Control Data® 869/871 Disk Packs

Business Products Group

Control Data 869 and 871 Disk Packs have identical character-istics, except for the number of sectors on the sector disk. Model 869 is designed for use on IBM 2314 Drives or equivalent; Model 871 is used on CDC® 841 Disk Drives.

These packs are made with a specially developed spin-coating process which ensures uniformity in disk coating thickness and surface finish. This process pro-vides excellent constant-amplitude characteristics and high-resolution performance. Great care is taken during manufacture to prevent mar-prone or dusty disk surfaces, out-of-round disks, and other imperfec-tions in the disk surface. The 869/871 Disk Packs are manufac-tured under strict quality-control conditions and are warranted to perform in accordance with Control Data's critical standards.

A durable plastic canister prevents foreign material from entering the pack assembly while in storage. Also, a replaceable filter provides a filtered-air environment for the recording heads and prevents intrusion of foreign particles.

Specifications

General

Number of Disks	11 recording, 1 protective cover, 1 sector disk (Model 869, index only on sector disk; Model 871, 14 sectors)
Number of Recording Surfaces	20
Recording Disks	
Outside Diameter	356 mm (14 in)
Thickness	1.27 mm (0.050 in)
Base Material	Aluminum
Data Storage	
Track Density	100 tracks/in
Bit Density	2200 bits/in
Total Capacity	29.2 K, 8-bit bytes
Read Error Acceptance Criteria	No read errors, Track 00000 No read errors at any home address At least 4000 tracks, including 60 alternate tracks
Oxide characteristics (in field of 1000 Oersteds)	
Coercivity (Hc)	285 to 305 Oersteds
Saturation (Bm)	3300 to 3500 Gauss
Remnance (Br)	1750 to 1900 Gauss

Environmental

	°C	°F
Operating Temperature	16 to 57	60 to 135
Nonoperating Temperature	–1 to 66	30 to 150
Humidity	8% to 80% RH	

Physical

Cover Diameter	274.65 mm (14.75 in)
Height	152.4 mm (6 in)
Weight (without covers)	6.36 kg (14 lb)
Operating Speed	2400 r/min

Specifications subject to change without notice