0 in. 27.9 cm	41 in. 104.1 cm
Width	19.2 in. 48.8 cm	44.0 in. 111.7 cm
Depth	14.0 in. 35.5 cm	28.0 in. 71.1 cm
Weight	60 lbs. 27 kg.	570 lbs. 256.5 kg.
Power 60Hz	115 Vac.	230 Vac.
Power 50Hz	230 Vac.	230 Vac.
Operating Temperature	50-100°F 10-37.7°C	50-100°F 10-37.7°C
Operating Humidity (non-condensing)	40-80%	30-90%
BTU/Hour	2025	6400
KVA Rating	0.60	1.90

Paper Tape Reader And Reader/Punch Specifications

	Reader	Reader/Punch
Peak Speed	200cps	200cps Read 75cps Punch
Reading Direction	Bidirectional, under program control	Bidirectional, under program control
Drive Mechanism	Stepper motor and sprocket wheel	Stepper motor and sprocket wheel
Reading Method	Photoelectric	Photoelectric
Height	7 in. 17.7 cm.	10.5 in. 26.6 cm.
Width	19 in. 48.2 cm.	19 in. 48.2 cm.
Depth	6 in. 15.2 cm.	12 in. 30.4 cm.
Weight	15 lbs. 6.7 kg.	47.5 lbs. 21.3 kg.
Power 60Hz	115 Vac.	115 Vac.
Power 50Hz	220 Vac.	220 Vac.
Operating Temperature	41-131 °F 5-55 °C	41-131 °F 5-55 °C
Operating Humidity (non-condensing)	10-90%	10-90%
BTU/Hour	390	800
KVA Rating	0.11	0.23
Operating Humidity (non-condensing)	10-95%	10-95%
BTU/Hour	2400	2400
KVA Rating	0.70	0.70

Electrostatic Printer/Plotter Operational Specifications

Typeface	Low Density Plot Gothic	High Density Plot courier
Resolution, Dots/Inch Vertical and Horizontal	100	200
Writing Head Configuration	dual array	dual array
Total Writing Nibs	1024	2112
Font, Dot Matrix	7 x 9	16 x 16
Characters Per Inch	12.5	12.5
Columns Per Line	132	132
Printed Lines Per Fan-fold Page (Min/factor Setting/max)	1/54/61	1/64/61
Printer Lines Per Inch (Factory Setting)	6.6	8.0
Plot Width, Inches	10.24	10.56
ASC11 Character Set	96	96
Speed Asynchronous	1000 lpm (printer) 1.2 ips (plotter)	1000 lpm (printer) 1.0 ips (plotter)
Simultaneous Print/Plot	standard	standard
Height	38 in. 96.5 cm	38 in. 96.5 cm
Width	19 in. 48.2 cm	19 in. 48.2 cm
Depth	18 in. 45.7 cm	18 in. 45.7 cm
Weight	160 lbs. 72 kg.	160 lbs. 72 kg.
Power 60Hz	115 Vac.	115 Vac.
Power 50Hz	230 Vac.	230 Vac.
Operating Temperature	32-105°F 0-40.5°C	32-105°F 0-40.5°C

PRIME

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