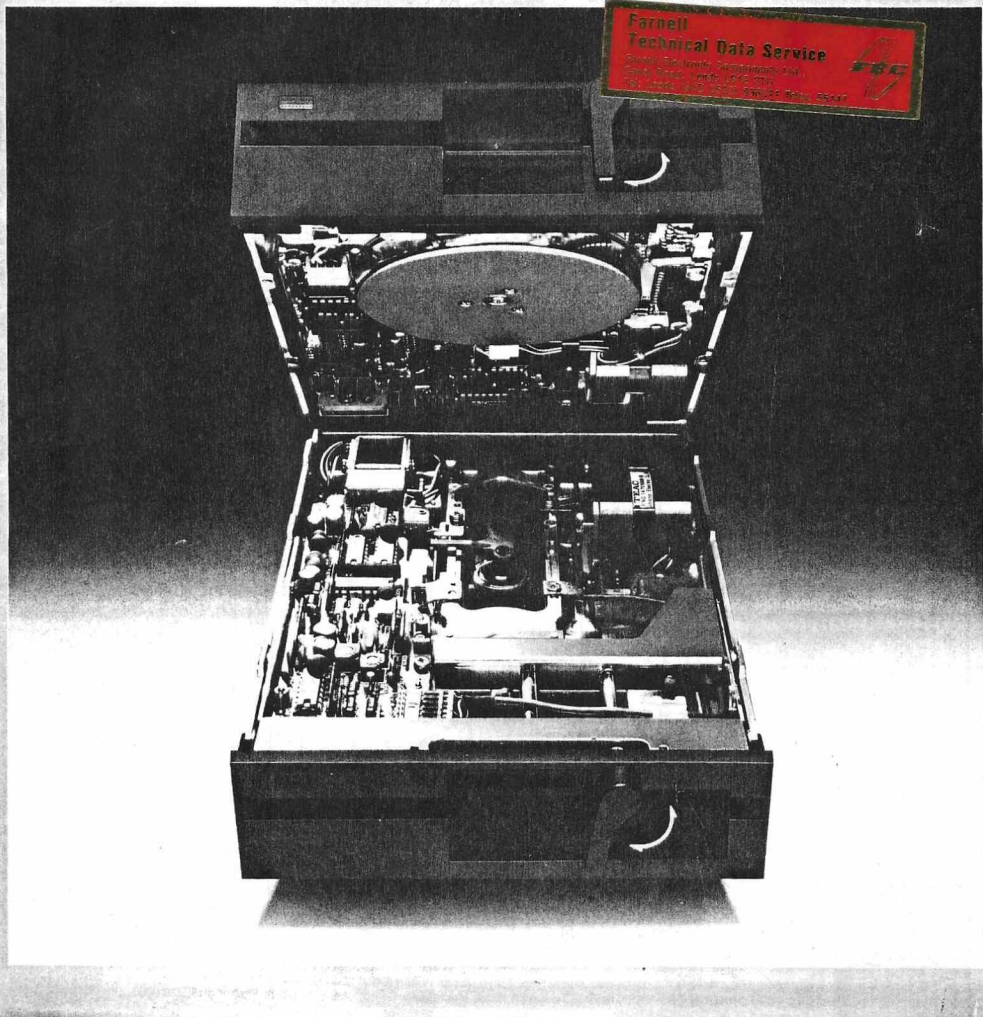


TEAC[®]
5-1/4 inch
FLOPPY
DISK DRIVE

FD-55 Series

- New slim-type 5-1/4" floppy disk drives are half the height of conventional drives
- Low 5-watt power consumption means extra-low heat generation
- Perfect for today's extra-compact equipment designs
- Format of each model in the series is compatible with corresponding model in TEAC FD-50 series
- Brushless DC direct drive motor for high reliability and low noise • Fast data access



PECIFICATIONS

Recording Method:

FM (single density), MFM (double density)

Motor Starting Time: 400 ms

Index: 1

MTBF: more than 10,000 hours

Error Rates

Soft Errors: 1 per 10⁹ bits (up to 2 retries)

Hard Errors: 1 per 10¹² bits

Seek Errors: 1 per 10⁶ seeks

Temperature

Operating: 4°—46°C

Transportation: —40°—65°C

Storage: —22°—60°C

Relative Humidity

Operating: 20—80% (noncondensing)

Max. Wet Bulb Temperature: 29°C

Transportation: 5—95% (noncondensing)

Max. Wet Bulb Temperature: 45°C

Storage: 10—90% (noncondensing)

Max. Wet Bulb Temperature: 40°C

Power Requirements

DC + 12 V ± 5% 0.25 A Typ., 0.9 A max.

DC + 5 V ± 5% 0.38 A typ., 0.6 A max.

Power Consumption

Operating: 4.9 W

Non-Operating: 1.6 W

Dimensions

(W × H × D): 146 × 41 × 203 mm

(5-3/4" × 1-5/8" × 8")

Weight: less than 1.5 kg (3 lbs. 5 oz.)

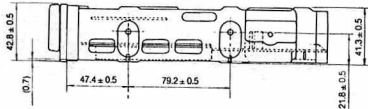
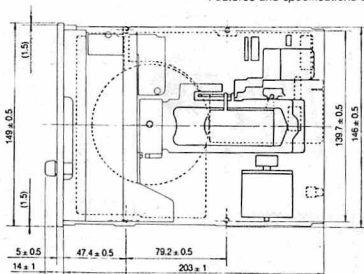
Component Life: 5 years

Safety Standard: Complying with UL and CSA

		FD-55A		FD-55B		FD-55E		FD-55F		FD-55G			
		FM	MFM	FM	MFM	FM	MFM	FM	MFM	FM	MFM		
Transfer Rate (K bits/sec)		125	250	125	250	125	250	125	250	250	500		
Capacity (K bytes)	Unformatted	Per Track	3.125	6.25	3.125	6.25	3.125	6.25	3.125	6.25	5.028	10.416	
		Per Disk	125	250	250	500	250	500	500	1,000	802	1,604	
	Formatted (16 sectors/ track)*	Per Sector	0.128	0.256	0.128	0.256	0.128	0.256	0.128	0.256	0.256	0.512	
		Per Track	2.048	4.096	2.048	4.096	2.048	4.096	2.048	4.098	3.840	7.680	
	Per Disk	81.92	163.84	163.84	327.68	163.84	327.68	327.68	655.36	591	1,183		
Inside Track Recording Density (bpi)		2768	5536	2938	5876	2788	5576	2961	5922	4823	9646		
Inside Track Flux Density (frpi)		5536		5876		5576		5922		9646			
Tracks/Disk		40		80		80		160		154			
Track Density (tpi)		48				96							
Track Radius (mm)	Outside	57.150		side 0 : 57.150 1 : 55.033		57.150		side 0 : 57.150 1 : 55.033					
	Inside	36.513		side 0 : 36.513 1 : 34.396		36.248		side 0 : 36.248 1 : 34.131		side 0 : 37.042 1 : 34.925			
Average Access Time (ms)		93				94				91			
Track Access Time (ms)		6								3			
Settling Time (ms)						15							
Disk Rotational Speed (rpm)						300							

*FD-55G: 15 sectors/track

Features and specifications are subject to change without notice.



(Unit: mm)

TEAC

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