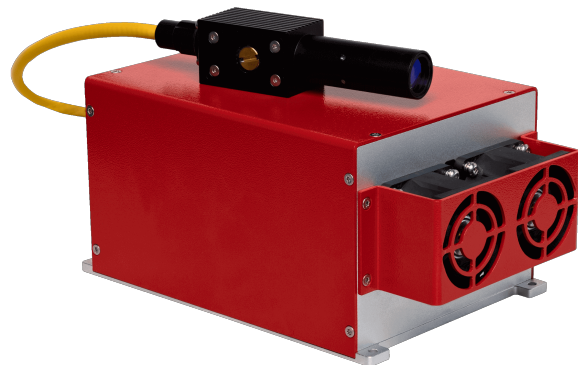


FIBER LASER

M7-30-E2

en | Data sheet | 1.1.2

- Extremely compact and lightweight MOPA fiber laser under 2kg
- Outstanding performance even for demanding applications
- Precise material processing due to adjustable pulse widths and high pulse frequencies

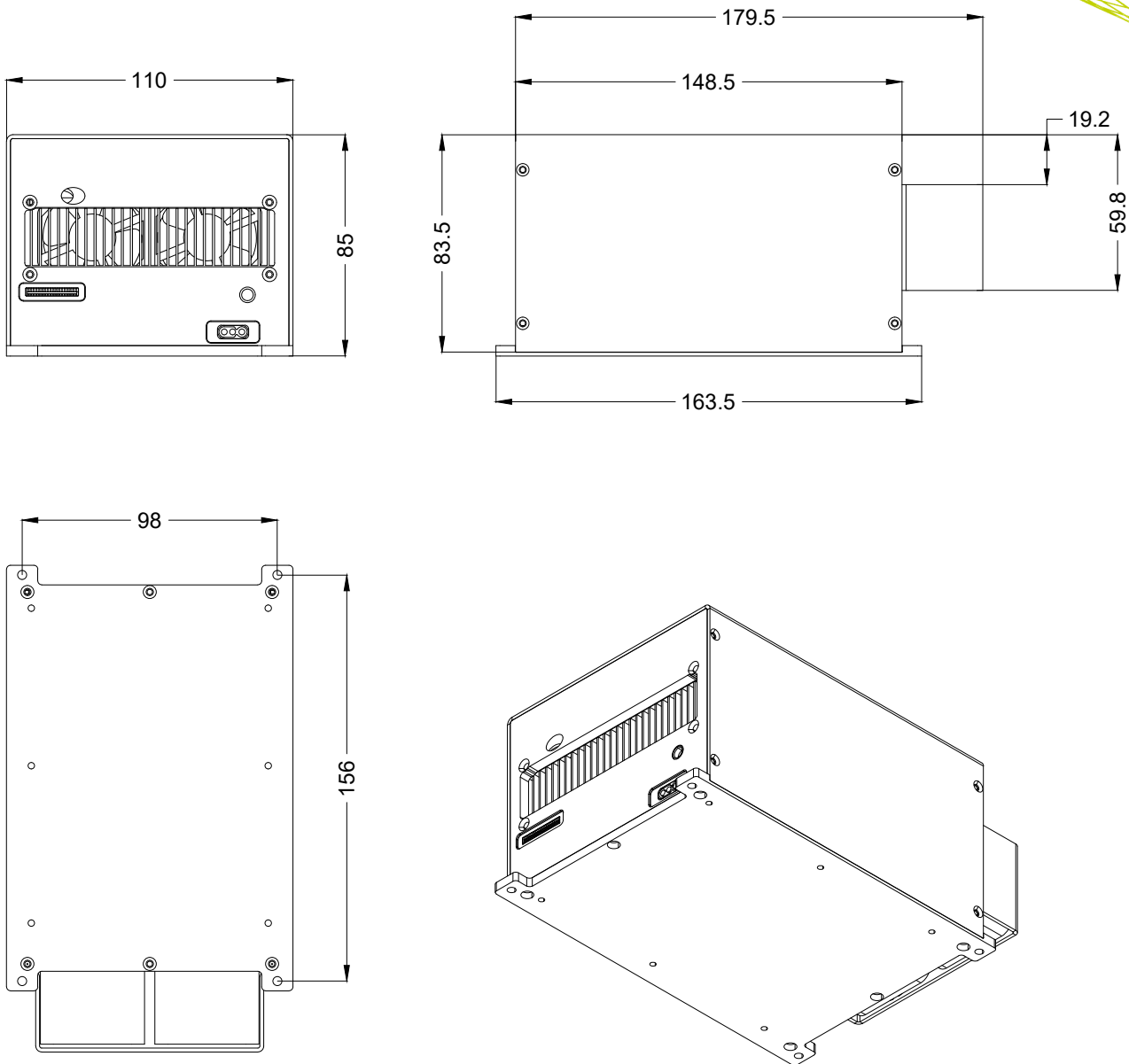


Wavelength	1064 nm	Beam diameter tolerance	1 mm
Nominal output power	30 W	Fiber length	2 m ^[2]
Laser operation mode	Pulsed	Typical lifetime diodes	80000 h
Beam quality (M ²)	1.4 M ²	Cooling method	Air
Pulse frequency	1 – 4000 kHz	Aiming beam	Standard
Full power frequency	30 – 4000 kHz	Adjustable pulse width	Yes
Max. peak pulse power	12 kW	House keeping function	Standard
Pulse width	2 – 500 ns	Output type	Collimator
Max. pulse energy	1 mJ @ 500 ns	Supply voltage DC	24 V
Max. pulse energy @ pulse width	500 ns	Input current	4.59 A
Power instability Ø	5%	Power consumption @ 20°C	110 W
Power tuning range	0 – 100%	Operation temperature	0 – 40 °C
Polarization	Random	Storage temperature	-10 – 60 °C
Anti-reflective coating	Standard	Mechanical dimensions (W × D × H)	110 × 188 × 85.5 mm
Beam diameter D4σ	7 mm ^[1]	Net weight	1.86 kg

^[1] Other available beam diameters: 10 mm

^[2] Other available fiber lengths: 3 m / 5 m





Laser product
Class 4

JPT

Manufacturer

Fiber laser

M7-30-E2

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

