

RFL-C025H-CE

Raycus 2000W Single Module CW Fiber Laser Source for Handheld Welding

Data Sheet V1.0

Raycus's self-developed 2000W CW fiber lasers for handheld laser welding come with significant upgrades, featuring powerful output, high beam quality, compact size, lightweight design, laser intelligence connectivity, and excellent long-term consistency.



The handheld laser welding machine, integrated with Raycus's new generation laser, is suitable for industries such as kitchen appliances, door and window guardrails, stair elevators, stainless steel furniture, metal sheets, billboards, crafts, car repairs, and railway transportation. It is ideal for welding various metals such as carbon steel, stainless steel, and aluminum.

Product Features

- CE Certification
- Excellent Beam Quality
- QBH Connector Compatibility
- Compact Size for Easy Installation
- Maintenance Free Operation
- High Electron-optical Efficiency
- Convenient Control Interface
- High Frequency Modulation

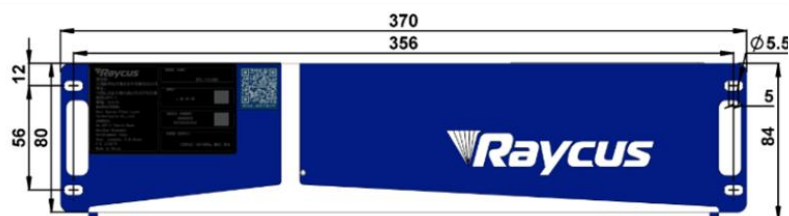
Product Applications

- ◆ Metal Welding
- ◆ Handheld Welding
- ◆ Metal Cutting

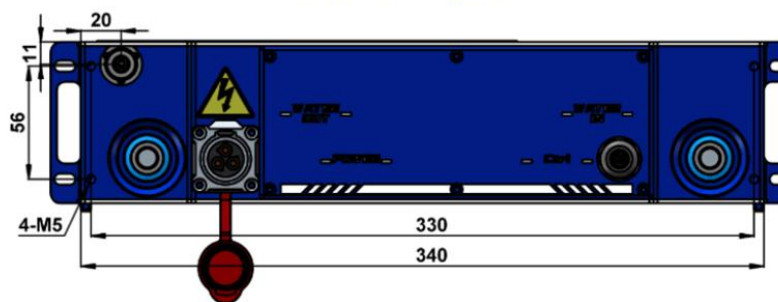
Technical Specifications

Central wavelength	1075-1085 nm	Supply voltage	220V \pm 10% V AC
Output power	2000 \pm 50 W	Operation mode	CW / Modulate
Power instability	\pm 1 %	Control mode	Control Line / Bluetooth
Range of power	2-100 %	Dimensions	340×390×80 mm
Repetition frequency	1-5000 Hz	Weight	<20kg
Beam quality	\leq 1.8 M ²	Operating temperature	10 - 40 °C
Terminal type	QBH (Customizable)	Storage temperature	-10 - 60 °C
Fiber length	10 m (Customizable)	Humidity	30~70 %
Fiber core	25 μ m (Customizable)	Cooling method	Water

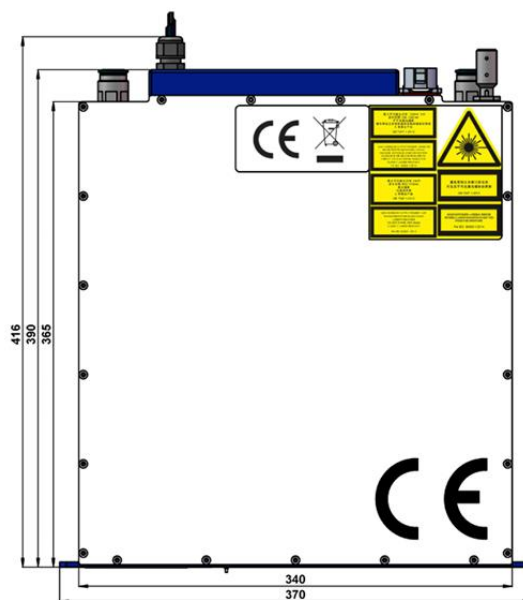
Product Dimensions



Front panel view (unit: mm)



Rear panel view (unit: mm)



Top panel view (unit: mm)