Ventus Series Air Cooling Fiber Laser

BFL-ACW10S-1



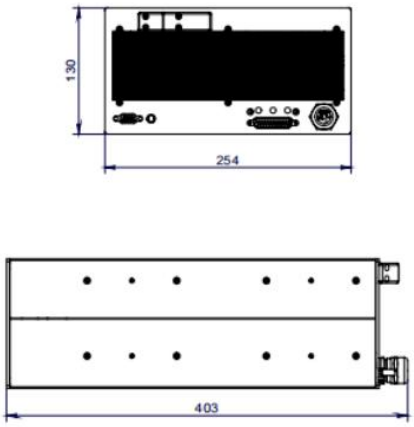
Features:

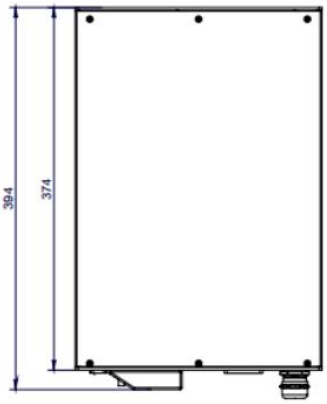
- Cost effective and maintenance free
- Excellent power stability
- Excellent system reliability
- Easy-to-use control

Applications:

- Precision welding
- Handheld welding
- Sheet metal processing

Package Dimensions (mm)





Hyperline Ventus Series air cooling fiber lasers uses new heat dissipation method and powerful fans to achieve better stability. Simple appearance provides much design room for laser machine integration.

Air cooling fiber lasers have excellent beam quality, and the beam can be focused close to the diffraction limit, 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.

Air cooling fiber lasers can be used in wide application like precision processing, handheld welding, sheet metal processing, 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	800
	Wavelength	nm	1080±10
	Fiber Core Diameter	μm	14
	Fiber Length	m	8
	Fiber Connector	-	QBH or QCS
	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	-	Single Phase, 200-240V, AC, PE, 50/60Hz
	Power Consumption	kW	2.7
	Control Interface	-	RS232/AD
Mechanical Data	Laser Size	mm	130H*254W*374D
	Laser Weight	kg	10
	Power Supply Module Size	mm	41H*115W*325D
	Power Supply Module Weight	kg	3
Cooling Data	QBH / QCS Cooling Gas	-	N_2 or Ar
	QBH / QCS Gas Flow Rate	L/min	≥ 10
Operating Conditions	Operation Temperature	℃	-10~40
	Operation RH	-	≤90%
	Storage Temperature	℃	-20~60

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

