

FIBER LASER

CL-300-15-A

en | Data sheet | 1.1.1

- Air-cooled MOPA fiber laser 300 Watt
- Maximum peak pulse power 120 kW
- Maximum pulse energy 15 mJ @ 500 ns
- Frequencies up to 4000 kHz
- Developed for cleaning and ablation



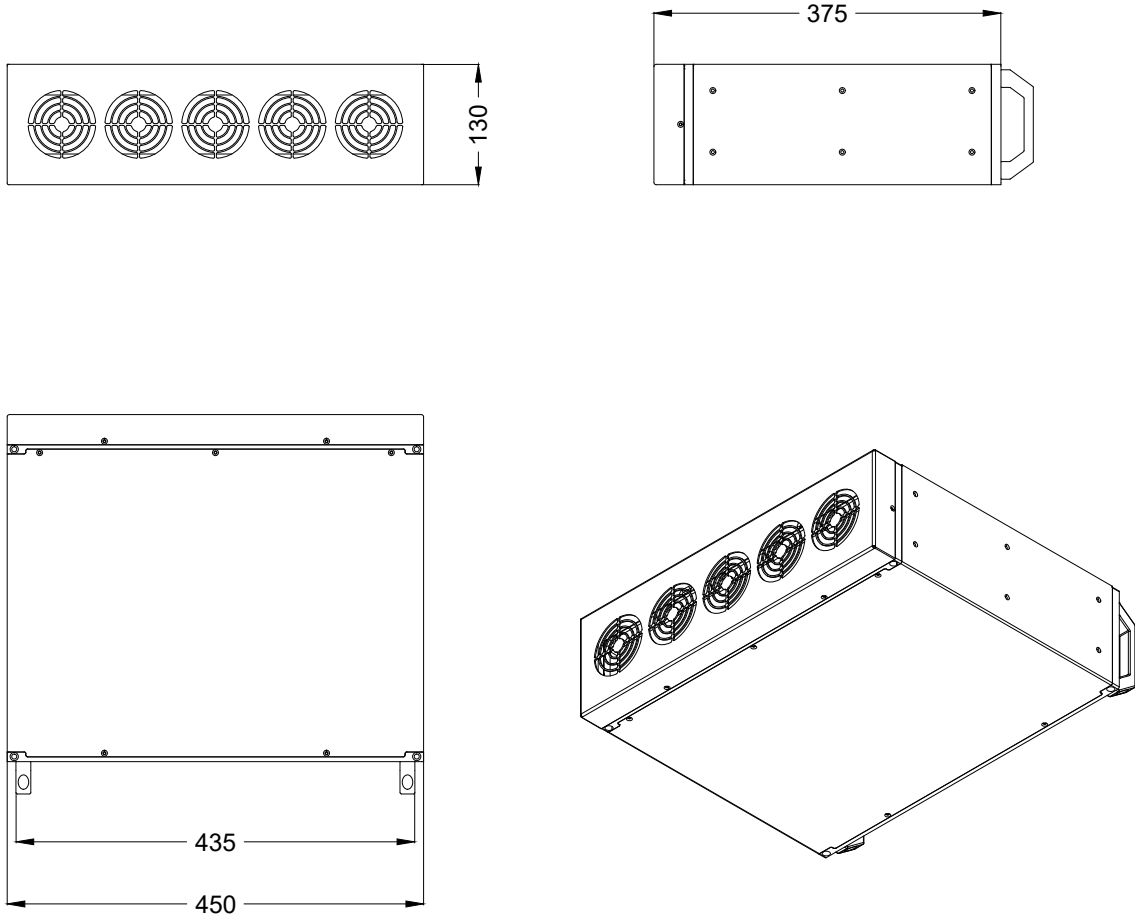
Wavelength	1064 nm	Beam diameter D4 σ	7 mm ^[1]
Nominal output power	300 W	Fiber length	5 m ^[2]
Laser operation mode	Pulsed	Cooling method	Air
Beam quality (\leq)	12 M ²	Aiming beam	Standard
Pulse frequency	1 – 4000 kHz	Adjustable pulse width	Yes
Full power frequency	20 – 4000 kHz	House keeping function	Standard
Max. peak pulse power	120 kW	Supply voltage DC	48 V
Pulse width	2 – 500 ns	Current consumption	25 A
Max. pulse energy	15 mJ @ 500 ns	Power consumption @ 20°C	1200 W
Power instability \emptyset	5%	Operation temperature	0 – 40 °C
Power tuning range	0 – 100%	Storage temperature	-10 – 60 °C
Polarization	Random	Mechanical dimensions (W x D x H)	450 x 130 x 375 mm
Anti-reflective coating	Standard	Net weight	25 kg

Product customizations are possible on request.

^[1] Other available beam diameters: 4 mm – 8.5 mm

^[2] Other available fiber lengths: 3 m / 7 m





Laser product
Class 4

JPT

Manufacturer

Fiber laser

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

