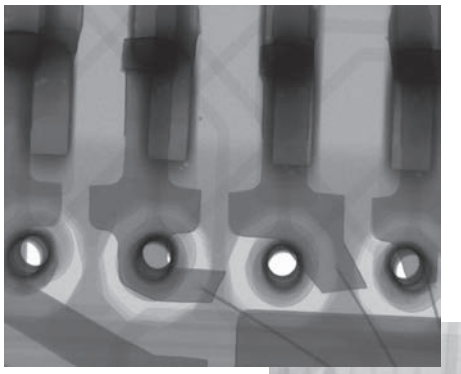
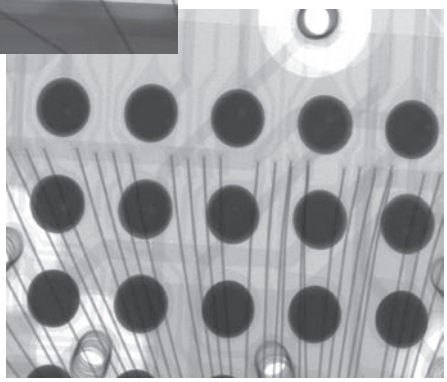
# CX30 MICROFOCUS X-RAY SOURCE





## BENEFITS

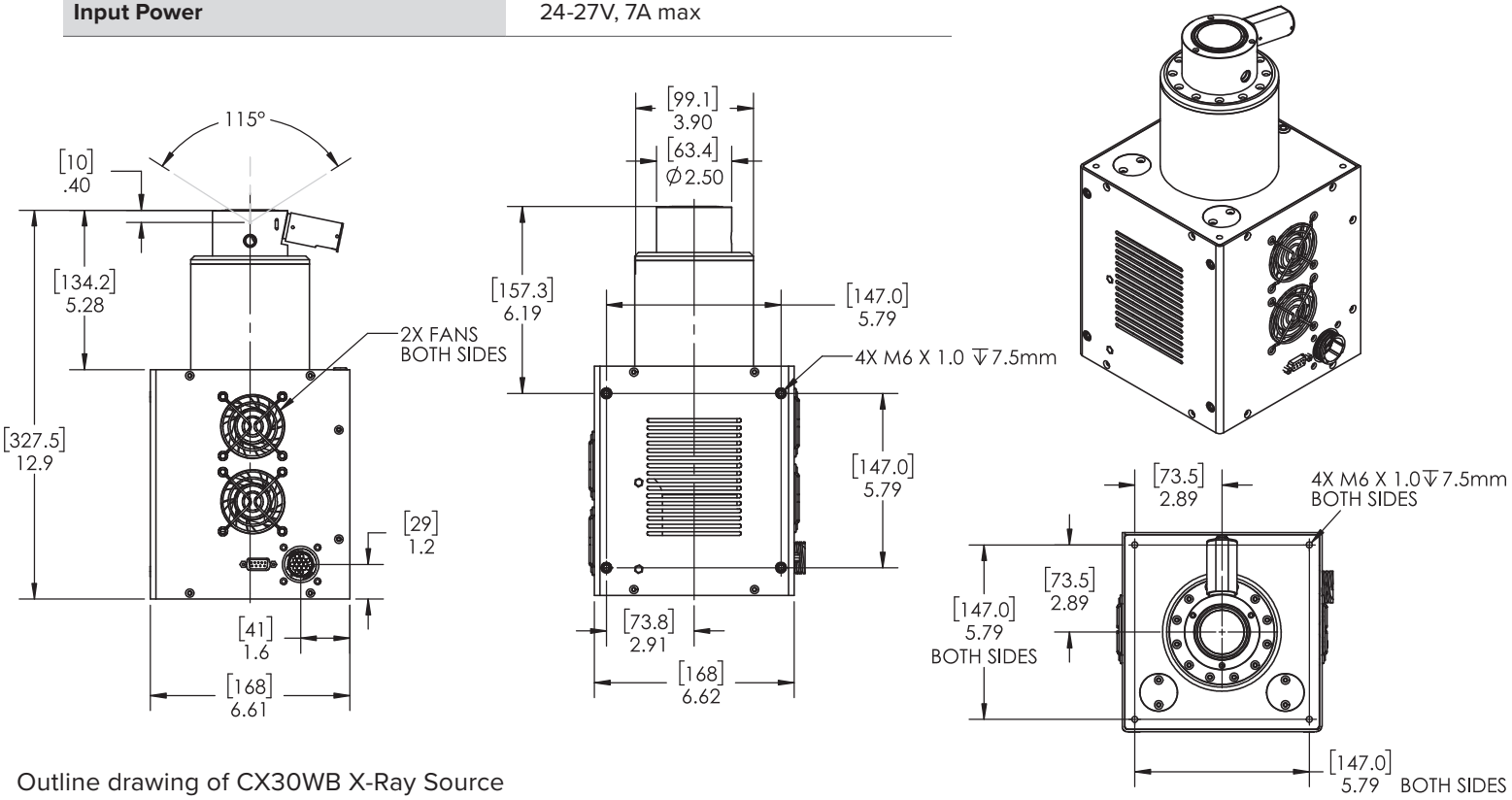
CX30 X-Ray sources offer many attractive benefits:

- High reliability design for in-line applications
- Highly stable spot position for CT and 3D
- Wide (115 degrees) round beam is especially suitable for automated inspection and off-angle views
- 10 mm spot to window spacing provides “best-in-class” high geometric magnification
- X-Ray tube, power supply, and control electronics in one compact package for easy system integration
- Auto-conditioning ramps source up slowly as required by the time the source has been off
- Digital interface allows user access to diagnostics and operating logs. Source can be operated with the supplied Windows® graphical user interface or using the included Product Interface Specification.

The CX30 series from Curpow, Inc. is a digitally controlled microfocus X-Ray source for use in high-resolution imaging applications. The small spot size and very high magnification, combined with stable high-intensity output, allow superior quality 2D and 3D images. The wide, uniform beam is especially suitable for automated inspection, where a large field of view is required for throughput. The X-Ray source combines the end window X-Ray tube, high- voltage power supply, and controller in one compact package powered from a 24 VDC source.

## SPECIFICATIONS

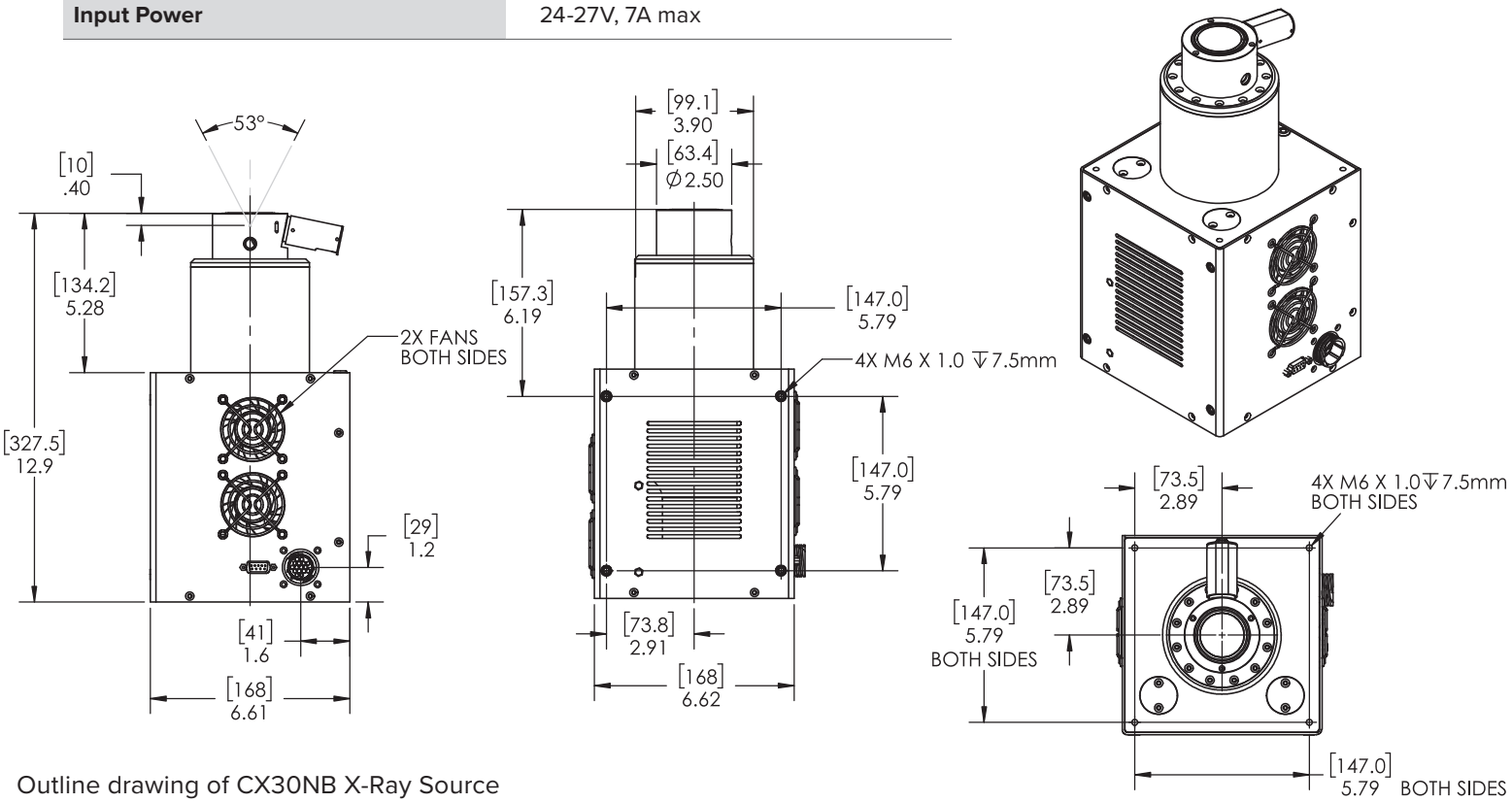
| CX30WB X-Ray Source | 16 Watt | 40 Watt |
|---|---|---|
| **Operating Voltage Range** | 50-130kV | 50-130kV |
| **Maximum Power** | 16 W, 50-130kV | 40 W, 80-130kV |
| **Maximum Beam Current** | 0.320 mA | 0.500 mA |
| **Spot Size:** 4 Watt | 7µ, 50-130kV | 8µ, 50-130kV |
| (typical) 8 Watt | 12µ, 50-130kV | 12-14µ, 50-130kV |
| 16 Watt | 21µ, 50-130kV | 22-24µ, 50-130kV |
| 32 Watt | | 48µ, 70-130kV |
| 40 Watt | | 60µ, 80-130kV |
| **Cone of Illumination** | 115°, round beam, uniform profile | |
| **Spot to Window Spacing** | 10 ± 0.5 mm | |
| **Window Diameter (uncollimated)** | Approximately 38 mm (1.5 in) | |
| **Window Material and Thickness** | Beryllium: 0.51 mm (.020 in) | |
| **Target Material** | Tungsten | |
| **Ambient Temperature and Humidity** | 0 to 32 °C, 0-95% RH, up to 5,000 feet | |
| **Method of Cooling** | Internal fan. Adequate air circulation around unit must be provided. | |
| **Weight (approximate)** | 8.6kg (19 lb) | |
| **Input Power** | 24-27V, 7A max | |




Outline drawing of CX30WB X-Ray Source

## SPECIFICATIONS

| CX30NB X-Ray Source | | 16 Watt | 40 Watt |
|---|---|---|---|
| **Operating Voltage Range** | | 50-130kV | 50-130kV |
| **Maximum Power** | | 16 W, 50-130kV | 40 W, 80-130kV |
| **Maximum Beam Current** | | 0.320 mA | 0.500 mA |
| **Spot Size:** | 4 Watt | 7µ, 50-130kV | 8µ, 50-130kV |
| (typical) | 8 Watt | 12µ, 50-130kV | 12-14µ, 50-130kV |
| | 16 Watt | 21µ, 50-130kV | 22-24µ, 50-130kV |
| | 32 Watt | | 48µ, 70-130kV |
| | 40 Watt | | 60µ, 80-130kV |
| **Cone of Illumination** | | 53°, round beam, uniform profile | |
| **Spot to Window Spacing** | | 10 ± 0.5 mm | |
| **Window Diameter (uncollimated)** | | Approximately 19 mm (.75 in) | |
| **Window Material and Thickness** | | Beryllium: 0.51 mm (.020 in) | |
| **Target Material** | | Tungsten | |
| **Ambient Temperature and Humidity** | | 0 to 32 °C, 0-95% RH, up to 5,000 feet | |
| **Method of Cooling** | | Internal fan. Adequate air circulation around unit must be provided. | |
| **Weight (approximate)** | | 8.6kg (19 lb) | |
| **Input Power** | | 24-27V, 7A max | |




Outline drawing of CX30NB X-Ray Source