



PCC'S FD650 FLEXIBLE DISK DRIVE

For Low Cost Mass Storage, Depend on PCC's Flexible Disk Drives. We've got what you need for OEM applications. And what we've got will make you see double.

Like double density operation. Available in FM and MFM recording modes on a standard-size floppy.

And a double head. To allow recording on both sides on an 8-inch diskette.

We also offer some singular features: an electronic door lock that protects the media while in operation, a standard feature. Plus write protect and front panel LED, as standard features. Also a read/write head that assures complete compatibility with pre-formatted IBM Diskettes 2 and 2D; and equivalent media. And more. When recording in the MFM mode, you're provided with an immediately addressable unformatted storage capacity of 1.6

million bytes. And you can daisy chain up to eight FD650 drives.

But PCC didn't stop there. Our designers have thought of lots of ways to make our flexible disk drives doubly-attractive to you.

For instance, we didn't want you to worry about overseas voltage differences, so the FD650 is available with both ac and dc power supplies. We didn't want you to worry about spares and repairs, so the FD650 interface electronics have been reduced to a single PCBA. And we kept it light, using a die-cast aluminum base and molded bezel; only 13 pounds.

If you need more information, talk to your local PCC salesman. He'll tell you more about why our flexible disk drives are the best choice in low cost mass storage. Depend on it.

See reverse for specifications.

FD650 Flexible Disk Drive Specifications

Media	IBM Diskette 2 or 2D or equivalent
Tracks per inch	48
Number of tracks	154
Read/Write Track Width	0.305 mm (0.012 inch)
Physical	
Height	114.3 mm (4.5 inches)
Width	217.2 mm (8.55 inches)
Depth	355.6 mm (14 inches)
Weight	5.90 kg (13 pounds)
Environment	
Temperature Operating	10°C to 42°C (50°F to 110°F)
Non-operating	-40°C to 71°C (-40°F to 160°F)
Relative Humidity Operating	20% to 80%
Non-operating	5% to 95% (non-condensing)
Performance	
Seek Time	3 msec. track-to-track
Head Settling Time	15 msec. (last track addressed)
Head Loading Time	35 msec. (maximum)
Error Rate (Maximum)	1 per 10 ⁹ -recoverable, 1 per 10 ¹² -non-recoverable
Head Life	20,000 hours (normal use)
Media Life	3 x 10 ⁶ passes on a single track
Disk Speed	360 rpm ± 1.5%
Speed Variation	± 1.6% per Hz at 60 Hz ± 2% per Hz at 50 Hz
Start/Stop Time	2 ± 1 second (maximum)
Recording Parameters	
Transfer Rate	250K bits /second (single density)/ 500K bits/second (double density)
Recording Density	3408/6816 bpi (inside track, side 1)
Maximum Bytes per Disk ¹	800,000 (single density)/1.6 million (double density)
Maximum Bytes per Track ¹	5208 (single density)/10416 (double density)
Recording Mode	FM/MFM Single or double density
Power Requirements	+24 ± 1.2v dc at 1.2A (maximum), 0.85 amp typical +5 ± 0.25v dc at 1.0 A (maximum), 0.8 amp typical -5 ± 0.25v dc at 0.3A maximum 90 - 130v ac at 60Hz, Run Current: 0.48 amp (maximum), 0.43 amp nominal 190 - 250v ac at 50Hz, Run Current: 0.30 amp (maximum), 0.25 amp nominal 90 - 120v ac at 50 Hz, Run Current: 0.53 amp (maximum), 0.48 amp nominal

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