Thunder Series Fiber Laser

CWX-12000



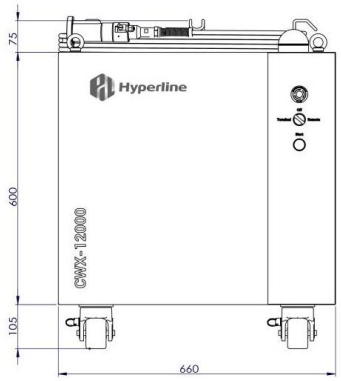
Features:

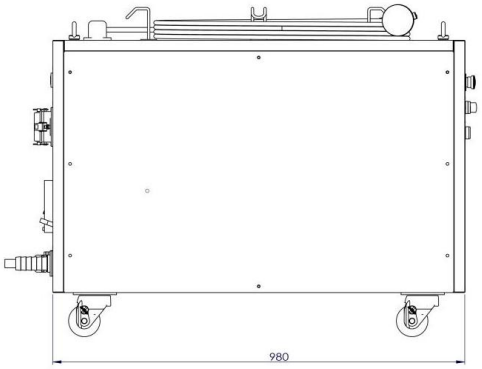
- Good beam quality
- Excellent power stability
- Excellent system reliability
- Easy-to-use control

Applications:

- Laser cutting
- Laser welding
- Additive Manufacturing
- Sheet metal processing

Package Dimensions (mm)





Hyperline Thunder series fiber lasers have good beam quality, which makes them perfect choices for precision processing. The two operation modes, CW and modulation, minimize heat-affected zone. Reliable performance, modular and all-fiber design, and robust case enclosing all optical and electronic components ensure that they can be used under strict industrial conditions.

Hyperline Thunder series fiber lasers can be used in wide application like precision processing, drilling, sheet metal processing, additive manufacturing, etc. The lasers can process various types of metal, including aluminum-based and nickel-based alloys, titanium alloys and alumina ceramics.

Hyperline professional laser application team, with good knowledge and experience, provides the best laser system solution for our customers all around the world.

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Specifications		Unit	Typical
Optical Data	Output Power	W	12000
	Wavelength	nm	1080±10
	Fiber Core Diameter	μm	100 or customized
	Fiber Length	m	30 or customized
	Fiber Connector	-	QF or QF-D
	Aiming Beam	-	Red
	Polarization	-	Random
	Power Stability（25℃）	-	＜3%（2h）
	Power Adjustment Scope	-	10-100%
Electrical Data	Operation Mode	-	CW or Modulation
	Max Modulation Frequency	kHz	5
	Power Supply	-	Three Phases, 380±20V, AC, PE, 50/60Hz
	Power Consumption	kW	40.0
	Control Interface	-	RS232/AD
Mechanical Data	Laser Size	mm	780H*660W*980D
	Laser Weight	kg	~130
Cooling Data	Min Water Cooling Capacity	kW	25.0
	Temperature	℃	Laser 22℃, QF/QF-D 30℃
	Cooling Tubes Size （I.D.）	mm	Φ32
	Cooling Water Flow Rate (Laser)	L/min	＞120
	Cooling Water Flow Rate (QBH)	L/min	3.0

Declaration : information and specifications contained herein are deemed to be reliable and accurate. Hyperline reserves the right to change, alter or modify the design and specifications of these products at any time without notice.26-07

