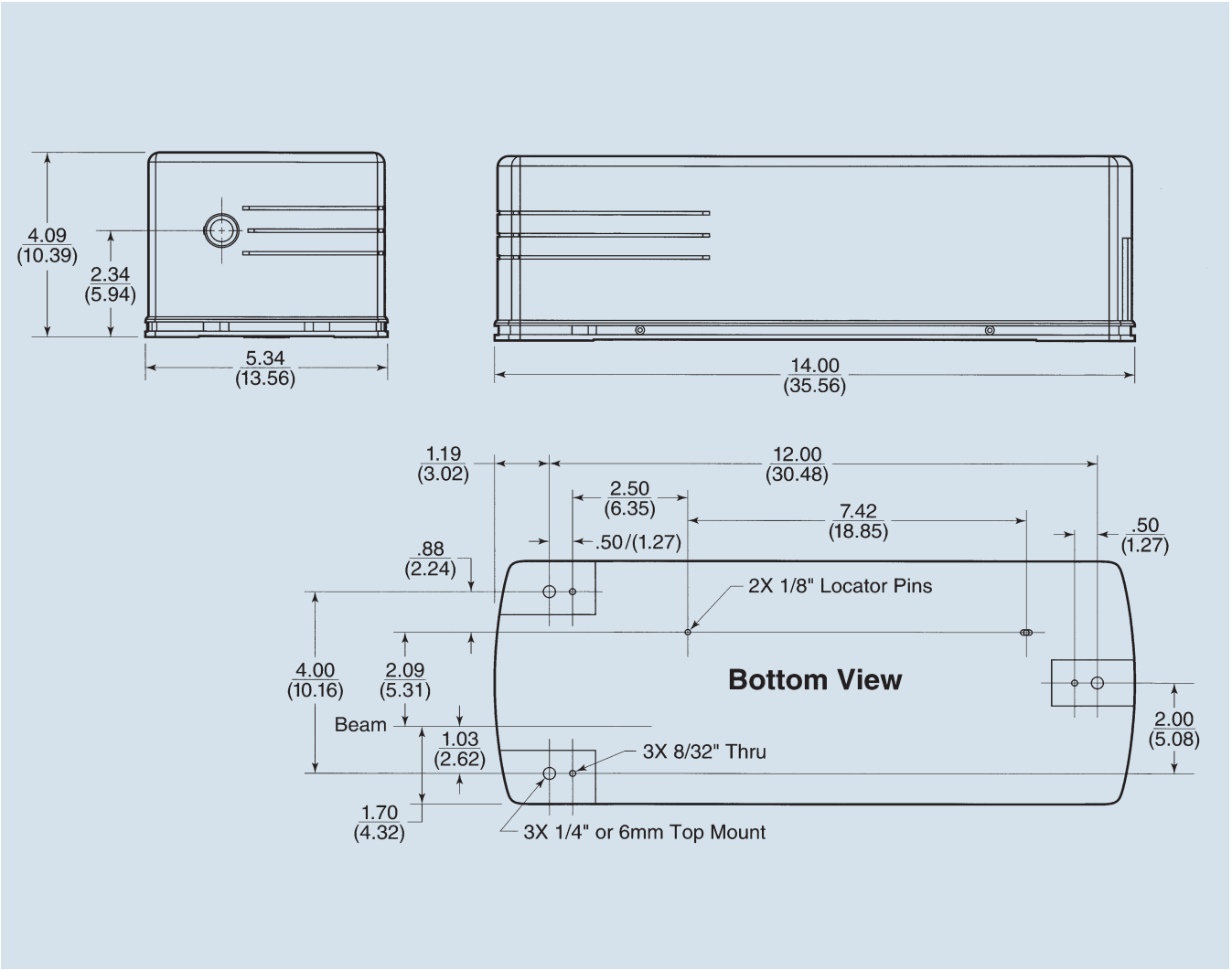
DIMENSIONS

Millennia® Pro *s* Series

J-Series Power Supply

Physical Characteristics	**2*s***	**5*s*, 6*s***	**8*s*, 10*s***
Size (H x W x L)	7.2 x 19.0 x 16.0 in (18.3 x 48.3 x 40.6 cm)	6.9 x 19.0 x 17.9 in (17.5 x 48.3 x 45.5 cm)	6.9 x 19.0 x 17.9 in (17.5 x 48.3 x 45.5 cm)
Weight	35 lb (15.9 kg)	55 lb (25 kg)	58 lb (26.4 kg)



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SPECIFICATIONS

Millennia® Pro *s* Series

Specifications

Output Characteristics	**2*s***	**5*s***	**6*s***	**8*s***	**10*s***
Power (cw)	> 2 W	> 5 W	> 6 W	> 8 W	> 10 W
Wavelength	532 nm	532 nm	532 nm	532 nm	532 nm
Spatial Mode [2]	TEM_{00}	TEM_{00}	TEM_{00}	TEM_{00}	TEM_{00}
Beam Diameter [3], at $1/e^2$ points	2.3 mm ± 10%	2.3 mm ± 10%	2.3 mm ± 10%	2.3 mm ± 10%	2.3 mm ± 10%
Beam Divergence [3], full angle	< 0.5 mrad	< 0.5 mrad	< 0.5 mrad	< 0.5 mrad	< 0.5 mrad
Polarization [4]	> 100:1, vertical	> 100:1, vertical	> 100:1, vertical	> 100:1, vertical	> 100:1, vertical
Power Stability [5]	± 1%	± 1%	± 1%	± 1%	± 1%
Beam Pointing Stability [6]	≤ 2 µrad/ °C	≤ 2 µrad/ °C	≤ 2 µrad/ °C	≤ 2 µrad/ °C	≤ 2 µrad/ °C
Noise [7]	< 0.04% rms	< 0.04% rms	< 0.04% rms	< 0.04% rms	< 0.04% rms
Boresight Tolerance	Nearfield ± 0.25 mm Farfield < 3 mrad				

Laser Head Physical Characteristics

Size (H x W x L)	4.1 x 5.3 x 14 in (10.4 x 13.5 x 35 cm)
Weight	22 lb (10 kg)
Umbilical Length	13.1 ft (4 m)
Remote Cable Length	8 ft (2.4 cm)

Millennia Pro *s* Power Requirements	**2*s***	**5*s*, 6*s***	**8*s*,10*s***
Voltage	110 Vac ± 10% / 220 Vac ± 10%	90 - 130Vac / 180 - 260 Vac	90 - 130Vac / 180 - 260 Vac
Current or Power	< 6 A / < 3 A	700 W Max / 275 W Typical	1100 W Max / 500 W Typical
Frequency	50 Hz / 60 Hz	50 Hz / 60 Hz	50 Hz / 60 Hz

Environmental Specifications

Ambient Temperature	18 °C to 35 °C
Relative Humidity	8-85% non-condensing

Cooling Requirements	**2*s***	**5*s*, 6*s***	**8*s*,10*s***
Laser Head	air-cooled	closed-loop chiller	closed-loop chiller
Power Supply	air-cooled	air-cooled	air-cooled

NOTES

1. Due to our continuous product improvement program, specifications are subject to change without notice.
2. $M^2 < 1.1$; beam ellipticity < 10%.
3. Measured at the exit port.
4. Vertical polarization standard; horizontal polarization available on request.
5. Measured over a 2-hour period, after a 15 minute warm-up.
6. Measured as far-field x and y positions, after a 30 minute warm-up.
7. Measured over a 10Hz to .1GHz bandwidth at the specified output power.

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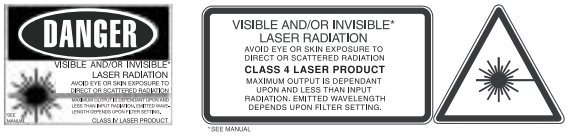

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