

SONY

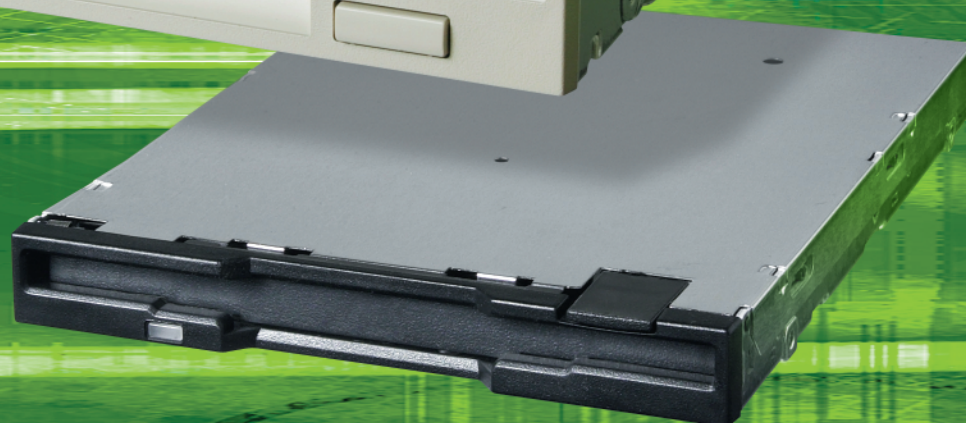
# 3.5-Inch Floppy Drive MPF920 and MPF820

1.44 MB Capacity

Available in 1-Inch Height and Slim Format



MPF920



MPF820

# 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 REQUIREMENTS	Operation	1.5 W typical (Read/Write)	Operation	1.1 W typical (Read/Write)
	Stand By	17 mW max.	Stand By	15 mW typ./28 mW max.
	Supply Voltage	+5.0 +/- 10%	Supply Voltage	+5.0 +/- 10%
	Max Ripple	0.1 Vpp	Max Ripple	0.1 Vpp
	Current	3 mA (Stand-by)	Current	3 mA average, 5 mA max. (Stand-by)
		300 mA typical (Read/Write)		220 mA typical (Read/Write)
		930 mA max. (MotorStart)		730 mA max. (Motor Start)
		960 mA (Step during Motor Rotation)		650 mA (3 msec continuous seek in Motor Rotation)
TEMPERATURE	Operating	5° to 50° C (40° to 122° F) ambient	Operating	5° to 51.7° C (40° to 125° F) ambient
	Non Operating	-40° to 60° C (-40° to 140° F)	Non Operating	-40° to 60° C (-40° to 140° F)
	Humidity	8~80% (Operation)	Humidity	8~80% (Operation)
		5~95% (Transportation and Storage)		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