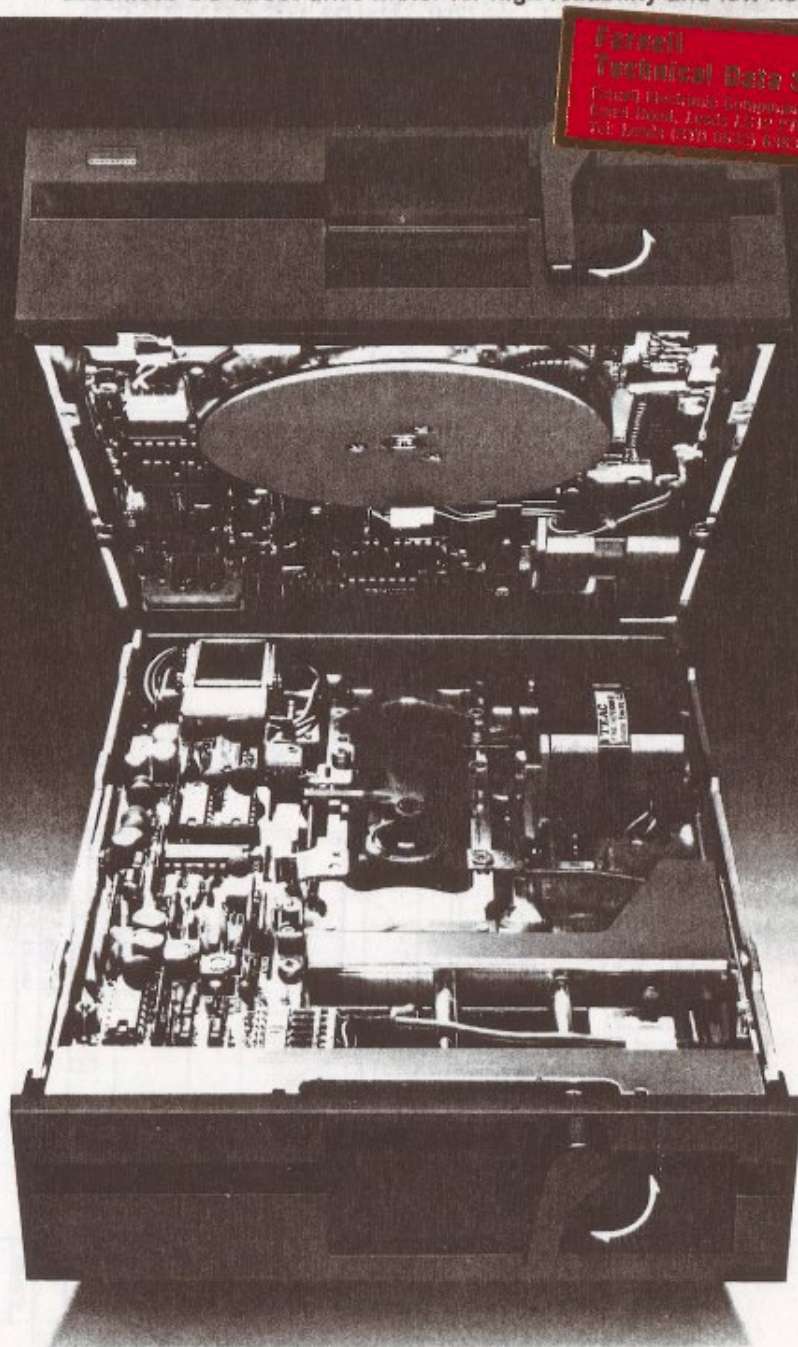


TEAC®
5-1/4 inch
FLOPPY
DISK DRIVE

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



Farnell
Technical Data Service
TEAC Floppy Disk Drives Ltd.,
Unit 2001, Level 2, 2100 Hwy
101, North York, Ontario M2H 3P2, Canada



TEAC

SPECIFICATIONS

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 10^9 bits (up to 2 retries)

Hard Errors: 1 per 10^{12} bits

Seek Errors: 1 per 10^6 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 $\pm 5\%$ 0.25 A Typ., 0.9 A max.

DC + 5 V $\pm 5\%$ 0.38 A typ., 0.6 A max.

Power Consumption

Operating: 4.9 W

Non-Operating: 1.6 W

Dimensions

(W $\times$ H $\times$ D): $146 \times 41 \times 203$ mm

($5\frac{3}{4}$ " $\times$ $1\frac{5}{8}$ " $\times$ 8")

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

Component Life: 5 years

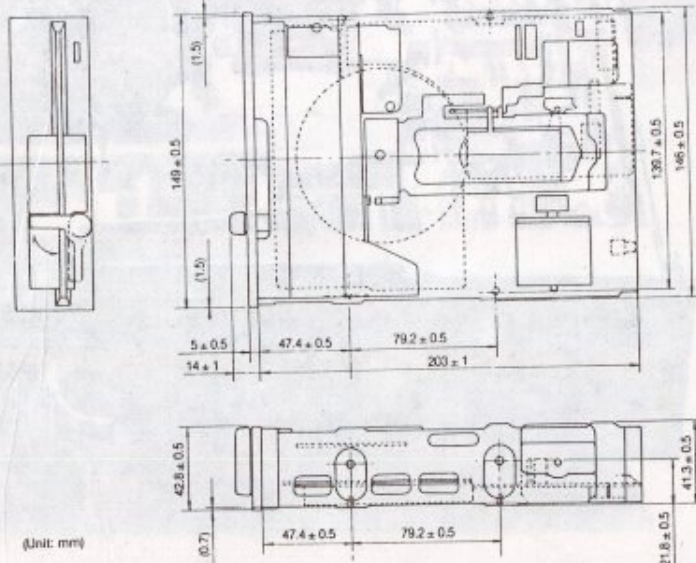
Safety Standard: Complying with UL and CSA

			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				360	

Features and specifications are subject to change without notice

*FD-55G: 15 sectors/track

Features and specifications are subject to change without notice.



(Unit: mm)

TEAC

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