

A O B L A S E R

AOB 2000/2000-W

en | Data sheet | 1.2.1

- 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	Polarization	Random
Total output power Ø	4000 W	Fiber length	10 m ^[3]
Central beam output power	2000 W	Cooling method	water
Annular beam output power	2000 W	Cooling flowrate	50 l/min
Laser operation mode	CW, modulated	Cooling power	21 kW
Central beam parameter product	1.5 mm*mrad ^[1]	Aiming beam	Standard
Annular beam parameter product	3.88 mm*mrad ^[1]	Output type	QBH
Central fiber core diameter	34 µm ^[2]	Supply voltage AC	380 V
Outer ring fiber core diameter	100 µm	Power consumption @ 20°C	13000 W
Modulation frequency	1 – 5 kHz	Operation temperature	0 – 40 °C
Power instability Ø	1%	Storage temperature	-10 – 50 °C
Power tuning range	0 – 100%	Mechanical dimensions (W × D × H)	674 × 975 × 762 mm
		Net weight	205 kg

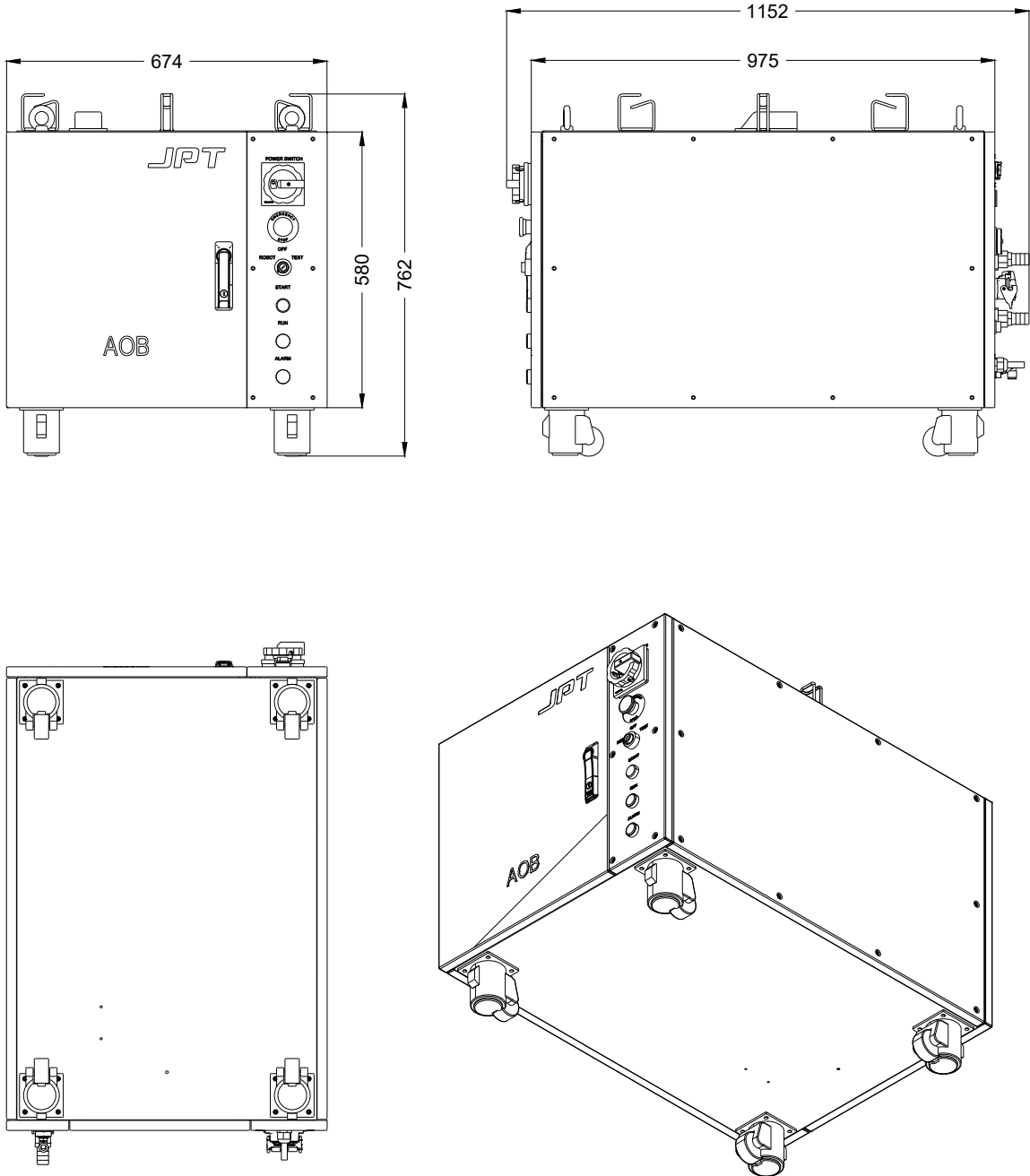
Product customizations are possible on request.

^[1] Depending on fiber core diameter and fiber length

^[2] Other available fiber core diameter combinations: 34 µm / 102 µm; 100 µm / 300µm

^[3] Other available fiber lengths: 5 m / 15 m / 30 m





Laser product
Class 4

JPT

Manufacturer

AOB laser

AOB 2000/2000-W

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

