RFL-C40000M-HP

Raycus High Performance 40000W Multi Module CW Fiber Laser

Data Sheet V1.0

The Raycus HP series high performance CW fiber lasers are aimed at high-end industry worldwide market, with high stability, high safety standards, high redundancy, and high intelligence. At present, this series of lasers has been purchased and applied in bulk by many internationally well-known equipment integrators.

This highest power segment is designed for ultra-high power industrial applications, such as thick plate cutting, large-scale construction projects, and specialized industrial processes requiring maximum power and efficiency. For industries requiring the ultimate in laser power and performance, this segment provides unparalleled capabilities. It ensures efficient handling of the most challenging materials and processes, pushing the boundaries of what's possible in industrial laser applications.

Product Features

- CE Certification
- PLD certification
- Multiple Anti-high Reflection Mechanisms
- High Intelligent Monitoring Capability
- EtherCat / Profinet / Profibus / DeviceNet
- High Electron-optical Efficiency
- High Power Stability
- Better Performance in Industrial Applications

Product Applications

- Industrial Cutting
- Industrial Welding
- Scientific Research

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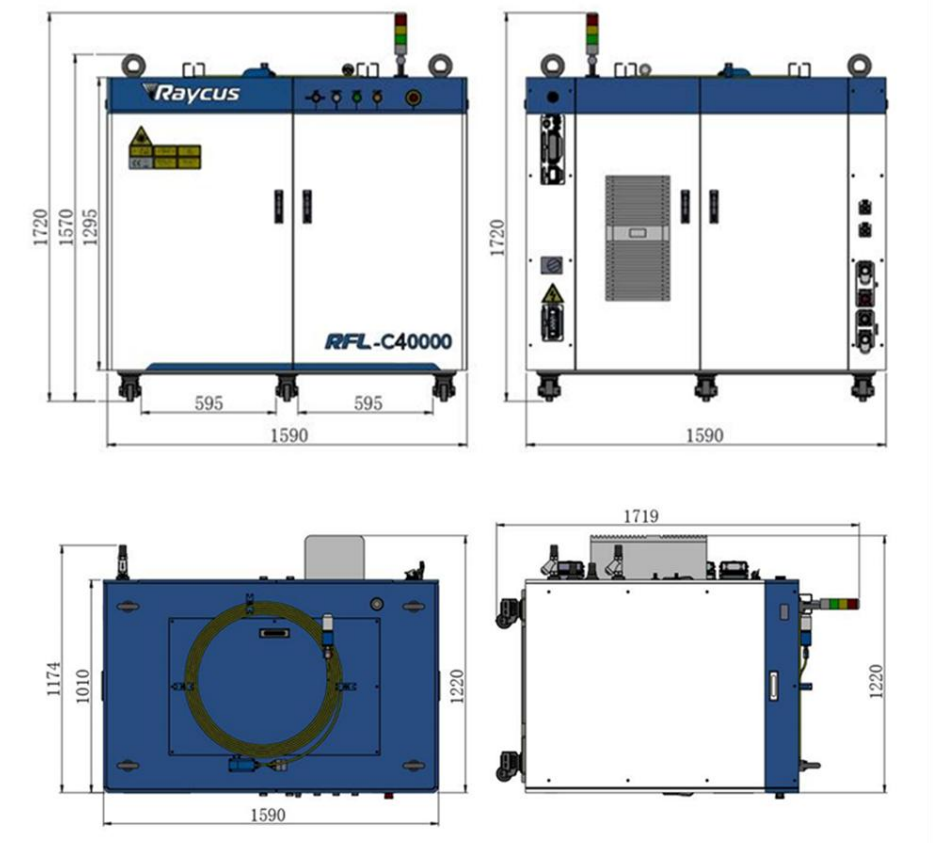
Technical Specifications

Central wavelength	1075-1085nm
Output power	40000 W
Power instability	±1 %
Range of power	10-100 %
Repetition frequency	50-2000 Hz
Beam quality	<4.3 BPP
Terminal type	QP (Customizable)
Fiber length	30 m (Customizable)
Fiber core	100 μm (Customizable)

Supply voltage	360~510 V AC
Operation mode	CW / Modulate
Control mode	BUS, Ethernet, RS232, AD
Dimensions	1590×1570×1220 mm
Weight	<1500 kg
Operating temperature	10 - 40 °C
Storage temperature	-10 - 60 °C
Humidity	30~70 %
Cooling method	Water

Product Dimensions



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