

C W F I B E R L A S E R

# CW-12000MM-L-PLD

en | Data sheet | 1.0

- Ideal for precise Laser Cutting and Welding
- Excellent power stability and optical characteristics
- High safety standard due to Performance Level D



Wavelength	1080 nm	Cooling method	Water
Nominal output power (CW)	12000 W	Cooling flowrate	120 l/min
Laser operation mode	CW, modulated	Cooling power	28 kW
Beam parameter product (BPP)	1.5 mm*mrad <sup>[1]</sup>	Aiming beam	Standard
Fiber core diameter	50 µm <sup>[2]</sup>	Output type	QBH
Modulation frequency	1 Hz – 20 kHz	Supply voltage AC	380 V
Power instability Ø	2%	Current consumption	60.77 A
Power tuning range	10 – 100%	Power consumption @ 20°C	40 kW
Polarization	Random	Operation temperature	10 – 40 °C
Fiber length	15 m <sup>[3]</sup>	Storage temperature	-20 – 50 °C
		Mechanical dimensions (W × D × H)	1337 × 600 × 1072 mm
		Net weight	350 kg

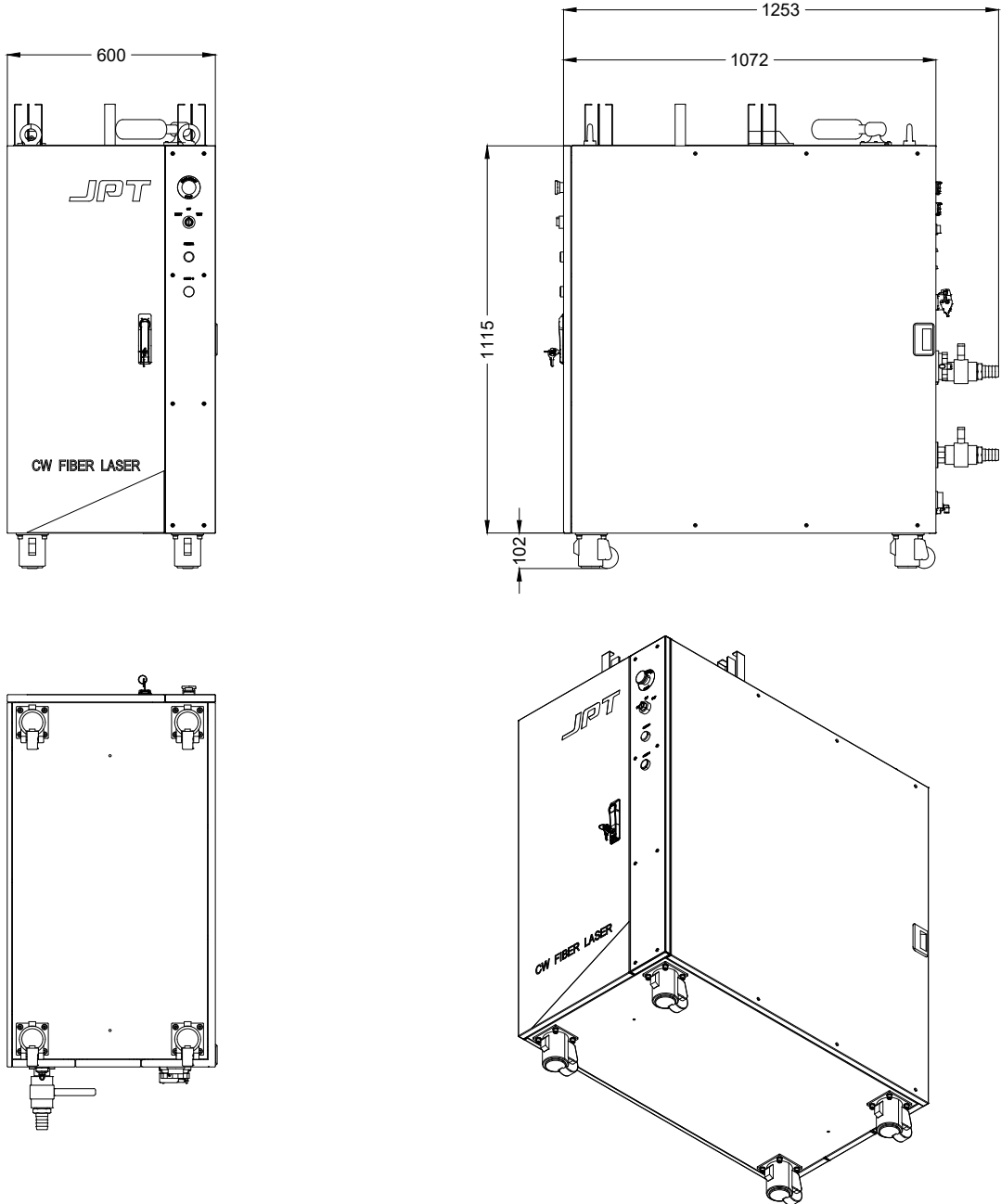
Product customizations are possible on request.

<sup>[1]</sup> Depending on fiber core diameter

<sup>[2]</sup> Other available fiber core diameters: 100 µm / 150 µm / 200 µm / 400 µm / 600 µm

<sup>[3]</sup> Other available fiber lengths: 5 m / 10 m / 20 m





Laser product  
Class 4

## JPT

Manufacturer

CW fiber laser

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

