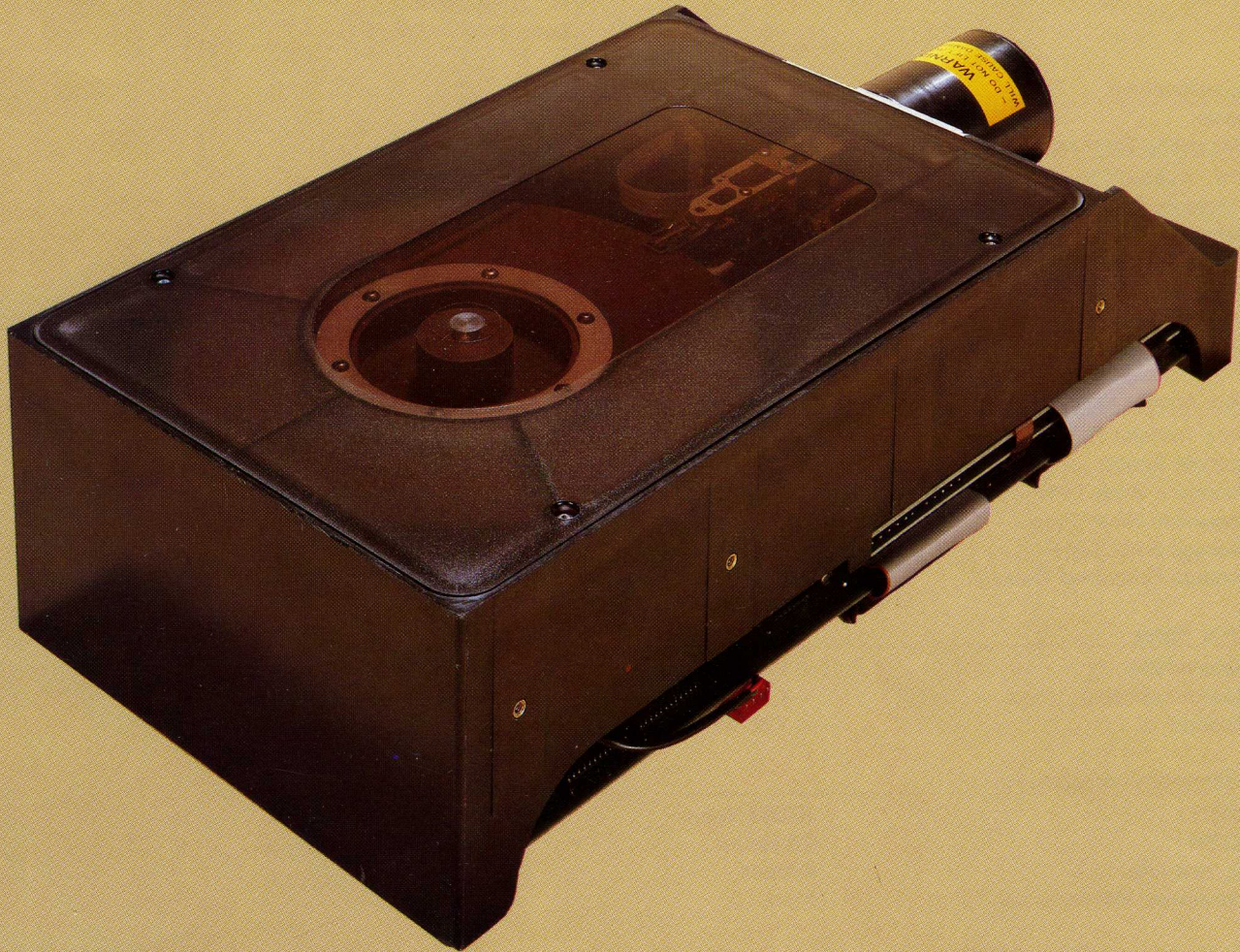


## Series 6170 Disk Drives



The 6170 Series consists of two products having capacities of 24.5 and 40.9 megabytes. These eight inch media disk drives combine proven Winchester technology for compact size and reliability with a voice coil driven linear actuator for very high performance.

The linear motor and brushless D.C. spindle motors are located outside of the sealed head/disk assembly to avoid inducing heat into the HDA thereby improving reliability and extending component life.

### Key Features

- Low cost. Unmatched performance for the price
- Closed-loop servo system for precise head positioning without regard to temperature
- D.C. only power requirement eliminates belts and pulleys and concern for international applications
- Linear actuator eliminates the skew problems associated with rotary positioners making data recovery more reliable
- 3 board functionalized electronics eases troubleshooting and reduces spare parts costs
- Interface options allow the OEM to select between SMD, ANSI or our inexpensive Disk Bus.
- Dedicated head landing zones and actuator shipping lock to safe guard data.



# KENNEDY

An Allegheny International Company

## CORPORATE HEADQUARTERS

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 (213) 357-8831  
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 TWX 910-585-3249

## EUROPEAN HEADQUARTERS

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## KENNEDY INTERNATIONAL

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 Telex: 847871 KENUKS G

## EASTERN REGIONAL OFFICE

350 Vanderbilt Motor Parkway  
 Hauppauge, N.Y. 11787  
 Tel: (516) 231-6063  
 Telex: 510-227-6145

### Specifications

Model	6172	6173
<b>Recording Characteristics</b>		
Unformatted Capacity (MB)	24.58	40.97
Cylinders (incl. spares)	614	614
Bytes per track	13,344	13,344
Recording Density (BPI)	6542	6542
Track Density (TPI)	500	500
Data Surfaces	3	5
Encoding Method	MFM	MFM
<b>Data Access Characteristics</b>		
Data Transfer Rate	800 KB/Sec	
Spindle Speed	3600 RPM	
Minimum Seek Time	8 ms	
Maximum Seek Time	80 ms	
Average Seek Time	40 ms	
Average Rotational Delay	8.3 ms	
<b>Error Rates</b>		
Recoverable	< 1 in 10 <sup>10</sup> bits	
Non-recoverable	< 1 in 10 <sup>12</sup> bits	
Position	< 1 in 10 <sup>6</sup> seeks	
<b>Reliability Characteristics</b>		
MTBF	10,000 Hours	
MTTR	0.5 Hours	
Service Life	5 Years	
Preventive Maintenance	None	
<b>Environmental Characteristics</b>		
Operating Temperature	50° to 113°F (10° to 45°C)	
Humidity	10% to 80% non-condensing	
Altitude	Up to 10,000 feet	
<b>Power Requirements (DC only)</b>		
+5 Volts, -5 Volts, ±5%	5.0 Amp. Max.	
+12 Volts, -12 Volts, ±5%	0.5 Amp. Max.	
+24 Volts ±10%	5.0 Amp. Max.	
Power Dissipation	80 Watts Max.	
<b>Physical Characteristics</b>		
Height	5.10 inches (13.0 cm)	
Width	9.0 inches (22.8 cm)	
Depth	18.0 inches (45.7 cm)	
Weight	27 Pound (12.25 Kg.)	

FACTORY AUTHORIZED REPRESENTATIVE

Specifications are subject to change without notice.