3.5-Inch Floppy Drive MPF920 and MPF820

FEATURES AND BENEFITS

Sony Advantage

- 1.44 MB capacity in 1-inch drive height or slim drive format
- Reputable for the quality and reliability that PC manufacturers depend on to achieve maximum performance
- Customized colors available for front bezel and mounting rack, choose from white grey, black or pearl white

SPECIFICATIONS

PART NUMBER	MPF920	MPF820
DRIVER TYPE	Internal EIDE (ATAPI) Drive	Internal EIDE (ATAPI) Slim Drive
BURST TRANSFER RATE	500 kB/s for MFM (2 MB Mode) 250 kB/s for MFM (1 MB Mode)	500 kB/s for MFM (1.6/2 MB Mode) 250 kB/s for MFM (1 MB Mode)
ACCESS TIME	Track to Track Step Rate 3 ms Head Setting Time 15 ms max. Average Access Time 94 ms	Track to Track Step Rate 3 ms Head Setting Time 15 ms max. Average Access Time 94 ms
ROTATION SPEED	300 minimum RPM Continuous Speed Variation within +/-1.5% Instantaneous Speed Variation within +/- 3.0%	360 minimum RPM (1.6 MB) 300 minimum RPM (1/2 MB) Continuous Speed Variation within +/-1.5% Instantaneous Speed Variation within +/- 3.0%
MOTOR START TIME	500 ms max.	500 ms max.
ROTATIONAL LATENCY	100 ms average	83 ms average (1.6 MB), 100ms average (1/2 MB)
MTBF*	100,000 POH	300,000 POH
POWER REQUIEMENTS	Operation 1.5 W typical (Read/Write) Stand By 17 mW max. Supply Voltage +5.0 +/- 10% Max Ripple 0.1 Vpp Current 3 mA (Stand-by) 300 mA typical (Read/Write) 930 mA max. (MotoStart) 960 mA (Step during Motor Rotation)	Operation 1.1 W typical (Read/Write) Stand By 15 mW typ./28 mW max. Supply Voltage +5.0 +/- 10% Max Ripple 0.1 Vpp Current 3 mA average, 5 mA max. (Stand-by) 220 mA typical (Read/Write) 730 mA max. (Motor Start) 650 mA (3 msec continuous seek in Motor Rotation
TEMPERATURE	Operating 5° to 50° C (40° to 122° F) ambient Non Operating –40° to 60° C (–40° to 140° F) Humidity 8~80% (Operation) 5~95% (Transportation and Storage)	Operating 5° to 51.7° C (40° tp 125° F) ambient Non Operating –40° to 60° C (–40° to 140° F) Humidity 8~80% (Operation) 5~95% (Transportation and Storage)
ORIENTATION	Horizontal or Vertical	Horizontal or Vertical
WEIGHT	430 grams	161 grams
DIMENSION	1 x 4 x 5.7 inches (25.4 X 101.6 X 144.0 mm)	0.5 x 3.78 x 4.97 inches (12.7 X 96 X 126 mm) without front panel
WARRANTY	One year limited	One year limited
ACCESSORIES	Bezel and mounting rack available in white grey, black or pearl white color	Bezel and mounting rack available in white grey, black or pearl white color

*MTBF specification is average based on normal office environmental conditions. Actual experience may vary.

DRIVE CHARACTERISTICS



MODEL	CONFIGURATION
MPF920	Internal EIDE (ATAPI)
MPF820	Internal EIDE (ATAPI) Slim Drive

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