

FD-05 SERIES

1/2" Height 3.5" Micro Floppy Disk Drive

FD-05HF (1.0MB / 2.0MB)

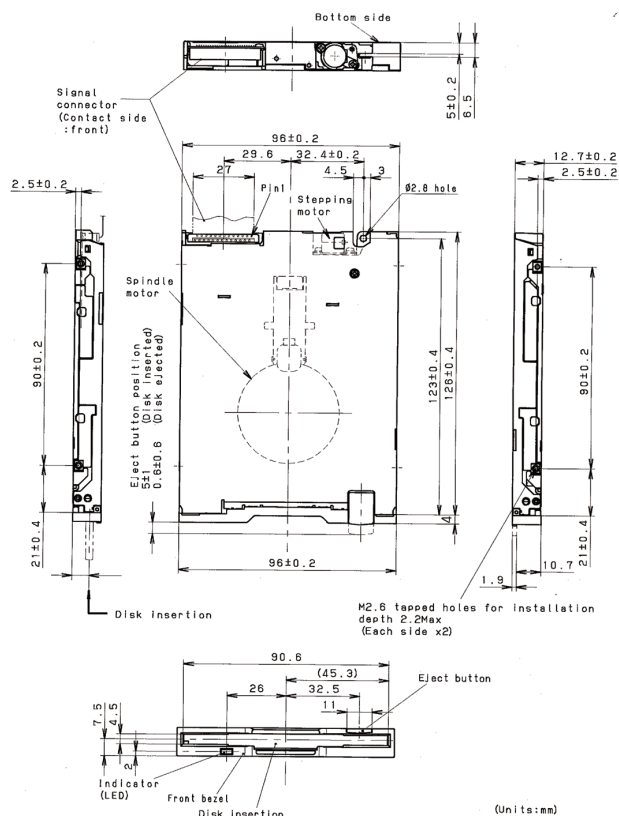
FD-05HG (1.0MB / 1.6MB / 2.0MB)

- Stand-by : 15mW, During read / write : 0.85W
- Super slim 1/2" height & light weight
- Aluminum die casting main frame

Recording Method	FM & MFM
Media	High density (2HD) or normal density (2DD) 3.5" micro floppy disks

	FD-05HF	FD-05HG
Unformatted Data Capacity (MB)	2 / 1	2 / 1.6 / 1
Data Transfer Rate(kbits)	500 / 250 / 125	500 / 250 / 125
Innermost Track Bit Density (dptmm)	686.38 / 343.19	686.38 / 571.97 / 43.19
Tracks/disk	160	
Track Density (tpi)	135	
Number of cylinders	80	
Average access time (msec.)	94 (Includes settling time : 5msec.)	
Track to track time (msec.)	3	
Settling time (msec.)	15	
Rotation Speed (rpm)	300	300 / 360

Interface	FDD Standard Interface
Motor Starting Time	480msec. or less
Average Latency Time	100msec. (1.44MB/720KB mode) , 83.3msec. (1.25MB mode)
Index	1/revolution , Detection interval 200msec.±1.5%(300rpm) , 166.7msec.±1.5%(360rpm)
MTTF	30,000 POH or more (for typical usage)
Error Rate	Soft read error : 10-9 bits or less Hard read error : 10-12 bits or less Seek error : 10-6 seeks or less
Safety Standards	Approved by UL , CSA , TÜV
Ambient Temperature	Operating : 4~51.7°C Non-operating : -22~60°C
Temperature Gradient	Operating : 20°C or less per hour (non-condensing) Non-operating : 30°C or less per hour (non-condensing)
Relative Humidity	Operating : 20~80% (non-condensing) Maximum wet-bulb temperature of 29.4°C Non-operating : 5~90% (non-condensing) Maximum wet-bulb temperature of 40°C
Vibration	Operating : 1.5G or less (10~100Hz,1oct/min. sweep rate) 1.0G or less (100~200Hz,1oct/min. sweep rate) 0.5G or less (200~600Hz,1oct/min. sweep rate) Transportation : 2G or less (10~100Hz,1/4oct/min. sweep rate)
Shock	Operating : Write & read : 5G (half-sine pulse,11msec.) or less Read only : 10G (half-sine pulse,11msec.) or less Soft errors are allowed if they are recoverable within three retries Transportation : 150G (single half-sine pulse,11msec.) or less
Power Requirements	DC+5V±10% Permissible ripple : 100mVp-p or less
Power Consumption	Standby : 15mW typ. During Read / Write : 0.85W typ.
Dimensions	96W×12.7H×126D mm
Mass(Weight)	157g typ.



(Units:mm)

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