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Macintosh SE: Specifications (Discontinued 10/90)

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TOPIC -----

Following are the specifications for the Macintosh SE (2 floppies) and the Macintosh SE hard disk 20MB and 40MB (1 floppy, one 20 or 40 megabyte hard disk).

DISCUSSION -----

PROCESSOR

-MC68000, 32-bit internal architecture, 7.8336 MHz clock frequency

MEMORY

-256K ROM, 1 MB RAM (expandable to 4MB), 256 bytes of user-settable parameter memory

DISKS

- Capacity: 800K on double-sided 3.5-inch disks; 20MB (20.2 actual) or 40MB (42.1 actual) on optional 3-1/2" hard disk
- Bytes per block (20MB or 40MB hard disk): 512
- Total disk blocks:
 - 20MB hard disk: 39,360
 - 40MB hard disk: 82,150
- Avg. access time:
 - 20MB hard disk: 89 msec
 - floppy: 36 msec
- Avg. seek time:
 - 20MB hard disk: 65 msec
 - 40MB hard disk: 30 msec
- Transfer rate, max.:
 - 20MB hard disk: 1.25MB per second
 - 40MB hard disk: 1.25MB per second
 - floppy: 500K-bits per second
- Shock limit:
 - 20MB hard disk: 40 G's
- Noise level:
 - 20MB hard disk: 42 decibels-measured at seated operating distance

SCREEN

- 9-inch diagonal, 512-pixel by 342-pixel high-resolution bit-mapped display

INTERFACES

- Two Apple DeskTop Bus connectors
- Two RS-232/RS-422 serial ports
- SCSI interface
- External disk port
- Sound port for external audio
- 96-pin expansion connector (CPU bus connector)

SOUND

- 4-voice sound with 8-bit digital-analog conversion using 22 KHz sample rate

KEYBOARD

- Apple Keyboard (or Apple Extended Keyboard)

MOUSE

- Mechanical tracking, optical shaft encoding 90 pulses per inch (3.54 pulses per mm) of travel

CLOCK/CALENDAR

- CMOS custom chip with 7-year lithium battery

FAN

- 0 CFM Cross Flow

ELECTRICAL SPECIFICATIONS

- Input line voltage: 120/240 Volts AC, RMS
- Frequency: 47 to 63 Hz
- Power: 100 Watts maximum

SIZE AND WEIGHT

	Weight	Height	Width	Depth
Main Unit	17-22 lbs* 7.7-9.5 kg*	13.6 in 345 mm	9.69 in 244 mm	10.9 in 276 mm
Apple Keyboard	2 lbs 4 oz 1.0 kg	1.75 in 44.5 mm	16.5 in 418.3 mm	5.6 in 142 mm
Mouse	6 oz .17 kg	1.1 in 27.9 mm	2.1 in 53.3 mm	3.8 in 96.5 mm

* Weight varies depending on optional installed hard disk or second 3.5-inch drive.

ENVIRONMENTAL REQUIREMENTS

- Operating temperature: 50 deg F to 104 deg F (10 deg C to 40 deg C)
- Storage temperature: -40 deg F to 116.6 deg F
(-40 deg C to +47 deg C)

- Relative humidity: 5% to 95% (noncondensing)
- Altitude: 0 to 10,000 ft (0 to 3048 m)

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