

A O B L A S E R

# AOB 3000/3000-W

en | Data sheet | 1.2.2

- Double fiber core for different processes with just one laser
- Programmable beam profile for adjusting the BPP
- Developed for demanding laser cutting and welding



Wavelength	1080 nm	Fiber length	10 m <sup>[3]</sup>
Total output power Ø	6000 W	Cooling method	water
Central beam output power	3000 W	Cooling flowrate	50 l/min
Annular beam output power	3000 W	Cooling power	14 kW
Laser operation mode	CW, modulated	Aiming beam	Standard
Central beam parameter product	2.2 mm*mrad <sup>[1]</sup>	Output type	QBH
Annular beam parameter product	7.5 mm*mrad <sup>[1]</sup>	Supply voltage AC	380 V
Central fiber core diameter	50 µm <sup>[2]</sup>	Power consumption @ 20°C	20000 W
Outer ring fiber core diameter	150 µm	Operation temperature	10 – 40 °C
Modulation frequency	1 Hz - 5 kHz	Storage temperature	-10 – 60 °C
Power instability Ø	1%	Mechanical dimensions (W × D × H)	674 × 1120 × 797 mm
Power tuning range	10 – 100 %	Net weight	220 kg
Polarization	random		

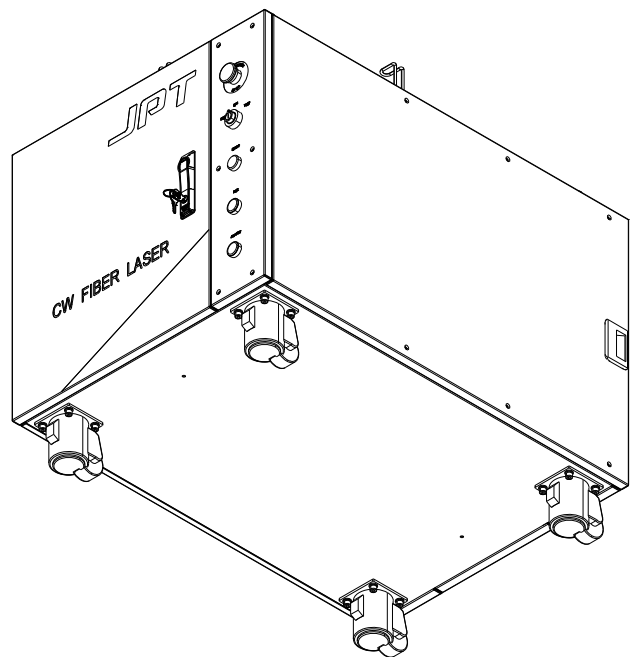
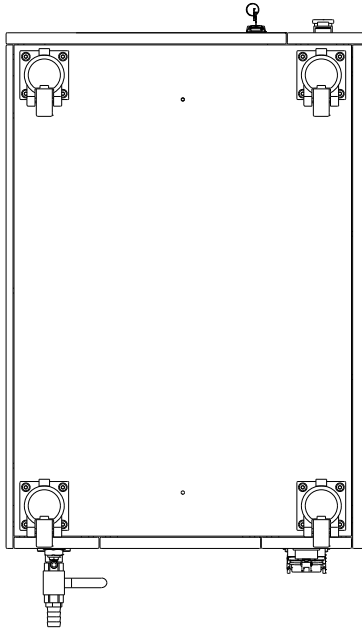
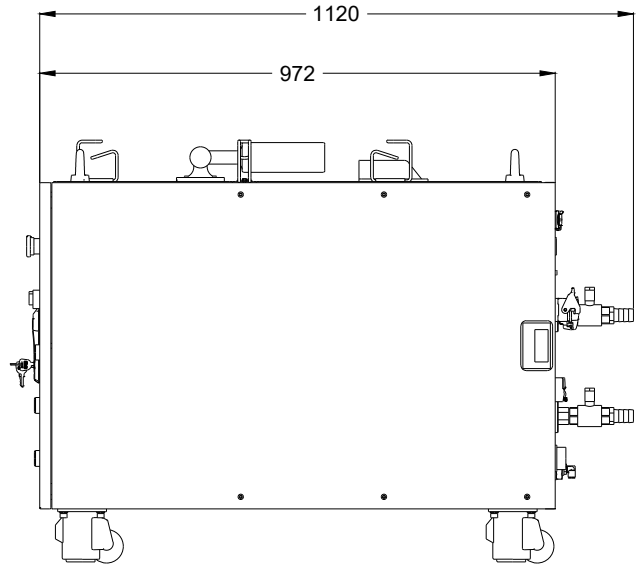
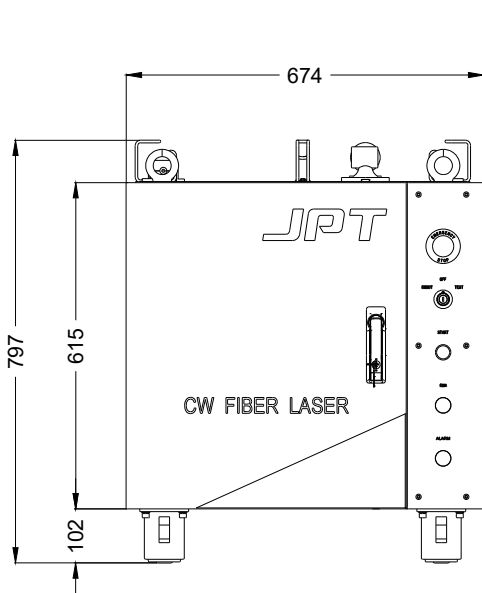
Product customizations are possible on request.

<sup>[1]</sup> Depends on Fiber Core Diameter and Fiber Length

<sup>[2]</sup> Other available fiber core diameter combinations: 102 µm / 300 µm; 100 µm / 300 µm

<sup>[3]</sup> Other available fiber lengths: 5 m / 15 m / 20 m





## JPT

Manufacturer

AOB laser

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Dimensions are given in millimeters and are intended as reference values.  
Binding information is available on request.

